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- Elementary Education
- School Administration
- School Guidance Counseling
- Special Education

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- Educational Leadership

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- weekend classes
- accelerated programs
- practitioner faculty

Cambridge College is accredited by the New England Association of Schools and Colleges, Inc. (NEASC) and approved by the State Council of Higher Education for Virginia.

Cambridge, Massachusetts • Chesapeake, Virginia

for working adults

Applicants are responsible for reading the academic catalog and getting all the information needed to make informed decisions.

www.cambridgecollege.edu/chesapeake
757.424.0333
Problem: “Don’t waste your time re-inventing the wheel.” The above phrase is used to describe something when it functions perfectly for an intended purpose and there’s no point in finding another solution. However, learning to view a problem from all angles is an important skill for any field. Studying everyday objects and how they function is an excellent way to build this skill. Sometimes, the first solution or even the best solution is not the only solution that works. The passage of time has been represented in a number of different forms through the ages. There have been paper calendars, sundials, hourglasses, mechanical and electric devices, and even stone structures all dedicated to keeping track of time. Redesign the clock without using numbers or roman numerals. Feel free to represent as many increments of time as you would like, but please at least include hours and minutes. The clock can take any physical form you wish. The main objective is to find another system other than numbers to tell the passage of time.
The WHRO ThinkPlex™

Serving education through technology based products production, distribution and utilization with a particular emphasis on internet protocol based products and services

Leading Edge Instructional Resources

Digital Media On-demand (Discovery Education streaming™) – whro.unitedstreaming.com
Features over 4,000 Virginia Standards of Learning (SOL) correlated video titles that have been “segmented” into nearly 40,000 shorter content clips that can be searched in a variety of ways.

Digital Media On-demand (VideoClassroom™) – whro.videoclassroom.com
A complementary distribution system to Discovery Education streaming™ that is wholly owned by WHRO and seamlessly integrates with the PBS Digital Learning Library to bring additional high-quality content produced by public broadcasters nationwide to Virginia students and teachers.

WHRO Classroom – www.whro.org/classroom
Each year WHRO broadcasts over 200 hours of FREE SOL correlated instructional programs and offers associated on-site utilization workshops and ancillary support materials.

Cultural Portal – www.culturalportal.org
Features information on, and links to, hundreds of Virginia SOL correlated educational resources from dozens of museums, historic sites, and other cultural institutions across Hampton Roads.

Teacher Training

Virginia’s PBS TeacherLine®
Virginia’s PBS TeacherLine – www.virginiateacherline.org
High-quality online teacher training featuring 150 research-based courses at every grade level from PreK-12 in math, reading, technology integration, teaching strategies, science, and curriculum.

Other “Anytime Anywhere” Courses – whro.anytimeknowledge.com
High-quality online teacher training featuring courses specifically addressing Virginia SOLs.

Tech Trek & Tech Trek: The Next Generation
Weeklong residential technology “camps” where participants learn the latest educational technology and classroom integration techniques while focusing on state technology standards.

Local Video Productions: Netfiles, School Talk Monthly, Teaching NOW!
Award winning videos focused on the latest technology integration resources and techniques.

Student Services

WHRO Kids
Our 24/7 digital children’s channel airing on WHRO TV 15-3, Cox 108 and Charter 701.

Virtual Virginia Advanced Placement School – www.virtualvirginia.org
Offers online AP and foreign language courses to students across the commonwealth and nation.

Hampton Roads Virtual Learning Center – whro.hrvlc.org
A regional virtual school featuring regionally developed year-long courses in English 9, Government, Earth Science, and Survival Economics and a number of teacher professional development courses.

Reading Rainbow Young Writers & Illustrators Contest
Open to K-5 students, this contest encourages children to write and illustrate their own stories.
The Virginian-Pilot Spelling Bee LIVE On WHRO
An annual event featuring the middle school Spelling Bee winners from across the region in a head to head competition broadcast and streamed live on WHRO.

Great Computer Challenge
A competitive opportunity for K-12 students to demonstrate their computer utilization skills

Families

Ready To Learn
One of 20 PBS Kids Raising Readers stations in the nation currently working to use the power of media content to teach children key strategies and skills for reading success in targeted zip codes. Activities include Super Why Reading Camps, The Electric Company Outreach, PBS Kids Raising Readers Library Corner, and Martha Speaks Reading Buddies.

PBS Kids Island Website – http://pbskids.org/read
Working with Title I Schools to promote utilization of this interactive website that gives teachers and parents the ability to measure children’s literacy progress.

“Anytime Is Learning Time” Training For Parents
Helps parents in high need situations ((Head Start & Even Start) and military families develop skills they need to help their children learn to read.

Day Care Provider Training
Child Development and literacy training with take home toolkits for Social Service’s Family Day Home Providers.

Free Children’s Books Distribution
Parents and Day Care Providers who attend workshops receive free books for their children.

Adult Learners

GED Connection
Helps adults prepare to take the new GED test through 39 half-hour lessons covering every area of the test.

TV 411
Emmy award winning series focuses on parenting, money matters, and health

Opportunities for Recognition

Technology Teacher & Administrator Of The Year
Awards for outstanding teachers and administrators who are leading the way in technology integration

Geddy Award
Recognizes the regional public school most effectively integrating technology into the curriculum.
WHRO Classroom

The Commonwealth of Virginia makes WHRO’s K-12 Classroom Service possible. The Regional Schools Planning and Contracting Committee guide the Service.

You have the right to record (via DVD or videotape) and use any of the programs listed in this Guide in your classroom. You can also ask your Media Specialist to make the recordings. We schedule the majority of the series as Block Feeds. These Block Feeds occur overnight on Tuesday, Wednesday and Thursday from 2:00 a.m. – 4:00 a.m. The Block Feeds allow you to conveniently record an entire series as we broadcast the individual programs in a series back to back.

WHRO premieres eight new series this year:

ELEMENTARY SCHOOL SERIES
Citizens Rule: How We Elect a President
Standing Up For Freedom: The Civil Rights Movement in America

ELEMENTARY/MIDDLE SCHOOL SERIES
Eco Kids Explore

MIDDLE SCHOOL SERIES
Play It Safe —Strategies For A Safe School Environment

MIDDLE/HIGH SCHOOL SERIES
Green Careers
Making Digital Stories

HIGH SCHOOL SERIES
Drugged Driving
Taking Credit—Understanding Loans, Credit Cards & Other Debts

For you and your elementary students Monday through Friday we have an DAILY LITERACY BLOCK and DAILY STEM BLOCK. You can use these high quality highly researched PBS Children’s programs live in the classroom or recorded them for use as a different time.

DAILY LITERACY BLOCK
11:00 a.m. Between The Lions
11:30 a.m. Word World
12:00 a.m. Super Why!

DAILY STEM BLOCK
12:30 p.m. Sid The Science Kid
1:00 p.m. It’s A Big, Big World
1:30 p.m. Cyberchase

This Guide

This Guide includes program listings in the following order:

K-12 Classroom Programs and Series grouped by subject: Business & Careers, Drivers Ed, English, Financial Literacy, Fine Arts, Math Science, and Social Studies. These are followed by Adult Education, Parent/Early Care and Professional Development.

Each program listing includes the number of programs and the length of each program. Example: 4/15 minute programs - this means the series contains four programs that are each fifteen minutes in length.

SOL Correlations listed in this Guide include a letter code for the curriculum area, the grade, and the specific standard. Example: S 3.2 stands for Science, Third Grade, second standard. Key for curriculum areas: S - Science, E - English, M - Math, H - Social Sciences and History, T - Computers and Technology.

We continually update our on-line searchable database. Go to www.whro.org/classroom and click on SOL Program Search.

Rights are listed as AL, PD&D, L, and RR. We generally re-license series from year to year, so you can keep the programs on tape or DVD, until the title is listed as dropped in the Guide or you hear from your School Division Representative that rights have expired. Following is an overview of the types of taping rights listed in this guide.

Annual Lease (AL)- You can tape and use during the contract period covering this school year July 2008-June 2009. Duplicate copies can be made within the school building. You can air the program on school cable channels.

Perpetuity with Duplication & Distribution (PD&D)-You can record and use these programs in perpetuity. You can air the program on school cable channels. Duplicate copies of the original
Tape can be made and distributed in schools and by school division Media Centers.

**Limited (L)** - You can tape and use in the classroom. However, there are restrictions to this series / program. They may include: no duplication, no distribution, no multiple copies, no airing on cable channels, or eraser dates. Many LIVE programs carry this type of copyright, please catch them live because we cannot provide copies!

**Registration Required (RR)** - At this time only Colonial Williamsburg Live Electronic Field Trips require you to register to tape their field trips. You may use them LIVE at the time of broadcast without registering, but to tape them you **must** register.

Throughout the Guide you will find the WHRO logo under certain series’ titles. This logo indicates the series is or has been produced locally by WHRO.

**Frequently Asked Question...**

**How do I get the video when I need it?**

First, check with your own media center. Many school media centers have tape/DVD libraries. They may have the programs already on the shelves. If they don’t have the program you want, contact your School Division Representative. It may be available through one of the central media centers that serve as WHRO Classroom dubbing centers.

**TEACHERS CHOICE** is our open access service. WHRO has a direct link into all central school division media centers. Email us (angie.callahan@whro.org) and we’ll do our best to get you the video when you need it.

**Streaming & Digital Feed**

Teen Kids News will be broadcast on WHRO KIDS Monday, Wednesday, and Friday nights at 10:30 p.m. WHRO Kids is located at WHRO 15.3, Cox 108 and Charter 701. We will also provide a weekly streaming link at www.whro.org/classroom.

**No Longer Able To Broadcast**

Two popular series are no longer available for broadcast: **Reading Rainbow** and **Signing Time**. We have purchased retention rights for you to keep the Reading Rainbow copies you have on hand and have purchased digital rights. When WHRO’s VideoClassroom service launches you will be able to access Reading Rainbow shows there.

**Dropped Series**

We have dropped broadcast rights for the following series this year, please erase copies: **Beyond The Page**, **The Eddie Files**, **Exploring Healthy Choices**, **Real World Science**, **Working Together**, and **The Zula Patrol**.

We will not be broadcasting the following series and programs however you can retain any DVD or VHS copies you have made: **Art To Heart** Death Of A Whale, **I Heard That Listening To Classical Music, Ice Age Explores, In Our Own Words: Voice Of Virginia Indians, IPO: Investing Pays Off, Jefferson’s Poplar Forest, Lewis Latimer: Renaissance Man, Lyric Language, Man & The Great Dismal Swamp, Noble Desire, Peace Corps’ World Wise Schools Destination Series, Surviving Hatred: Witness To The Holocaust, Virginia’s Lewis & Clark: Roots Of A Legacy, and **Wilder: An American First**.

Let Your Voice Be Heard!

**Help Us Decide What New Titles To Purchase Next Year.**

December 1-3 we will broadcast previews of new series under consideration for next year. The broadcast schedule, facts sheets and evaluation form will be online at www.whro.org/classroom. We also stream the previews there as well. You can record the previews from the WHRO broadcast or simply go to www.whro.org/classroom and do the screening and evaluation online. All teachers participating receive a special thank you gift from WHRO.

**Weekly Schedules, SOL Correlations & Teen Kids News @ www.whro.org/classroom**
## 2009-2010 WHRO CLASSROOM SCHEDULE

Weekly Schedules with series links at http://www.whro.org/classroom

### 9/21 - 5/21

<table>
<thead>
<tr>
<th>Time</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:00-4:00 am</td>
<td>Block Feeds</td>
<td>Block Feeds</td>
<td>Block Feeds</td>
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</tr>
<tr>
<td>5:30 am</td>
<td>GED Connection</td>
<td>GED Connection</td>
<td>GED Connection</td>
<td>GED Connection</td>
<td>TV411</td>
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<tr>
<td>6:00 am</td>
<td>A Place Of Our Own</td>
<td>A Place Of Our Own</td>
<td>A Place Of Our Own</td>
<td>A Place Of Our Own</td>
<td>A Place Of Our Own</td>
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<tr>
<td>9:00 am</td>
<td>Super Why</td>
<td>Super Why</td>
<td>Super Why</td>
<td>Super Why</td>
<td>Super Why</td>
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<tr>
<td>9:30 am</td>
<td>Dinosaur Train</td>
<td>Dinosaur Train</td>
<td>Dinosaur Train</td>
<td>Dinosaur Train</td>
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<tr>
<td>10:00 am</td>
<td>Sesame Street</td>
<td>Sesame Street</td>
<td>Sesame Street</td>
<td>Sesame Street</td>
<td>Sesame Street</td>
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<tr>
<td>11:00 am</td>
<td>Between The Lions</td>
<td>Between The Lions</td>
<td>Between The Lions</td>
<td>Between The Lions</td>
<td>Between The Lions</td>
</tr>
<tr>
<td>11:30 am</td>
<td>Word World</td>
<td>Word World</td>
<td>Word World</td>
<td>Word World</td>
<td>Word World</td>
</tr>
<tr>
<td>12:00 pm</td>
<td>Super Why</td>
<td>Super Why</td>
<td>Super Why</td>
<td>Super Why</td>
<td>Super Why</td>
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<tr>
<td>12:30 pm</td>
<td>Sid The Science Kid</td>
<td>Sid The Science Kid</td>
<td>Sid The Science Kid</td>
<td>Sid The Science Kid</td>
<td>Sid The Science Kid</td>
</tr>
<tr>
<td>1:00 pm</td>
<td>It’s A Big, Big World</td>
<td>It’s A Big, Big World</td>
<td>It’s A Big, Big World</td>
<td>It’s A Big, Big World</td>
<td>It’s A Big, Big World</td>
</tr>
<tr>
<td>1:30 pm</td>
<td>Cyberchase</td>
<td>Cyberchase</td>
<td>Cyberchase</td>
<td>Cyberchase</td>
<td>Cyberchase</td>
</tr>
<tr>
<td>2:00 pm</td>
<td>Clifford</td>
<td>Clifford</td>
<td>Clifford</td>
<td>Clifford</td>
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</tbody>
</table>

### Sunday

<table>
<thead>
<tr>
<th>Time</th>
<th>Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:00 pm</td>
<td>School Talk Monthly</td>
</tr>
<tr>
<td>2:30 pm</td>
<td>Netfiles</td>
</tr>
<tr>
<td></td>
<td>Education News Parents Can Use</td>
</tr>
</tbody>
</table>
PREMIERING SERIES IN BOLD

**september**

9/22  Untold Stories From America's National Parks #1-5  2:00-3:15 a.m.

9/22  Make Digital Stories  3:15-3:45 a.m.

9/22  History Of Black Achievement In America: Obama  3:45-4:00 a.m.

9/23  Standing Up For Freedom #1-4  2:00-3:20 a.m.

9/23  Green Careers #1-2  3:20-4:00 a.m.

9/24  Green Careers #3-8  2:00-4:00 a.m.

9/29  Citizen's Rule #1-4  2:00-3:20 a.m.

9/29  Food In Space  3:40-4:00 a.m.

9/30  Taking Credit  2:00-2:30 a.m.

9/30  Drugged Driving  2:30-3:00 a.m.

9/30  Eco Kids #1-3  3:00-3:45 a.m.

9/30  History Of Black Achievement In America: Obama  3:45-4:00 a.m.

**october**

10/1  Untold Stories From America's National Parks #1-5  2:00-3:15 a.m.

10/1  Discovering Jamestown #1-5  3:15-3:50 a.m.

10/6  Turning Points In The Physical Sciences #1-4  2:00-4:00 a.m.

10/7  Turning Points In The Physical Sciences #5  2:00-2:30 a.m.

10/7  Eyes Of Nye #1-3  2:30-4:00 a.m.

10/8  Eyes Of Nye #4-7  2:00-4:00 a.m.

10/13  Eyes Of Nye #8-11  2:00-4:00 a.m.

10/14  Eyes Of Nye #12-13  2:00-3:00 a.m.

10/14  108 Stitches: The Physics In Baseball #1-4  3:00-3:30 a.m.

10/14  The Forest Files  3:30-4:00 a.m.

10/15  Global Warming: Science & Solutions #1-2  2:00-4:00 a.m.

10/20  It's The Write Time #1-8  2:00-4:00 a.m.

10/21  It's The Write Time #9-16  2:00-4:00 a.m.

10/22  It's The Write Time #17-20  2:00-3:00 a.m.

10/22  Into The Book #1-4  3:00-4:00 a.m.

10/27  Into The Book #5-9  2:00-3:15 a.m.

10/27  All Terrain Brain #1-25  3:15-3:50 a.m.

10/28  A History Of Black Achievement In America #1-4  2:00-4:00 a.m.

10/29  A History Of Black Achievement In America #5-8  2:00-4:00 a.m.

**november**

11/3  Becoming Successful In Middle School #1-6  2:00-4:00 a.m.

11/4  Real Character/Real People #1-4  2:00-4:00 a.m.

11/5  Real Character/Real People #5-7  2:00-3:30 a.m.

11/5  Reading Rocks  3:30-4:00 a.m.

11/10  Math Vantage: Patterns & Reasoning #1-8  2:00-4:00 a.m.

11/11  Math Vantage: Patterns & Reasoning #9-15  2:00-3:45 a.m.

11/11  History Of Black Achievement In America: Obama  3:45-4:00 a.m.

11/12  Math Vantage: Language of Math #1-4  2:00-3:00 a.m.

11/12  Math Vantage: Proportional Reasoning #1-4  3:00-4:00 a.m.

11/17  Geometry Journey #1-8  2:00-4:00 a.m.

11/18  Geometry Journey #9-14  2:00-3:30 a.m.

11/18  X Power! #1-2  3:30-4:00 a.m.

11/19  X Power! #3-10  2:00-4:00 a.m.

**december**

12/1  PREVIEWS  2:00-4:00 a.m.

12/2  PREVIEWS  2:00-4:00 a.m.

12/3  PREVIEWS  2:00-4:00 a.m.

12/8  Food In Space  2:00-2:20 a.m.

12/8  Food, Nutrition & Exercise #1-4  2:20-4:00 a.m.

12/9  Food, Nutrition & Exercise #5-7  2:00-3:15 a.m.

12/9  Facts Of Congress #1-30  3:15-4:00 a.m.

12/10  Character Education  2:00-3:30 a.m.

12/10  Classical Quest  3:30-4:00 a.m.

12/15  Dollars & Sense #1-2  2:00-4:00 a.m.

12/16  Dollars & Sense #3-4  2:00-4:00 a.m.

12/17  Dollars & Sense #5-6  2:00-4:00 a.m.

**january**

1/5  Bill Nye #1-4  2:00-4:00 a.m.

1/6  Bill Nye #5-8  2:00-4:00 a.m.

1/7  Bill Nye #9-12  2:00-4:00 a.m.

1/12  Bill Nye #13-16  2:00-4:00 a.m.

1/13  Bill Nye #17-20  2:00-4:00 a.m.

1/14  Bill Nye #21-24  2:00-4:00 a.m.

1/19  Bill Nye #25-28  2:00-4:00 a.m.

1/20  Bill Nye #29-30  2:00-3:30 a.m.

1/20  Biological Classification #1-6  3:00-4:00 a.m.

1/21  Biological Classification #7-20  2:00-4:00 a.m.

1/26  My America #1-6  2:00-4:00 a.m.

1/27  My America #7-12  2:00-4:00 a.m.

1/28  Early Americans In History #1-6  2:00-3:00 a.m.

1/28  Discovering Jamestown #1-5  3:00-3:35 a.m.

1/28  We The People  3:35-4:00 a.m.

**february**

2/2  America’s Special Days #1-8  2:00-4:00 a.m.

2/3  America’s Special Days #9-16  2:00-4:00 a.m.

2/4  Virginia Pathways #1-5  2:00-3:40 a.m.

2/4  Play It Safe  3:40-4:00 a.m.

2/9  Elementary Science Series #1-8  2:00-4:00 a.m.

2/10  Fundamentals of Chemistry #1-6  2:00-4:00 a.m.

2/11  Fundamentals of Chemistry #7-8  2:00-2:40 a.m.

2/11  Life In Aquatic Environments #1-2  2:40-4:00 a.m.

2/16  Street Skills #1-4  2:00-4:00 a.m.

2/17  DUI: It's A Crime #1-4  2:00-4:00 a.m.

2/18  Drugged Driving  2:00-2:30 a.m.

2/18  U.S. That's Us! #1-5  2:30-4:35 a.m.

2/18  Drugged Driving  2:00-4:00 a.m.

2/23  History Of Black Achievement In America: Obama  3:45-4:00 a.m.

2/23  Economics #1-5  2:00-3:25 a.m.

2/23  Advertising & Marketing #1  3:25-4:00 a.m.

2/24  Advertising & Marketing #2-5  2:00-3:40 a.m.
2/24 Food In Space 3:40-4:00 a.m.
2/25 Citizen’s Rule 2:00-3:20 a.m.
2/25 Taking Credit 3:20-3:50 a.m.

march
3/2 Untold Stories From America’s National Parks #1-5 2:00-3:15 a.m.
3/2 Make Digital Stories 3:15-3:45 a.m.
3/2 History Of Black Achievement In America: Obama 3:45-4:00 a.m.
3/3 Standing Up For Freedom #1-4 2:00-3:20 a.m.
3/3 Green Careers #1-2 3:20-4:00 a.m.
3/4 Green Careers #3-8 2:00-4:00 a.m.
3/9 Century #1-8 2:00-4:00 a.m.
3/10 Guerilla Guide To Politics #1-12 2:00-3:15 a.m.
3/10 Here & Then #1-30 3:15-4:00 a.m.
3/11 Gone But Not Forgotten #1-2 2:00-4:00 a.m.
3/16 Jamestown: Founding Of A Nation 2:00-2:30 a.m.
3/16 Civil War In Hampton Roads #1-2 2:30-4:00 a.m.
3/17 Church Street 2:00-2:30 a.m.
3/17 Civil War In Hampton Roads #3-4 2:30-4:00 a.m.
3/18 Norfolk 17 2:00-3:00 a.m.
3/18 Kingdom By The Sea 3:00-3:30 a.m.
3/18 The Forest Files 3:30-4:00 a.m.
3/23 Shaping The World #9 2:00-3:00 a.m.
3/24 Native Americans #1-5 2:00-3:40 a.m.
3/24 Play It Safe 3:40-4:00 a.m.
3/25 Ancient Egypt #1-5 2:00-3:15 a.m.
3/25 Snippets of Learning 3:15-3:45 a.m.

april
4/13 Green Careers #1-6 2:00-4:00 a.m.
4/14 Green Careers #7-8 2:00-2:40 a.m.
4/14 Eco Kids #1-3 2:40-3:25 a.m.
4/14 The Forest Files 3:25-4:00 a.m.
4/15 Global Warming: Science & Solutions #1-2 2:00-4:00 a.m.
4/20 Global Warming: Science & Solutions #1-2 2:00-4:00 a.m.
4/21 Green Careers #1-6 2:00-4:00 a.m.
4/22 Green Careers #7-8 2:00-2:40 a.m.
4/22 Eco Kids #1-3 2:40-3:25 a.m.
4/22 The Forest Files 3:25-4:00 a.m.
4/27 Story of Read-Alee-Deed #1-8 2:00-4:00 a.m.
4/28 Story of Read-Alee-Deed #9-16 2:00-4:00 a.m.
4/29 Math Monsters #1-8 2:00-4:00 a.m.

may
5/4 Math Monsters #9-12 2:00-3:00 a.m.
5/4 Kent State 3:00-4:00 a.m.
5/5 Shaping The World #1-2 2:00-4:00 a.m.
5/6 Shaping The World #3-4 2:00-4:00 a.m.
5/11 Shaping The World #5-6 2:00-4:00 a.m.
5/12 Shaping The World #7-8 2:00-4:00 a.m.
5/13 Shaping The World #9 2:00-3:00 a.m.
5/13 TEACHER’S CHOICE 3:00-4:00 a.m.
5/18 TEACHER’S CHOICE 2:00-4:00 a.m.
5/19 TEACHER’S CHOICE 2:00-4:00 a.m.
5/20 TEACHER’S CHOICE 2:00-4:00 a.m.

www.whro.org/classroom
BUSINESS & CAREERS

Advertising & Marketing
Grades 7-12, 5/25 minute programs, AL Rights
Tuesday, February 23, 3:25-4:00 a.m. #1
Wednesday, February 24, 2:00-3:40 a.m. #2-5

Advertising/Marketing is a combination of programs dealing with various aspects of the psychology of marketing and consumerism. The programs deal with impulse buying, store layout, advertising, and consumer behavior. In short, they tell us what to watch for, why we purchase what we purchase and how marketers attempt to channel and/or change our thought processes. The major goal of the series is to develop better and smarter consumers.

1.) That's Marketing
What is marketing and what tools does it use? The program defines segmentation, market research, packaging, variable pricing and positioning.

2.) Secrets Of Selling
This program takes viewers backstage to see how merchandising changes impulses into sales.

3.) Supermarket Persuasion: How Food Is Merchandised
A video tour through the world of consumer manipulation at the grocery store illustrates how grocers modify your shopping behavior.

4.) Why Ads Work: The Power Of Self-Deception
The most important words in advertising are the ones you don't see or hear. The program shows how to listen for these words and focus on what the ad really promises.

5.) Psycho-Sell: Ad Persuasion
This program explores scientific techniques advertisers use to influence buying decisions - timing, attention, psychographics, parity products, brand names and positioning.

All Terrain Brain
Grades 3-6, 25/1 minute programs, PD&D Rights, www.allterrainbrain.org
Tuesday, October 27, 3:15-3:50 a.m. #1-25

All Terrain Brain (ATB) is a multimedia project designed to get 8-12 year old kids to take their brains “off road” and tap into their entrepreneurial spirits. The project's components: 25 short videos, the interactive ATB web site, and the Team ATB Activity Guide, help kids discover they have the power to do whatever they want in life.

This ATB Educators page is loaded with resources to help your students develop the critical - and creative - thinking skills they need to get excited about opportunities and take control of their futures. With brain-twisting group activities, sing-able animated videos, and a series of badge-collecting web experiences, ATB inspires kids to discover passions, think creatively, take responsibility, embrace change, persevere, set goals, solve problems and dream big.

Career Day
PREMIERING SERIES
Grades 4-8, 2/30 minute programs, PD&D Rights, http://fcps.edu/fairfaxnetwork

The Career Day series supports efforts to increase student interest and performance in science, technology, engineering, and math (STEM). Career Day programs are designed to spark student interest in various STEM-related careers through virtual field trips into various days in the lives of our experts.

The series will tie in student exercises or experiments relevant to the topics in order to make the experiences more tangible for students. Career Day guests will give on-the-job examples of equipment or methodology used in their careers and talk about the STEM fields of study involved. Students will also be given information about the kinds of courses they would need to take in school if they were interested in pursuing careers in any of the fields.

Robotics
Wednesday, November 11, LIVE 1:00-1:30 p.m.

Digital Design
Wednesday, April 14, 1:00-1:30 p.m.
Green Careers

Grades 9-12, 8/22 minute programs, AL Rights
Wednesday, September 23, 3:20-4:00 a.m. #1-2
Thursday, September 24, 2:00-4:00 a.m. #3-8
Wednesday, March 3, 3:20-4:00 a.m. #1-2
Thursday, March 4, 2:00-4:00 a.m. #3-8
Tuesday, April 13, 2:00-4:00 a.m. #1-6
Wednesday, April 14, 2:00-2:40 a.m. #7-8
Wednesday, April 21, 2:00-4:00 a.m. #1-6
Thursday, April 22, 2:00-2:40 a.m. #7-8

The series, created by award-winning producer Michael Dieffenbach, covers eight new and growing industries that address the most challenging problems that today’s world faces. The series gives young people a behind-the-scenes look at what it’s like to work in a variety of jobs in each sector. In on-the-job profiles, we meet entrepreneurs, scientists, field biologists, engineers, managers and interns. Many of these professionals are young and are finding success in fields that are exciting and personally rewarding. The series provides information on the educational requirements for entering various fields. Young people are encouraged to take advantage of internships and part-time jobs to get hands-on experience while pursuing their studies.

Green careers are a high-demand job track for students from a wide range of academic disciplines and with a wide variety of interests. By becoming stewards of our environment, young people who choose a green career can help solve the greatest problems of our time while finding work that matches their personal interests and values.

1.) Building Green
2.) Recycling
3.) Sustainable Agriculture
4.) Water Management
5.) Hazardous Waste Management
6.) Clean Energy
7.) Environmental Justice
8.) Green Design

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Drugged Driving: The Road To Disaster

Grades 9-12, 1/25 minute program, AL Rights
Wednesday, September 30, 2:25-2:50 a.m.
Thursday, February 18, 2:00-2:25 a.m.

Intoxicated teen drivers are responsible for 18% of motor vehicle deaths each year. Alcohol abuse is a major factor, but teen drivers’ abuse of over-the-counter drugs, prescription drugs and marijuana is rising at an alarming rate. Teens are driving impaired and putting their lives and the lives of others at grave risk.

In this video, ER doctors and police investigators specially trained to recognize drug-impaired driving present a hard, on-the-scene look at how drugs impact driver alertness, reflexes and perception skills. A prosecutor specializing in DUI cases explains the legal consequences following a drugged driving crash.

Finally, a mother recreates the tragic story of how her daughter died in a drugged driving crash caused by marijuana smoking. Viewers get a comprehensive view of the devastating effects of drugged driving on teens, their families and their communities.

DUI: It’s A Crime!

Grades 7-12, 4/30 minute programs, AL Rights
Wednesday, February 17, 2:00-4:00 a.m. #1-4

DUI It’s A Crime! Chronicles the life of a young college student from the time he casually drinks a few beers at a party, through his arrest and incarceration for Driving Under the Influence (DUI).

1.) Alcohol & The Law
2.) The Criminal Trial
3.) Criminal Appeal & Civil Trial
4.) Serving Time

Street Skills

Grades 9-12, 4/26 minute programs, AL Rights
Tuesday, February 16, 2:00-4:00 a.m. #1-4

Street Skills takes teens on an exciting ride while teaching them to be safer, more responsible drivers. Each of the four episodes is a blend of documentary footage and scripted presentation. Along with experts, people who have suffered emotional and physical losses from vehicle crashes talk about their experiences.

1.) The Art Of Driving
2.) Nature’s Laws
3.) The Car
4.) The Road
Between The Lions
Grades prek-3, Daily/30 minute programs, L Rights, http://pbskids.org/lions
Monday-Friday, September 21-May 21, 11:00-11:30 a.m.
Pre-empted October 1 & 16, November 5 & 20, December 3 &18, February 19, March 4 & 26, May 6 & 21

Between The Lions, the award-winning PBS children’s series created specifically to improve literacy is built on a strong foundation of evidence-based research about how children learn to read. For students in grades K to 3, Between The Lions systematically addresses the five key areas of instruction in reading: Phonemic Awareness, Phonics, Fluency, Vocabulary, Text Comprehension.

According to a University of Kansas study students who watched outperformed students who didn’t by 4:1 (50% gains vs. 13%) on skills emphasized in the programs, such as: the ability to match letters with sounds (letter-sound correspondence); the awareness that words are made up of sound units (phonemic awareness); and understanding how print differs from pictures, tracks left to right, etc. (concepts of print).

Kindergarten students who watched outperformed students who didn’t watch in identifying letters of the alphabet (20% gains vs. 13%). In the critical skill of matching letters and sounds, kindergarten students who watched Between The Lions improved by 64%, compared to only 25% gains by similar students who didn’t watch. Learning was so accelerated that kindergarteners who watched the show exceeded the benchmark set for first-grade students. Kindergarten students who watched Between The Lions outperformed students who didn’t view on a standardized reading test (26% gains vs. 5%). Both kindergarten and first-grade students who watched had significantly accelerated rates of growth in the gateway skill of understanding that words are made up of units of sound.

Between The Lions follows a whole-part-whole approach to instruction in early literacy. This approach establishes a meaningful context for learning, and then guides kids to explore specific details such as text structure, individual words, and other print features. Knowledge becomes anchored and accessible, the skills make more sense, and young children understand why they need to practice them.

The whole-part-whole sequence begins with a story, poem, or other form of text that the Lion family reads together. Reading aloud to their children is the most important experience parents can provide to prepare preschoolers for success in school. The Lion family’s discussions about the featured stories, word meanings, and real-life connections show viewers how to foster language development and build background knowledge. Often, the read-aloud text is chock full of rhythm and rhyme—designed to trigger phonological awareness. Students can see the words of the text on screen, and a highlighting bar moves across to show that we read from top to bottom and left to right (book and print awareness).

After the read-aloud portion, a Key Word emerges from that text and is examined and compared to other words with similar spelling patterns. The letters and sounds in Key Words take center stage throughout a series of animated, live-action, and puppet-filled sketches. These skill-building segments deliver valuable information to preschoolers and beginning readers, preparing them for kindergarten and the five key areas of instruction in reading. Then the featured letters, sounds, and words are used in context again, by revisiting the original text or in a new example, such as a Cliff Hanger adventure or an easy-reader book read by Arty Smartypants.

Into The Book
Grades 1-3, 9/15 minute programs, AL Rights
Thursday, October 22, 3:00-4:00 a.m. #1-4
Tuesday, October 27, 2:00-3:15 a.m. #5-9

The nine Into the Book student episodes feature an extraordinary classroom where a group of ordinary students use powerful learning strategies to enter the world of the story. These 15-minute programs show student viewers how to use these strategies when reading fiction, nonfiction, or everyday text. They also model real-life applications of the strategies.

Each program focuses on a specific reading strategy and shows several different ways that learners use the strategy to increase their enjoyment and understanding of the text. Viewers even get into a student’s imagination for a clever insight into the strategy at work. A complete curriculum resource including interactive online components, teacher guide, and printable graphics are also available at http://reading.ecb.org/index.html.

1.) Using Prior Knowledge
2.) Making Connections
3.) Questioning
4.) Visualizing
5.) Inferring
6.) Summarizing
7.) Evaluating
8.) Synthesizing
9.) Using Strategies Together
It's The Write Time
Grades 2-3, 20/15 minute programs, AL Rights
Tuesday, October 20, 2:00-4:00 a.m. #1-8
Wednesday, October 21, 2:00-4:00 a.m. #9-16
Thursday, October 22, 2:00-3:00 a.m. #17-20

It’s The Write Time is an informative and entertaining handwriting series for those students starting to learn to write in cursive. The series augments classroom learning by adding a second teacher, Miss Lohse, who, through the magic of video and her animated sidekick, utilizes the time-proven Zaner-Bloser handwriting method to introduce students to the world of cursive writing. It’s The Write Time guides students as they begin their journey into the cursive alphabet.

1.) The Four Basic Strokes
2.) Lowercase i, t, u, w
3.) Lowercase e, l, b, Shape. Size. Spacing. Slant
4.) Lowercase f, h
5.) Lowercase k, r, s
6.) Lowercase j, p
7.) Lowercase a, d g
8.) Lowercase o, c, g,
9.) Lowercase n, m, y
10.) Lowercase x, v, z, Review Lowercase Letters
11.) Numbers 1 – 10
12.) Uppercase A, O, D
13.) Uppercase C, E, N, M
14.) Uppercase H, K, U, ?, !
15.) Uppercase Y, Z, V, W
16.) Uppercase X, I, J
17.) Uppercase Q, T, F
18.) Uppercase G, S, L
19.) Uppercase P, R, B
20.) Review Uppercase Letters

Make Digital Stories  *PREMERING SERIES*
Grades 8-10, 1/25 minute program, AL Rights
Tuesday, September 22, 3:15-3:45 a.m.
Tuesday, March 2, 3:15-3:45 a.m.

A digital story is a form of media that allows students to share their creative writing in a way that can be expressed through audio files, digital photos and imagery. It can be shared via email or downloadable link and can be stored safely on a CD, DVD, website, computer hard drive or other storage device. A perfect example of using multi-literacy in the classroom, creating a digital story is one of the ways in which technology is re-shaping the way students learn and relate to each other by allowing them to share their thoughts, ideas, images and music digitally with the world.

Meet The Authors  *LIVE PROGRAMS*
Grades 1-12, 4/30 minute programs, PD&D Rights,
http://fcps.edu/fairfaxnetwork

Meet The Author: Nancy Krulik
Thursday, October 8, LIVE 1:00-1:30 p.m.
For students in Grades 2-4.

Meet The Author: Doreen Rappaport
Wednesday, November 18, LIVE 1:00-1:30 p.m.
For students in Grades 2-5.

Meet The Author: Jackie Urbanovic
Wednesday, February 10, LIVE 1:00-1:30 p.m.
For students in Grades 1-3.

Meet The Author: Cokie Roberts
Wednesday, March 3, LIVE 1:00-1:30 p.m.
For students in Grades 9-12.

Reading Rocks!
Grades 1-5, 1/30 minute program, PD&D Rights,
http://www.readingrockets.org
Thursday, November 5, 3:30-4:00 a.m.

Set to a hip-hop soundtrack, Reading Rocks! uses wacky humor and stories of hope to encourage struggling readers to keep trying. Television and film stars Nick Spano and Vivica A. Fox add sparkle to this empowering, upbeat, and totally hip show.

Reading Rocks! features a kid author, a claymation movie, inspiring profiles, and silly moments with Spano. There’s an entertaining segment about some of the oddities of the English language and author/illustrator Christopher Myers (Wings and Harlem) in an elementary school visit where he uses his big feet to show children that being different is something to celebrate.

The Story Of Read-Alee-Deed-Alee
Grades K-2, 16/15 minute programs, PD & D Rights
Tuesday, April 27, 2:00-4:00 a.m. #1-8
Wednesday, April 28, 2:00-4:00 a.m. #9-16

Through fun sketches and songs The Story Of Read-Alee-Deed-Alee introduces children to the alphabet and to related sounds and rhyming patterns (“phonics”) that unlock words and the meaning of words. This series was developed in cooperation with and endorsed by the International Reading Association. E K.1, K.4, K.7, 1.4, 1.6, 1.10, 2.1, 3.1, 3.5, 3.6, 5.2.

1.) Can’t Stop The Pop (op/ip / P)
2.) A Ball In The Mall (all/ill / L)
3.) The Lost And Found (ound/out / f)
4.) Bake The Cake (ake/ike/oke / k)
5.) The Deep Sleep (eep/eet/eed / j)
6.) A Race In Space (ace/ate/ave / v)
7.) A Day On The Bay (ay/oy / y)
8.) Valentine: Be Mine (ine/ime / m)
9.) My Wet Pet (et/ed / D)
10.) A Balloon At Noon (oon/oool / h)
11.) The Cub In The Tub (lb/lit / t)
12.) More At The Core (ore/are / r)
13.) A Beard Of Cold Gold (old/ole / s)
14.) Dirt On My Shirt (irt/art / c)
15.) The Hot Dot (ot/it/at / r)
16.) In-Service: We Consult The Adult
Super WHY!
Grades preK-1, Daily/30 minute programs, L Rights, http://pbskids.org/superwhy
Monday-Friday, September 21-May 21, 9:00-9:30 a.m. & 12:00-12:30 p.m.

Super WHY gives children ages 3 to 6 the critical skills that they need to help them while learning to read. Each adventure begins in Storybook Village, a magical 3-D world hidden behind the bookshelves in a children's library. A group of familiar fairytale characters make up the cast of each episode, which begins with a young child relatable problem. All problems require social skills to resolve, and that's when Super WHY gets super-powered! The characters transform themselves into literacy-powered super heroes. They talk with other fictional characters, play reading games and activities to overcome obstacles, search for Super Letters, and practice such key skills as letter identification, word decoding, spelling, vocabulary, and comprehension. What's unique about this approach is that while kids are learning and practicing the ABC's of reading, they're also applying reasoning skills to see the story in a real-life context and experiencing books in a powerful new way. In a recent study conducted by the Annenberg Children's Media Lab, children viewing 20 episodes of Super WHY! were 24 percent faster at naming letters and 44 percent faster at naming sounds when compared to children in the control group. As the characters say on the show – Super Readers to the rescue!

Word World
Grades preK-1, Daily/30 minute programs, L Rights, http://pbskids.org/wordworld
Monday-Friday, September 21-May 21, 11:30 a.m.-12:00 p.m.

In WordWorld, words are truly the stars of the show as they come alive, save the day, and become a child's best friends. The world is inhabited by WordFriends—animals whose bodies spell out the name of the animal that they are. The WordFriends go on comic adventures and face challenges that can only be resolved with the right word.

The word is built letter by letter, sound by sound, until it is completed. Once the word is built, it comes alive! Word building reinforced the pre-reading concept that letters and their sounds make words, and that words have real meaning and power.

The series also introduces literary concepts that young children will encounter as they become readers, such as sounding out letters and rhyming. WordWorld helps children get excited about reading and see words as their friends.

Word World will be pre-empted October 1 & 16, November 5 & 20, December 3 & 18, February 19, March 4 & 26, May 6 & 21 so that we can bring the Kennedy Center Performing Arts Series to students in WHRO’s viewing area.

FINANCIAL LITERACY

Dollars & Sense: Personal Finances For The 21st Century
Grades 9-12, 6/60 minute programs, AL Rights
Tuesday, December 15, 2:00-4:00 a.m. #1-2
Wednesday, December 16, 2:00-4:00 a.m. #3-4
Thursday, December 17, 2:00-4:00 a.m. #5-6

This series provides a comprehensive overview of how to take control of your finances and make them work for you; providing the financial basics for everyone. Our series hosts introduce us to experts who share tips and facts on the variety of topics. These topics are also highlighted in short vignettes where we see real life examples of the problems and solutions. The 60-minute programs are broken into 4-5 modules making it easy to ‘pick and choose’ the topics that teachers would like to cover that are then more convenient for easier insertion into instruction.

Modules 1 & 2 include some basic economic principles, career strategies, planning tax strategies, banking services, and an introduction to consumer credit. Modules 3 & 4 explore transportation and housing costs and options, consumer purchasing strategies and the need for insuring your resources. Modules 5 & 6 provide an overview on investment strategies in stocks, bonds and mutual funds; and the value of planning for retirement; and fraud prevention.

1.) Planning Your Personal Finances
1. Your Personal Financial Plan
2. Basic Economic Principles
3. Personal Career Strategies
4. Money Management Strategies
5. Planning Your Personal Tax Strategy

2.) Managing Your Personal Finances
1. Banking Services Of Financial Institutions
2. Introduction To Consumer Credit
3. Choosing Sources Of Credit
4. Credit Problems
3.) Making Your Purchasing Decisions
   1. Legal Aspects Of Protecting Your Wealth
   2. Consumer Purchasing Strategies
   3. Costs of Transportation: Operating A Vehicle
   4. Costs of Transportation: Buying Or Leasing A Vehicle
   5. The Finances Of Housing

4.) Insuring Your Resources
   1. Personal Risk & Insurance
   2. Home & Auto Insurance
   3. Health & Disability Insurance
   4. Life Insurance

5.) Investing Your Resources
   1. Fundamentals of Investing
   2. Investing In Stock
   3. Investing In Bonds
   4. Investing In Mutual Funds

6.) Controlling Your Financial Future
   1. Retirement Planning
   2. Deception In The Marketplace: Business & Investment Fraud
   3. Deception In The Marketplace: Consumer Fraud
   4. Your Commitment To Your Financial Goals

Economics
Grades 4-6, 5/16 minute programs, PD & D Rights
Tuesday, February 23, 2:00-3:25 a.m. #1-5

Economics introduces students to the basic concepts of economics. The production, distribution, and consumption of goods and services lays a strong foundation for making wise choices in our increasingly economics driven future. Understanding economic concepts and principles has become increasingly important in preparing the student for negotiating the ever changing world of job, business, and life decisions. SOL Correlations: H 2.6, 3.7, 3.8.

1.) Resources
   H 1.9, 2.7, 3.9, 3.10, 7.7, 7.8

2.) Producing
   H K.5, 1.9, 1.10, 3.10

3.) Needs & Wants
   H K.6, 1.9, 1.10, 1.12, 2.7

4.) Consuming
   H K.6, 1.9, 1.10, 2.7, 2.8

5.) Money
   H K.6, 1.10, 1.12, 2.7, 2.8

Taking Credit: Understanding Loans, Credit Cards & Other Debts  "PREMERING SERIES"
Grades 9-12, 1/25 minute program, AL Rights
Wednesday, September 30, 2:00-2:25 a.m.
Thursday, February 25, 3:20-3:45 a.m.

Some people have a hard time qualifying for a loan, while others can walk into a bank empty-handed and leave with thousands of dollars in credit. The same goes for credit cards—although most consumers carry several, for an unfortunate few they are out of reach. But no matter how easy or difficult it is to borrow money, one thing is certain: paying it back is the real challenge.

This program helps high school and college-level viewers understand the basics of financial credit systems, the best ways to obtain and manage credit, and how credit decisions can influence one's future. Focusing on credit cards, car loans, student loans, and mortgages, the program offers lighthearted dramatizations that illustrate good and bad borrowing and spending habits and highlight discipline as the key to a great credit rating and sustained financial health.

Students will also encounter the four C's of lending—capacity, credit, capital, and collateral. An instructor’s guide is available online. The program correlates to all applicable National and State Educational Standards including the NCLB Act.

FINE ARTS

Classical Quest
Grades 9-12, 1/30 minute program, AL Rights
Thursday, December 10, 3:30-4:00 a.m.

Classical Quest is designed to encourage interest and exploration in fine music for students in middle school and high school. The Starling Chamber Orchestra, based at the University of Cincinnati, conveys the connection between historic masterpieces of music and those who pursue the joys of playing music today. The interplay of composers, the conductor, the players, their instruments and the audience is revealed. This program is designed to assist students in developing listening skills and in analyzing the compositional elements of this work. For the non-musician, the program introduces vocabulary terms and engaging musical concepts in a way that can be easily understood. For musicians, the program illustrates important issues of musicality and emphasizes how composers create contrast of tone colors, melody, and dynamics.

Kennedy Center Performing Arts Series  *NEW PROGRAMS*
Grades 3-12, 11/60:00, PD&D Rights, http://www.pwnet.org/perform.php
2009–2010 Season

Understanding Arab Music With Simon Shaheen
Thursday, October 1, 11:00 am – 12:00 pm

Western music is very connected to the rich history of Arab music. Many of our Western musical instruments are direct descendants of Arab stringed and reed instruments as well as the use of complex melodies and improvisation in performance. Master musician and composer Simon Shaheen, along with his ensemble Qantara, demonstrates the unique
sound and range of several Arab instruments, performs traditional Arab music with jazz and classical influences, and involves students in learning rhythms and patterns used most frequently in traditional/classical Arab music. Grades 5-8.

Telling Stories: Bryan Collier*
Friday, October 16, 11:00 am – 12:00 pm

Illustrator Bryan Collier started painting at the age of 15 in his hometown of Pocomoke, Maryland. The eastern shore served as the backdrop for many of his early works which included—the bay, marshlands, and wildlife. At an early age, Collier developed his own style of painting that incorporated water colors and collage. During this interview with moderator Maria Salvadore, Collier shares his interest in books as a young reader, how he integrates his original style of painting into children's books and his collaborations with authors such as Nikki Giovanni (Rosa) and Nikki Grimes (Barack Obama: Child of Promise.) Grades 4-6.

Theater: Frost/Nixon
Thursday, November 5, 11:00 am – 12:00 pm

Frost/Nixon is a chilling recount of one of the most monumental interviews of all time. The fast-paced production depicts former President Richard Nixon in his first interview since his resignation following the Watergate scandal. Frost/Nixon tells the story of how the historic interview came about and how it played out on television. In this program with Stacy Keach, Alan Cox, and Professor James Thurber, students get a look into the historic context surrounding this play, and see how history and theater come together to reveal not only the facts but the human and emotional aspects of history. Grades 7-12.

The Suzanne Farrell Ballet: Deconstructing Divertimento*
Friday, November 20, 11:00 am – 12:00 pm

Renowned ballerina and Balanchine collaborator Suzanne Farrell, along with her acclaimed ballet company, presents a performance and demonstration titled Deconstructing Divertimento. This program is designed to give students a unique vantage point as the company breaks down the choreographic theme and variations that define the classic 1956 Balanchine tutu ballet, Divertimento No. 15. Grades 7-12.

Waiting For Godot*
Thursday, December 3, 11:00 am – 12:00 pm

Two tramps meet by the roadside, and endlessly wait for someone—or something—named Godot. Samuel Beckett's most popular work masterfully examines the tedium and hope of human existence. Students experience "the closest production we will ever get to the perfect official Godot" (The Irish Times) in a discussion with director Walter Asmus and cast members Stephen Brennan, Barry McGovern, Johnny Murphy, and Alan Stanford, along with video excerpts of the production by Gate Theatre in Dublin. Grades 9-12.

Stefon Harris & Blackout*
Friday, December 18, 11:00 am – 12:00 pm

During this session, vibraphonist-composer Stefon Harris along with his band Blackout teaches students what to listen for in jazz. Heralded as "one of the most important young artists in jazz" (Los Angeles Times), Harris leads students through a series of listening exercises as the ensemble demonstrates their eclectic sound—a hybrid of acoustic music and progressive sounds. In this program, students develop a heightened awareness for jazz music while learning the art of active listening and how to interpret music. Grades 4-8.

Telling Stories: Lois Lowry
Thursday, February 4, 11:00 am – 12:00 pm

Two-time Newbery Medalist (Number the Stars and The Giver) Lois Lowry shares her inspiration for writing, the universal themes in her stories that deal with human connections—relationships between people and their impact on the world—and how she translates her ideas to the page. The award-winning author also discusses her versatility as a writer from her futuristic settings to her colorful characters and the stories they tell. Grades 4-8

Ella!*
Friday, February 19, 11:00 am – 12:00 pm

Celebrating the life and work of legendary jazz vocalist Ella Fitzgerald, Grammy® winner Dee Dee Bridgewater and Janis Siegel of The Manhattan Transfer pay tribute to the "First Lady of Song" in a program that includes some of the songstress's best-loved jazz hits. Supported by an ensemble from the Dizzy Gillespie™ All-Star Band, Ms. Bridgewater and Ms. Siegel show how Ella Fitzgerald has influenced singers of today, share film clips of this remarkable vocalist, and perform well-known favorites from Ella Fitzgerald’s repertoire. Grades 7-12.

Connections: MORE Science & Music*
Thursday, March 4, 11:00 am – 12:00 pm

Endangered species, synapses and neurons, condensation and precipitation—are these terms from a science course or a music class? In this fast-paced, multimedia performance by NSO cellist Yvonne Caruthers with her NSO colleagues Natasha Bogachek, violin, and Stephen Dumaine, tuba, students hear and see how a melody can be played on a laundry hose (or a tuba); how instrument makers are responding to the near-extinction of their favorite trees; and whether a violinist can break a world speed record...don’t miss it! Grades 5-7.

Limón Dance Company: The Traitor*
Friday, March 26, 11:00 am – 12:00 pm

Limón Dance Company returns to the Kennedy Center with The Traitor, one of modern dance’s most significant works of the 1950s. The Traitor was Limón’s response to the McCarthy hearings and the climate of betrayal that haunted the arts and entertainment fields during this period. Against Gunther Schuller's musical score of violence, passion, and tenderness, the tragedy of Judas and the theme of betrayal are portrayed in a detailed demonstration and explanation of
the dancers’ movements followed by the full-length performance of Limón’s signature piece. Grades 7-12.

Shen Wei Dance Arts*
Thursday, May 6, 11:00 am – 12:00 pm

Choreographer and Kennedy Center artist-in-residence Shen Wei and his dancers take students on a journey in Re- (I, II, III), a triptych inspired by his travels throughout Asia. Filled with dramatic imagery, movement, and traditional as well as recorded music, students experience Asia through the eyes of this visionary artist known for blending modern dance with elements from theater, visual arts, and opera. In this multimedia presentation moderated by Brett Egan, students experience the history and culture of Tibet, Angkor Wat, and Beijing through the choreography of Shen Wei. Grades 7-12.

Gospel Across America*  
Friday, May 21, 11:00 am – 12:00 pm

In a program that celebrates gospel music—from contemporary rising stars to established traditional artists—American gospel artists come together to perform on one stage. The Fisk Jubilee Singers are considered a landmark of Tennessee’s artistic heritage and are instrumental in preserving the musical tradition known today as Negro spirituals. Join the Fisk Jubilee Singers and other gospel artists participating in the Kennedy Center’s Gospel Across America Celebration as they share this rich culture with students during a performance of both contemporary and traditional songs that bring together the past and the present. Grades 9-12.

HEALTH & GUIDANCE

Becoming Successful In Middle School
Grades 5-9, 6/20 minute programs, AL Rights,  
http://www.hrmvideo.com  
Tuesday, November 3, 2:00-4:00 a.m. #1-6

This series is designed to help students confront many of the emotional and social changes that accompany early adolescence: understanding the emotional highs and lows of puberty, dealing with bullies, learning to assert oneself, mastering one’s emotions, coping with stress, engaging in conflict resolution, dealing with peer pressure and developing peer pressure refusal techniques, developing good study skills and time management, making good decisions, and learning effective communication skills.

1.) Caution: Teenager Under Construction  
This fast-paced program uses humor and appealing animations to introduce middle-schoolers to the many changes that accompany adolescence. Program goes beyond the physical manifestations of puberty and discusses the enormous emotional, social and developmental changes that occur. Likeable teen hosts reassure viewers of many normal aspects of early adolescence: changing relationships with friends, a new sense of independence from parents, unpredictable moments of emotional upheaval and distraction, and more. Students will understand and appreciate that there is no single “blueprint” for how a teen is built—what matters most is acceptance of self and others. The message is clear: adolescence is not a destination but an important milestone in a journey that lasts a lifetime.

2.) Becoming An Organized Student  
This video introduces four young teens who lack organizational skills: Ethan stays up late and can’t remember his test dates; Miranda has the messiest locker in school and misplaced homework; Lori is always late with projects and constantly loses her textbooks; and Paul may get kicked off the basketball team for consistent lateness. The pressures and expectations of school become daunting for students when their planners remain blank, homework is misplaced, previously-announced tests come as surprises, and important papers are crammed into backpacks. Program presents strategies for putting it all together, showing students how to organize for school success by using notebooks, color coding, day planners and wall calendars.

3.) Developing Self-Confidence  
Do you know students who talk about themselves in negative ways? Avoid putting themselves in situations where others could judge them? Always make excuses? Don’t feel they have anything special to offer? Very often, these students lack self-confidence. Using a series of dynamic vignettes and engaging animated cartoons, program examines the ins and outs of learning self confidence. By watching Carly, Ben, Alex and Maria, your students learn four key strategies for improving self-confidence and how to analyze their own behavior. The four strategies are: Stop Making Excuses, Take Reasonable Risks, Examine Your Fears, and Identify and Change Negative Self-Talk. Each strategy is carefully explained and dramatized in ways sure to inspire even the shyest middle-schooler.

4.) Power Trip Bullying  
This program explores middle school bullying from different perspectives that students will relate to and easily understand. Your students will hear from real teens who experienced bullying first hand as well as from students who have been the aggressors. Special attention is focused on understanding the different kinds of bullying and the differences between how girls and boys bully. Cheryl Dellasega, author of “Surviving Ophelia”, describes relational aggression which is typical of how girls bully. Students also experience a workshop led by Dr. Michael R. Carpenter, a bullying prevention trainer, who coaches young teens on how to modify behaviors to achieve peaceful outcomes. Other topics explored include the difference between bullying and teasing, when you should tell an adult about being bullied, what bystanders can do to prevent bullying and how bullied kids can “stand up, step up and speak out” to stop bullying.

5.) Connect The Dots: How School Skills Become Work Skills  
Students often ask why they need to learn things that seem irrelevant to their futures in the workplace. This program helps answer that question by exploring the connection between what one learns in school and what employees do.
at work. Looks at a group of five basic school-to-work skills: personal self-management; creative thinking, computer literacy, communications, and reading, writing, arithmetic (basic literacy skills). Explores how school skills contribute to a person’s ability to think critically and solve problems, and how mastering these skills in school help make for a successful career. Even though their careers may be a long way into the future, connecting the dots right now will give students perspective and help motivate them to tackle tough subjects.

6.) What Type of Person Am I? Personality & Careers
Based on research showing personality type as the key factor in successful career development, program helps young teens understand the six basic personality types as presented in the Holland Hexagon: Doer, Thinker, Creator, Helper, Persuader and Organizer. Teens begin to identify their interests and abilities, and see how their own personalities fit with the general types and connect to potential careers. Using real teen scenarios, viewers will learn how to identify what they’re good at doing, what their interests are, and how to translate this information into career choices. Students are reassured that all the personality types are equally worthwhile and only one of several factors affecting career satisfaction.

Character Education: Middle School
Grades 5-9, 6/24 minute programs, AL Rights
Thursday, December 10, 2:00-3:30 a.m. #1-6

This series focuses on the number one problem for middle schoolers: bullying and harassment. The programs help students develop the traits of good character that enable them to stand up for themselves and build healthy, successful relationships. Health 5.1, 5.5, 6.1, 6.3, 6.7, 7.1, 7.5, 8.1, 8.2, 8.5, 9.1.

1.) Gossipping, Taunting, Bullying: It's All Harassment
Young teens share their experiences coping with gossiping, taunting, and bullying, while an expert lends advice about to handle these difficult situations.

2.) Respect For Differences
Students learn what it feels like to be different from others, to see every person’s intrinsic worth and dignity and to demonstrate respect for others.

3.) How Not To Be a Victim: Preventing Violence
This program shows students how being assertive, developing a personal safety plan, and trusting their instincts can help them avoid victimization and stay safe.

4.) Talking About Responsibility
This program follows a group of friends as they face everyday situations and make choices that challenge their understanding of what it means to be responsible.

5.) Choosing Your Friends
This program helps middle schoolers, who desperately want to fit in with their peers, evaluate friendships and explore why they choose the friends they do.

6.) Stress: You Can Handle It
Students learn the skills to recognize stress and develop strategies to deal with it constructively.

Food, Nutrition & Exercise
Grades 7-12, 7/25 minute programs, AL Rights
Tuesday, December 8, 2:20-4:00 a.m. #1-4
Wednesday, December 9, 2:00-3:15 a.m. #5-7
This series addresses several important health issues for adolescents including overweight and under-exercised teenagers, serious eating disorders such as Anorexia Nervosa and Bulimia, and important information concerning exercise, proper nutrition, food labeling, the food pyramid and solid advice for maintaining a healthy weight.

1.) Food Health & Exercise
This program delivers a clear, concise explanation for how the weight dilemma has arisen in America and, more importantly, how it can be remedied. In easy-to-follow language, the video offers students tips for improving their health by eating smaller portions, choosing healthier foods, exercising more and understanding basic information. Special attention is directed to understanding the food pyramid, food labeling information and fat burning exercises. Health 5.2, 7.2, 7.4, 9.4

2.) Understanding Eating Disorders
This video introduces students to three major eating disorders: anorexia nervosa, bulimia and binge eating. The compelling stories of three real teens that have faced eating disorders are provided to help viewers understand that eating disorders can happen to anyone. In addition to these powerful segments, viewers also hear expert advice on how to get help as well as various treatment options that are likely to prove successful. As the video progresses, viewers learn how eating disorders are related to personality, self esteem and body image concerns Health 8.3, 9.3

3.) Ten Reasons To Get & Stay In Shape
This program gives young people the benefits of fitness in a dynamic way, by clearly demonstrating the major benefits of fitness. These benefits include stronger muscles, healthier lungs, stronger bones, healthier hearts, better weight management, improved mood, improved sleep (especially important for teens), fast remedies for illness and a longer and higher quality life span. Students also get important tips on which sports provide the best fitness results, pointers and tips for sticking to a fitness program. Health 5.2, 7.2, 7.4

4.) Total Health: Body Composition & Flexibility
Fitness experts describe what is meant by body composition and indicate some healthy ranges. Good nutrition and everyday physical activity are encouraged. In the segment on flexibility, viewers are told of the risk of injury that comes when stretching and flexibility are ignored.

5.) Total Health: Cardiovascular Fitness
This video explores the cardiovascular system of the human body and its critical role in overall health. Emphasis is placed upon the high payoff that results from a heart-healthy lifestyle.
and on the fact that many aerobic exercises and activities are simple and fun. Health 5.2, 7.2, 7.4, 9.2, 9.4

6.) Total Health: Muscle Strength & Endurance
This video demonstrates the importance of strength training in maintaining overall fitness. Students learn that muscle helps to metabolize calories faster and that strength training works hand-in-hand with the other components of fitness. Health 5.2, 7.2, 7.4, 9.2, 9.4

7.) Maintaining A Healthy Weight
This video and accompanying print material explore successful techniques for maintaining a normal, healthy weight. Four factors to maintaining a healthy weight are addressed: good nutrition, regular physical activity, positive thinking and effective coping techniques. The video presents clear and achievable steps to eat healthier, avoid fats and sugars, and introduces ways to design a personalized program for monitoring progress. Also addressed are the dangerous health hazards of obesity, fat dieting, and eating disorders. Health 5.2, 6.3, 7.2, 7.4, 9.2, 9.4

Play It Safe: Strategies For A Safe School Environment
*PREMIERING SERIES*
Grades 5-9, 1/18 minute program, AL Rights
Tuesday, September 29, 3:20-3:40 a.m.
Tuesday, February 4, 3:40-4:00 a.m.
Wednesday, March 24, 3:40-4:00 a.m.

This video uses dramatic vignettes, real person interviews and teen hosts to help teach students that they are active players in creating a safe school environment. There are many subtle and often overlooked issues that make up a school’s climate—gossiping, taunting, ignoring, labeling, isolating, teasing, intolerance, bullying, excluding—all can create an unhealthy atmosphere. While one act may not seem significant, the cumulative effects can be devastating.

Students learn how important it is to refrain from negative behaviors, whether in school or on the Internet. Presents The Five Safe School Strategies: Stay Alert, Identify Risks, Speak Up, Be Considerate and Participate. Students also learn how to use their influence to encourage peers to follow these strategies. Often peers are aware of potential school violence and need to act responsibly and seriously when threats are made openly or off-handedly. Students will understand that they have significant ownership in a positive and safe school environment. Technology 8.4

Real Character/Real People
Grades 6-12, 7/30 minute programs, AL Rights, http://www.hrmvideo.com
Wednesday, November 4, 2:00-4:00 a.m. #1-4
Thursday, November 5, 2:00-3:30 a.m. #5-7

This remarkable 7-part series and print curriculum profiles real people of extraordinary character, each of whom is making a difference in our world. Each program examines a key character trait using profiles of adult exemplars, teens in action, and student panel discussions moderated by Dr. Hal Urban. This is character education at its best—compelling, engaging, inspiring and uplifting.

1.) Profiles In Empathy
Empathy is identifying with and understanding how other people feel. Program encourages empathy by exposing students to real life exemplars who help, support, and comfort those in need.

2.) Profiles In Respect
Respect is treating others with the same courtesy and consideration we would want for ourselves. Whether it is sticking up for someone being bullied or pitching in to help the environment, students learn the value of respect.

3.) Profiles In Courage
Courage is what allows a person to face danger or the unknown with confidence and resolution. Program encourages students to embrace courage to positively impact the world around them.

4.) Profiles In Honesty
Honesty is consistently telling the truth and displaying integrity—even in difficult situations. Students will understand how honesty and integrity impact every aspect of character building.

5.) Profiles In Perseverance
Perseverance is what empowers people to continue on when the going gets tough.

6.) Profiles In Responsibility
Responsibility is being dependable, trustworthy, reliable and accountable for one’s actions. Students learn that responsibility is a source of personal satisfaction, and a cornerstone for building strong relationships.
7.) Profiles In Citizenship
Citizenship is dedication and loyalty to community and country. Students see that participation, service, activism, and commitment to government are rights and duties of every citizen.

MATH

Geometry Journey
Grades 5-12, 14/15 minute programs, AL Rights
Tuesday, November 17, 2:00-4:00 a.m. #1-8
Wednesday, November 18, 2:00-3:30 a.m. #9-14

This 14 part series covers the full curriculum of plane geometry and solid geometry, including the properties of basic shapes, mathematics reasoning and proof, areas of planar figures, lateral surfaces, volumes of 3D shapes, as well as non-Euclidean geometry. The series uses computer animation, live action video and graphics to explain geometric shapes, and principles. A male voice narrates over expertly executed cuts between the animation and live footage, with unobtrusive music enhancing the presentation. The content and presentation of this video series was developed with the help of teachers, math and science consultants, and education consultants. Their input is evident in the accurate content combined with an appealing visual format. Students will be challenged and fascinated by the clear presentation.

PLANE GEOMETRY

1.) Points, Lines & Angles
2.) Reasoning & Proof
3.) Symmetry
4.) Triangles
5.) Polygons
6.) Perimeter & Area
7.) Circles

SOLID GEOMETRY

8.) Relationships Between 2D & 3D
9.) Lines, Planes & Angles In Space
10.) Polyhedrons & Solids Of Revolution
11.) Surface Areas
12.) Volumes Of Solid Figures
13.) Regular Polyhedrons
14.) Non-Euclidean Geometry

Math Monsters
Thursday, April 29, 2:00-4:00 a.m. #1-8
Tuesday, May 4, 2:00-3:00 a.m. #9-12

Math Monsters was developed in cooperation with the National Council of Teachers of Math (NCTM). While each show has a main topic, at least four standards are interwoven into each show. This fun animated series will delight, entertain, and educate students.

1.) Data Collection
The Math Monsters want to open a restaurant that serves pancakes, but they don’t know which types to serve. The Monsters decide to do some surveying and discover their favorites. They then explore a variety of ways to graph their findings. M K.16, K.17, 1.18, 1.19, 2.21, 2.23

2.) Standard & Non-standard Measurement
The Monsters decide to build an addition on to their castle, but must let the carpenters know how big they wish the new room to be. The program explores some of the ways children can gain accuracy in measurement taking and in communicating their results. M K.10, K.12, 1.12, 2.12, 2.13, 3.14

3.) Number Conservation, Transformation & Equivalency
The Monsters decide to plant a garden. Each one starts off with the same number of plants, but because their plants are laid out in different arrangements, some Monsters appear to have more plants than others do. This provides an opportunity to explore number conservation. M K.1, K.2, K.19, K.20, 1.7, 1.20, 1.21

4.) The Making Of Tens
The Monsters decide to send boxes of fruit to their relatives for presents. The have greech bushes and grapple trees yielding red greeches and blue grapples. They want to send out boxes of ten to each relative, but decide that no two boxes should contain the same combination of fruit. They spend time figuring out — and noticing patterns in the different combinations of ten. Once the packages are made they need to be labeled and so addition and subtraction are used to help determine how many fruits of each kind are in each box. M K.1, K.4, K.7, K.8, 1.1, 1.2, 1.8, 1.2, 2.1, 2.25, 2.26

5.) Geometry
The Monsters decide to do some tiling in their kitchen and explore different way of covering space and how boundaries play their part. Along the way they describe, model, draw and classify basic shapes and discover which tessellate. M K.13, K.14, K.15, 1.15, 1.17, 2.20

6.) Doubles & Their Neighbors
The Monsters are going to produce a circus. This provides numerous opportunities for exploring doubles and their neighbors. For example, there is a marching band with two even rows. A strong man who needs equal weights on either side of the barbell and the juggler can juggle by doubling balls in the air and then adds one more. M K.8, 1.9, 2.8

7.) Mapping
The Monsters go on a treasure hunt and learn how maps correspond to actual territory. As Monsters go from place to place they learn about orienting themselves in space. In determining the best routes, the monsters discover the shortest may not be the best (due to the big Monster chasing dog on Second Avenue). In addition we learn about grids. H K.2, K.3, K.4, 1.6, 2.5; T 5.3

8.) Time & Money
The Monsters get a present from their Aunt ? wait a minute - It’s a clock. But it needs repair. And repairs cost money. The
Monsters learn what a clock can do and also they learn how many monster cents and dollars it takes to buy parts. M K.10, K.11, K.16, K.20, 1.11, 1.21, 2.16

9.) Patterns
The Monsters learn to recognize, describe, extend and create patterns. They have decided to paint a border around their living room. One Monster starts and asks the next to continue — but what exactly makes a pattern? Monsters learn to decorate with flip patterns. M K.19, K.20, 1.20, 1.21, 2.25, S: K.8, 1.1, 2.7

10.) Counting & Symbolizing
The Monsters decide to count the fish in their castle’s moat — but as the fish keep swimming by, it’s hard to get an accurate count. What can they do to determine just how many fish there are? How can they avoid double tagging? A variety of counting strategies are explored to help the Monsters come to understand one — to — one correspondence. And once they know the exact number of fish — what are some of the ways that numbers can it be represented? M K.1, K.2, K.16, K.17, 1.1, 1.18, 2.3, 2.23; H 2.1

11.) Computers & Other Math Tools
A computer arrives at the castle one day. Uncle Binary has sent it. After unpacking and staring at it for several hours (waiting for something to happen) the Monsters learn that it needs to be plugged in and turned on. They discover how the keyboard and monitor work and gain a very basic and simple understanding of how it functions internally. Among the other tools that are explored are the abacus, calculator, and compass. M K.7, 1.8, 2.6; T 5.1, 5.2, 5.3

12.) Teacher Utilization Program
Math Vantage
Grades 5-10, 23/15 minute programs, AL Rights, Master Teacher Choice

LANGUAGE OF MATH UNIT:
Thursday, November 12, 2:00-3:00 a.m. #1-4

PATTERNS & REASONING UNIT:
Tuesday, November 10, 2:00-4:00 a.m. #1-8
Wednesday, November 11, 2:00-3:45 a.m. #9-15

PROPORTIONAL REASONING UNIT:
Thursday, November 12, 3:00-4:00 a.m. #1-4

The series prepares students for a smooth transition to algebra and geometry, and helps mathematics teachers meet the goals and standards presented in the National Council of Teachers Mathematics Curriculum and Evaluation Standards. It integrates practical application and enrichment activities into the curriculum and promotes student problem solving strategies and reasoning skills.

LANGUAGE OF MATH UNIT:

1.) Integers
M 6.4, 6.5, 7.6

2.) Digitizing With Binary Power
M 6.21, T 5.1

3.) Algebraic Expressions
M 5.20, 6.23, 7.3, 7.4, 7.23, 7.25, 8.5, 8.19, A.2

4.) Algebraic Sentences
M 6.23, 7.4, 7.23, 7.25, 8.5, 8.19, A.2

PATTERNS & REASONING UNIT:

1.) Discovering Patterns
M 5.19, 6.18, 6.21, T 5.2

2.) Patterns With Ten
M 5.19, 6.9, 6.21, 6.22, 7.1

3.) Sequences & Ratios
M 5.19, 6.2, 6.21, 7.1, 7.7

4.) Tessellations/ Transformations
M 5.19, 6.14, 6.15, 6.21, 8.9, G.2, G.9

5.) Networks, Paths & Knots

6.) 2-D Visions In A 3-D World
M 6.14, 7.10, 7.11, G.12

7.) What's Your Angle?
M 5.13, 5.14, 6.13

8.) Trusting Triangles
M 5.8, 5.13, 6.15, 7.8, 7.12, 7.22, 8.11

9.) A World Of Quadrilaterals
M 5.8, 5.15, 6.14, 7.8, 7.10, 8.9

10.) Going Around In Circles
M 5.9, 6.12

11.) Containers: Surface Area
M 5.11, 6.17, 6.18, 6.20, 7.9, 7.21, 8.8, G.13

12.) Data: How Do You Get It?
M 5.17, 6.18, 6.19, 6.20, 7.16, 7.20, 7.21

13.) Data: How Do You Show It?
T 5.2, M 5.17, 6.18, 7.16, 7.20, A.1

14.) Data: What Does It Mean?
M 5.17, 6.18, 6.19, 7.19, 7.21, 7.22, 8.13

15.) Chances Are
M 5.16, 6.20, 7.15, 7.17, 7.18, 8.12

PROPORTIONAL REASONING UNIT:

1.) Rates & Ratios: Comparisons
M 6.2

2.) Proportions: Expressing Relationships
M 6.2, 6.7, 7.7, 8.1, A.19
3.) Proportions: The Stretching & Shrinking Machine
M 7.7, 8.1, G.2, G.12

4.) Percents: Say It With Hundredths
M 5.1, 5.2, 6.1, 6.4, 6.5, 7.1, 7.6, 7.7

X Power
Grades 8-10, 10/15 minute programs, PD&D Rights
Wednesday, November 18, 3:30-4:00 a.m. #1-2
Thursday, November 19, 2:00-4:00 a.m. #3-10

The series fosters the development of algebraic thinking and support the NCTM Principals and Standards for School Mathematics. In addition, the programs support the current paradigm shift in algebra instruction methods that promotes visualization of concepts, multiple methods to solve problems and methods other than emphasizing abstract symbolic manipulation.

1.) Arrival: Problem Solving
Students will solve non-routine problems using multiple methods including guess-and-test, tables, diagrams and equations.

2.) Denial: Expressions
Students will use Algebra Tiles TM to create equivalent algebraic expressions. Students also generalize the characteristics of simplifying algebraic expressions.

3.) Abduction: Equations
Students solve linear equations using equivalent equations, diagrams and working backwards.

4.) Gridlock: Functions
Students use a non-routine situation to identify characteristics of functions. The functions are represented by graphs and tables.

5.) A Secret Code: Patterns
Students identify patterns in multiple contexts including visual representation, graphs, tables and symbols.

6.) Battle Plan: Systems of Equations
Students solve systems of equations using substitution, addition method, and graphing.

7.) A Doorway Through: Factors
Students explore factors of real numbers through geometric representation. They use patterns found in those representations to create similar ones with Algebra Tiles TM for polynomials.

8.) River Of Time: Polynomials & Quadratics
Students use graphs, tables, symbolic and geometric representations to explore quadratic equations. The quadratic formula is introduced.

9.) Reality Planes: Radicals
Students represent irrational numbers in geometric settings using the Pythagorean Theorem.

10.) Vanishing Point: Rational Expressions
Students use the catch-recatch method to explore solutions for proportion in multiple settings. They also explore the effects of raising rational numbers to a power.

SCIENCE

108 Stitches: The Physics In Baseball
Grades 6-12, 4/5 minute programs, AL Rights, http://www.pbs4549.org/baseball/
Wednesday, October 14, 3:00-3:30 a.m. #1-4

Wind up for a great pitch into understanding key physics concepts utilizing the all-American game of baseball. Complex physics concepts are illustrated within the familiar context of everyone’s favorite game.

1.) The Pitch
This program examines the three forces controlling the ball’s trajectory, and how the pitcher can use these forces to manipulate the path of the ball.

2.) The Hit
Kinetic energy, the coefficient of restitution and Newton’s laws of motion all play parts in determining the path of the ball from the batter back to the diamond.

3.) Running the Bases
The third program looks at how ball players apply Newton’s first and second laws and the concepts of force, mass, inertia and acceleration when they are running the bases.

4.) The Flight
The ball’s flight after the batter’s hit use perfect projectile motion, launch angle, air drag, turbulence, temperature, air density and, of course, the Magnus force to fly form home plate over the fence more than 350 feet away.

Bill Nye – The Science Guy
Grades 4-12, 30/25 minute programs, AL Rights
Tuesday, January 5, 2:00-4:00 a.m. #1-4
Wednesday, January 6, 2:00-4:00 a.m. #5-8
Thursday, January 7, 2:00-4:00 a.m. #9-12
Tuesday, January 12, 2:00-4:00 a.m. #13-16
Wednesday, January 13, 2:00-4:00 a.m. #17-20
Thursday, January 14, 2:00-4:00 a.m. #21-24
Tuesday, January 19, 2:00-4:00 a.m. #25-28
Wednesday, January 20, 2:00-3:00 a.m. #29-30

Bill Nye knows how to provide easy access to hard science. His secret is a fast-paced approach, blending humorous hijinks and hands-on activities. Our Science Guy works his magic across a range of topics, so you can even enlist his help when it comes time to teach Health, Math, Nature, and Environmental issues.

Lesson plans for each episode are available at http://www.whro.org/classroom. Follow the Program Description link to Science then to Bill Nye.
1.) Earth's Crust  
   S 3.9, 4.7, 5.7, 6.3, 6.6, 6.8, ES.4  
2.) Gravity  
   S 3.9, 4.7, 5.7, 6.3, 6.6, 6.8, ES.4  
3.) Digestion  
   LS.3, BIO.5  
4.) Magnetism  
   S 2.2, 4.3, PS.11, PH.12  
5.) Chemical Reaction  
   S 6.4, LS.6, PS.2, PS.4, CH.4  
6.) Food Web  
   S 4.5, LS.6, LS.7, LS.9  
7.) Light Optics  
   S 4.3, 5.3, PS.6, PS.9  
8.) The Sun  
   S 3.9, 3.11, 4.4, 4.7, 6.2, 6.8, ES.4  
9.) Atmosphere  
   S 6.3, 6.4, 6.6, ES.12  
10.) Respiration  
    LS.3, BIO.3  
11.) Planets & Moons  
    S 3.8, 4.7, 6.8, ES.4, ES.12  
12.) Plants  
    S 3.6, 3.7, 3.8, 3.10, 4.4, 4.5, 4.8, 5.5, 6.9, LS.2, LS.4, LS.5, LS.6  
13.) Evolution  
    S LS.14, ES.10, ES.12, ES.14, BIO.2, BIO.8  
14.) Friction  
    S 4.2  
15.) Climates  
    S 6.5, LS.11, ES.11, ES.13  
16.) Ocean Life  
    S 3.6, 5.6, 6.3, 6.4, ES.11  
17.) Mammals  
    S 4.5, 5.5, 6.9, LS.2, LS.3, LS.4, LS.5  
18.) Populations  
    S 3.6, LS.8, LS.9, LS.11, LS.12, BIO.8  
19.) Earthquakes  
    S 5.7  
20.) Pollution Solutions  
    S 3.6, 3.10, 4.8, 6.7, 6.9, LS.8, LS.9  
21.) Probability  
    S 3.1, 4.1, 5.1, 6.1, LS.1; M 3.23, 4.19, 5.17, 6.20, 7.14  
22.) Flowers  
    S 3.6, 3.7, 3.8, 3.10, 4.4, 4.5, 4.8, 5.5, 6.9, LS.2, LS.4, LS.5, LS.6  
23.) Deserts  
    S 3.6, 4.5, LS.7  
24.) Heart  
    BIO.5  
25.) Inventions  
    S 3.1, 4.1, 5.1, 6.1, PH.1, PH.2, PH.3  
26.) Gene Science  
    LS.13, LS.14, BIO.2, BIO.6, BIO.8  
27.) Do It Yourself  
    S 3.1, 4.1, 5.1, 6.1, PH.1, PH.2, PH.3  
28.) Lakes & Ponds  
    S 3.6, 5.6, 6.3, 6.4, ES.11  
29.) Storms  
    S 2.6, 4.6, 6.3, ES.13  
30.) Motion  
    S 4.2, 4.7, 6.3, PS.10, PH.1, PH.5, PH.7  

### Biological Classification

Grades 5-10, 20/10 minute programs, AL Rights  
Wednesday, January 20, 3:00-4:00 a.m. #1-6  
Thursday, January 21, 2:00-4:00 a.m. #7-20

This series explores the characteristics in body structure, locomotion, mating, habitat adaptation, and other features that cause scientists to classify living things into biological groups. This key activity in life or biological sciences is learned and refined throughout middle to secondary school science. Worldwide live-action location footage alternates with clear close-ups, freeze-frames and captions that reveal the distinctive features of each taxonomic group. This series also trains young minds how to observe and analyze in a scientific manner. Correlates with Classification (Taxonomy) in states’ science standards, a key Life Sciences and Biology curriculum topic.

Clear footage and editing reveal the most important features of various groups, clarified with freeze-frames, arrows, and graphics. Worldwide location live-action footage provides many examples from diverse geographies of the typical characteristics of a particular group. High-interest footage will motivate students to understand and remember the many details of Taxonomy. Age-appropriate, young female narrator will engage students.

1.) Bees & Other Hymenopterans  
Introduces the members of the order, Hymenoptera, with their characteristic slim shape and two pairs of jointed, membranous wings.

2.) Bony & Cartilaginous Fishes  
Footage introduces several species of bony fishes including turbot, brill, sole, and plaice. The stingray provides a transition to the characteristics of flat, but symmetrical, cartilaginous Fishes.

3.) Bugs & Other Hemipterans  
Isolates the distinguishing characteristics of Heteropterans, including firebugs, shield bugs, cabbage bugs, saucer bugs, and water stick insects, and Homopterans such as aphids, white flies and cicadas.

4.) Butterflies & Other Lepidopterans  
Live-action footage captures each stage of metamorphosis: mating, egg laying, hatching, molting, chrysalis formation and emergence of the adult butterfly.

5.) Crabs & Other Crustaceans  
Introduces characteristics of Crustaceans, starting with decapods such as crabs and shrimps. Includes freshwater species, such as the crayfish, the common barnacle, sand fleas and sow bugs.
6.) Crickets & Other Orthopterans
Film footage reveals the characteristics of crickets and other Orthopterans. The purpose of ovipositors, the developmental patterns of offspring and Orthopterans' jumping abilities are highlighted.

7.) Deer & Other Ruminants
Ruminants are two-toed mammals that regurgitate their food from one of their stomach compartments for further chewing. Introduces Ruminants such as deer, giraffes, ibex, antelope, bison, and others.

8.) Earthworms & Other Annelids
Highlights Annelid features such as a soft, segmented body with defined head and anus, muscles for locomotion, and thick skin full of blood vessels that secrete a viscous liquid.

9.) Flies & Other Dipterans
Reviews the characteristics of Dipterans and shows the life cycle of Dipterans through larvae and pupa to adult.

10.) Frogs & Other Amphibians
Compares the habits and physical characteristics of frogs, tritons, toads and salamanders. Films the mating habits and the metamorphosis from embryo to tadpole to adult.

11.) Ladybug Beetles & Other Coleopterans
Shows that the ladybug has two membranous folding wings protected by two rigid wing covers that are typical of Coleopterans. Also notes the grinding mouth apparatus common to all beetles.

12.) Mice & Other Rodents
Introduces characteristics of Rodents such as mice, voles, muskrats, and gerbils, highlighting the upper and lower incisors, which distinguish rodents from non-rodents such as hedgehogs, rabbits, and bats.

13.) Mussels & Other Bivalve Mollusks
Introduces typical Bivalve Mollusks including mussels, oysters, clams, cockles, and oysters. Explains that each is distinguished by a shell with two halves and siphons through which the animal filters its food.

14.) Owls & Other Raptors
Beginning with the common barn owl, extends the concept of birds of prey (Raptors) to include eagles, vultures, buzzards and kites. Highlights raptors' hooked beaks and talons and their hunting habits.

15.) Paramecia & Other Protists
Introduces paramecia as examples of ciliates, unicellular members of the Protist Kingdom. Live-action microphotography captures these single-celled organisms moving, reproducing and feeding.

16.) Sea Anemones & Other Cnidarians
Cnidarians include a variety of simple organisms such as sea anemones, jellyfish and coral, which possess stinging tentacles (cnidocytes) and exhibit complex behaviors in spite of their simple bodies.

17.) Snails & Other Gastropod Mollusks
The concepts of gastropods, branchiae and eye-bearing antennae are illustrated in the habits and physical characteristics of edible snails, glass nails, slugs, periwinkles, limpets, mud snails and sea slugs.

18.) Snakes & Other Scaled Reptiles
Close-up photography of the rat snake and lizards highlight the characteristic scaly skin that serpents and lizards have in common. Chameleons, geckos, and worm lizards are compared to limbless serpents.

19.) Spiders & Other Arachnids
Comparisons between spiders, daddy-long-legs and acarids (mites, ticks) stress that spiders are not the only Arachnids. Stinging tails and two pincers distinguish true scorpions, which are also Arachnids.

20.) Starfish & Other Echinoderms
Isolates the characteristics of Echinoderms, focusing on their methods of locomotion, their five-armed structure, their calcareous skeletons, their branchiae, and their carnivorous behaviors.

Elementary Science Series
Grades 3-5, 8/15 minute programs, AL Rights
Tuesday, February 9, 2:00-4:00 a.m. #1-8

This science series teaches the essentials of science to children. A video quiz follows each program. All are correlated to, the National Science Education Standards, and Virginia’s science standards.

1.) What Are Plants?
This video explores the diversity of plants and the important features plants have in common: photosynthesis, cell walls, and reproduction via seeds or spores. The importance of plants in everyday life is stressed.

2.) Plant Parts
Students explore the basic parts of a plant including the stem, roots, and leaves. The video describes the functions of these plant parts using many examples that students will recognize easily.

3.) Activities Of Plants
Several important plant activities including photosynthesis, reproduction, growth, and germination are investigated in this video. Students will learn how these processes are related to the structure of plants.

4.) Water, Water Everywhere
This video explores some of the important characteristics of water, and describes properties of saltwater and freshwater environments. The water cycle is explored in detail. Live-action footage from throughout the world illustrates a wide diversity of water environments.

5.) Things In Motion
Students learn about force and the effects of force on objects. Visual examples and real-life demonstrations promote an understanding of how things move.
6.) Light, Light, Light
The way light is described, and is measured are all introduced in this video. Visual diagrams and hands-on experiments help students understand how light works.

7.) Heat & Energy
Students will be introduced to some of the different forms of energy, including heat energy. Students will explore how molecular movement is related to temperature, and how temperature can be measured.

8.) Classifying Living Things
This video discusses the importance of classifying living things and some of the criteria scientists use when classifying. The six major kingdoms are explored, namely: Eubacteria, Archaeabacteria, Protist, Fungi, Plants and Animals.

Eco Kids Explore
*PREMERING SERIES*
Grades 4-8, 5/15 - 18 minute programs, AL Rights
Wednesday, September 30, 2:50-4:00 a.m. #1-5
Wednesday, April 14, 2:40-3:50 a.m. #1-5

1.) Wind Power
Wind is a natural resource that is readily available and virtually everywhere. Wind power is defined as the process of turning the kinetic energy of the wind into electrical energy. Humans have been harnessing the power of the wind for around 2000 years. The Dutch made the windmill famous. Find out how the large wind turbines are built using a simplistic design and modern technology. They operate completely autonomously by rotating with the force of the wind. The blades turn on a rotor that is connected by a shaft to a generator that creates electricity. With the Eco Kids, we’ll explore how the use of wind power is growing and becoming widely used throughout the world. It is an efficient way to use a clean renewable resource.

2.) Hybrid Cars
The first hybrid car was introduced in 1905 with two distinct power sources working together to make it run: gas and electric power. But because using solely gasoline to power a vehicle was cheap and easy, the hybrid car was forgotten until recently. The hybrid car is making a comeback since the fuel widely used now is a non-renewable resource and becoming less affordable. Hybrid cars are operated by a computer system called Digital Drive Line. When you step on the gas pedal, you are telling the system how fast you need to go and the car decides whether to use gas, electric power or both. The benefit of the hybrid is that instead of running on gas an entire trip, it uses non-polluting electric power when possible. The hybrid car is ideal for city driving and traffic. By using less gas, hybrid cars help cut pollution and help save drivers money at the gas pump.

3.) Geothermal Energy
Simply put, geothermal energy is derived from heat produced by the core of the earth. Geothermal energy is one of the oldest renewable resources used by humans. It has been used since ancient Roman times as a heat source. Recently, we have begun to harvest that energy as a source of power.

Geothermal power plants take the heat from the earth and bring it to the surface to create steam that spins a turbine. We have a constant supply of heat from the earth. The challenge is finding where it is strongest and bringing it to the surface. The Eco Kids will guide us through this process and explain a few different ways that geothermal power plants operate. Find out how experts are working to fine-tune the process and make geothermal power plants more affordable and useful across the country.

4.) Solar Power
Solar power is defined as the energy we produce from the conversion of sunlight into heat or electricity. It is one of the most abundant and affordable sources of energy available. However, it is difficult to harness and impractical in some parts of the world. So it is important to explore in depth the process of converting sunlight to power. The three primary ways to produce solar power on a large scale are solar power generating plants, photovoltaic cells and solar thermal heaters. The eco kids will take us through each process of energy conversion to help us better understand this clean energy technology.

5.) Ethanol
With today's high fuel costs, it is time to start looking beyond petroleum and into renewable resources to power our vehicles. Ethanol is a clean-burning fuel derived from plants, primarily corn. The corn is ground, cooked, fermented, distilled and dehydrated, and then is ready for use. Ethanol is combined with gasoline to produce a cleaner fuel that doesn’t emit as many greenhouse gases as pure gasoline. Pure ethanol has not yet been approved to fuel our vehicles, but it is the fuel of choice for race cars. Indy cars operate on 100% ethanol fuel. By mixing gasoline and ethanol, we can extend our fuel supply. Join us as the Eco Kids explore the production of ethanol and highlight the importance it holds in the Green Power movement.

Eyes Of Nye
Grades 9-12, 13/30 minute programs, AL Rights
Wednesday, October 7, 2:30-4:00 a.m. #1-3
Thursday, October 8, 2:00-4:00 a.m. #4-7
Tuesday, October 13, 2:00-4:00 a.m. #8-11
Wednesday, October 14, 2:00-3:00 a.m. #12-13

These programs are perfect for High School and are correlated with National Science Education Standards for grades 9-12. Wacky, way-cool Bill Nye - a real-life scientist and award-winning educator - knows how to make science instruction real and relevant. As Bill Nye the Science Guy, he created wildly popular series that ignited the curiosity of generations of elementary and middle school students. Now he’s back with The Eyes of Nye, a new series for older students.

From cloning to pseudoscience, from antibiotics to addiction, Bill looks at the science behind cutting-edge issues, interviews leading experts, shows students how to analyze facts before forming opinions. When students see the world through The Eyes of Nye, they'll learn how to evaluate even the most controversial topics.
1.) Addiction: Disease Or Behavior?
Is addiction a disease? Or is it a chosen behavior? Hear from scientists who are studying the brain, psychology, social factors, and genetics. Meet people who live with substance abuse issues. Then have students decide for themselves.

2.) Antibiotics: Man Vs. Microbe
Investigate the ongoing battle between man and microbe. Learn how antibiotics work, and find out how germs continually evolve to evade – and survive. Watch as experts finally come clean about the way hand-washing affects germs.

3.) Astrobiology: Does Extraterrestrial Life Exist?
How do scientists search for life in outer space? Consider the methods behind the fascinating possibility of extraterrestrial life.

4.) Cloning: The Science Behind The Controversy
How are clones created? What is the difference between therapeutic and reproductive cloning? Explore the biology and ethics behind cloning.

5.) Genetic Diversity: Sexual Reproduction
Bill discusses the evolutionary advantages and risks of sexual vs. asexual reproduction. Students will learn about the scientific theories and evidence that seek to explain why we reproduce sexually, how it affects genetic diversity, and what sexual selection is.

6.) Genetically Modified Foods: Benefits & Risks
Is genetic engineering safe? It may be too soon to tell, but that doesn’t stop Bill Nye from exploring the benefits and risks. Students will hear from traditional wheat breeders, from researchers who analyze organic and pesticide-free crops, and from corporations engaged in genetic engineering.

7.) Global Climate Change: Earth’s Atmosphere Heats Up
Find out how scientists measure climate change, see how carbon dioxide affects the temperature of Earth’s atmosphere, and hear about the role of fossil fuels. It’s all part of Bill Nye’s in-depth look at the possible causes of global warming.

8.) Human Characteristics & Adaptations: Is Race Cultural Or Biological?
Research has shown that racial differences are only skin deep. Then why do humans look so different from one another? Bill will go to any length to find scientific answers – even if it means having his own DNA analyzed.

9.) Nuclear Energy: The Costs & Benefits Of Alternative Choices
Join Bill Nye as he weighs the risks and advantages of using nuclear power as an alternative source of energy. Visit a nuclear reactor and a proposed nuclear waste site and hear from experts.

10.) Population: Human Demographics
Compare population issues around the world, from demographics to social and cultural aspects, and see how education and industrialization can affect human population. Students will hear about Third World issues, look at world-wide consumption trends, and analyze mass media education efforts.

11.) Pseudoscience: Looking For Evidence & Proof
Bill shows students how to examine out-of-this-world claims through the eyes of a scientist – by looking for evidence and proof. He exposes techniques used by psychics, demonstrates the science of walking on flaming coals, and considers “The Case of the Extraordinary Claim.”

12.) Sports: Science In Action
Learn about the physics behind sports, take a look at the mental aspect that world-class athletes bring to their efforts, and explore why people play and watch sports.

13.) Transportation: Traffic, Fuel Consumption, & Air Pollution
Bill Nye is in the driver’s seat as he explains the environmental impact of America’s car culture. Students will learn how computers can simulate traffic flow, find out about fuel-efficient alternatives, and discover what individuals can do to reduce traffic-related air pollution.

Food In Space
Grades 5-10, 1/30 minute program, PD&D Rights, http://foodinspace.com
Tuesday, September 29, 3:40-4:00 a.m.
Tuesday, December 8, 2:00-2:20 a.m.
Wednesday, February 24, 3:40-4:00 a.m.
Thursday, April 22, 3:40-4:00 a.m.

Have you ever wondered how astronauts do the simple things like eat and go to the bathroom in space? Food in Space will answer these questions and a whole lot more. Join Emmy® Award winning host Jennifer Pulley as she finds out how Astronauts eat, what they eat, and how they train to live in a reduced-gravity environment.

The Forest Files

The Forest Files

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Grades 5-8, 1/28 minute program, PD & D Rights
Wednesday, October 14, 3:30-4:00 a.m.
Thursday, March 18, 3:30-4:00 a.m.
Thursday, April 22, 2:40-3:10 a.m.
Explaining the mechanics of forest operations, this program
introduces the details of the water, air and soil cycles. Scientists detail through interactive experiments the inner workings of forests, and the delicate balance of air, water, and nutrients that help keep forests alive and healthy. It explains the danger that pollution presents to our forests, and consequently our health. The Forest Files elicits students’ help and aid in maintaining the health and safety of forest for future generations. The half hour program has six segments.

1.) The Forest & The Air Cycle
2.) The Forest & The Water Cycle
3.) The Forest & The Soil Cycle
4.) The Forest & The Weather
5.) The Forest & The People
6.) The Forest & What You Can Do

Fundamentals Of Chemistry
Grades 6-9, 8/20 minute programs, AL Rights

Wednesday, February 10, 2:00-4:00 a.m. #1-6
Thursday, February 11, 2:00-2:40 a.m. #7-8

All programs in this series cover the major chemistry topics outlined in the National Science Education Standards and AAAS Benchmarks for Science. In addition, all programs are correlated to the Virginia standards, as well as the National Science Education Standards.

1.) What Is Matter?
In this introduction to the nature of matter, students explore how their entire lives depend on and interact with matter. The program vividly demonstrates some of the physical and chemical properties of matter. Special attention is paid to the ways matter is measured. Length, mass, weight, volume of common everyday matter in metric and standard units is explored.

2.) Solids, Liquids & Gases
What are the differences between solids, liquids and gases? In this program students will see real-life examples of the different phases of matter. Colorful animations illustrate how these states differ in movement of particles. The different types of phase changes are graphically displayed.

3.) Elements, Compounds & Liquids
This video explains the vital role elements and compounds play in making up matter. Vivid animations make hard-to-understand concepts come alive. Everyday examples of different types of mixtures bring abstract chemistry to life.

4.) Atoms
This video helps to make the abstract concept of atoms become understandable to students. The major scientific breakthroughs which have contributed to our understanding of the atom are discussed. Colorful diagrams and animations describe the basic structure of atoms. Atomic number and atom mass are also discussed.

5.) The Periodic Table
This program makes the modern periodic table come alive to students. Numerous real-life examples of elements are exemplified in the table. Specific patterns in the periodic table are highlighted.

6.) Bonding
The process of chemical bonding is described and illustrated through live-action footage and supported by vivid animations. This program explains the role atomic structure plays in the process of bonding. Different examples of chemical bonding including ionic bonds, and metallic bonds are illustrated. Students learn how bonds affect the characteristics of matter.

7.) Reactions
Chemical reactions are one of the most fascinating topics in chemistry. Fireworks, burning flares, and rusting all illustrate chemical reactions. The different types of reactions are described, as well as the process of balancing chemical equations.

8.) Families Of Chemical Compounds
In this program students see how scientists classify chemical compounds into families. The acid and base system is explored, emphasizing common everyday uses. Common carbon compounds are explored, as are examples of hydrocarbons. Colorful animations, graphics, and live-action footage help bring compounds to life.

Global Warming: Science & Solutions
Grades 9-12, 2/60 minute programs, AL Rights

Thursday, October 15, 2:00-4:00 a.m. #1-2
Thursday, April 15, 2:00-4:00 a.m. #1-2
Thursday, April 20, 2:00-4:00 a.m. #1-2

“Global Warming: Science and Solutions presents an up-to-date look at an urgent problem, arguing that as global warming continues, arctic ice caps will recede, sea levels will rise, coastal areas will be wiped out, and precipitation levels and ecosystems will change, leading to more frequent and more violent storms in some areas, and conditions in others, the extinction of some species, and a drastic change in our way of life. Recommended.”
-Video Librarian, May/June 2007

Our planet is warming; it’s significantly warmer in the 21st century than it was in the last third of the 20th century. Indeed, four of the warmest years on record have occurred in this century. This global warming is being forced by the unabated burning of fossil fuels pouring CO2 into the atmosphere. And this warming appears to be forcing dramatic regional and worldwide climate shifts. This series takes you through the Science of Global Warming and the Solutions. We need only to trust the science and work together to implement these solutions...solutions we can no longer afford to ignore.

1.) The Science Of Global Warming
We cannot predict the consequences of Global Warming without clearly understanding the “how” and “why” Global Warming is occurring. This program takes you through the complexities and science of our atmosphere, the numerous biogeochemical cycles occurring today, and the physics behind the greenhouse effect.
Topics in this program: the science of global warming, climate has changed before, the industrial revolution, hydrological cycle, biogeochemical cycles, nitrogen cycle, methane cycle, aerosol cycle, the carbon cycle, the greenhouse effect, greenhouse gas demonstration, and how much warmer are we.

2.) Global Warming: Solutions
This program looks at new solutions that change our energy sources away from fossil fuels. In ten years we can be free of our dependence on fossil fuels and at the same time reverse Global Warming. All of the solutions are dependent on the choices we make now. Will the solutions be implemented in an intelligent and planned way or be forced on us in a costly and painful way by circumstances? Look around, the future is now.

Industrialization has reshaped the surface of the planet replacing native ecosystems with agricultural crops, manipulating water flows through dams and reservoirs, urbanizing large seacoast areas, destroying food chains in the oceans and spewing vast amounts of greenhouse gases into the atmosphere through the burning of fossil fuels – coal, oil and natural gas. And with some of these greenhouse gases having over 1000 year life spans in the atmosphere, the cumulative effect, if continued, will end civilization as we know it.

Topics in this program: adaptation and mitigation for a warmer world, mitigation, wind power, hydrogen fuel, photo biological hydrogen, ethanol, thermal chemical, conversion of biomass and solar adaptation.

Life In Aquatic Environments
Grades 8-12, 1/45 & 1/35 minute program, AL Rights
Thursday, February 11, 2:40-4:00 a.m. #1-2

In these programs life is examined in terms of habitat, diversity, adaptation, ecological niches, and interrelationships. Modular presentation, stunning biological photography, and up-to-date learning design create a powerful teaching resource for the study of aquatic and marine life.

1.) The Biology Of Lakes, Ponds, Streams, & Wetlands

The Weedy Shallows: This program places many of the organisms studied in biology into an ecological perspective: hydras, planarians, annelids, aquatic insects, rotifers, and protists, all interesting organisms that provide food for fish and other vertebrates.

Open Water Environments: Adaptations for planktonic life are observed in Daphnia and other cladocerans, copepods, rotifers, and planktonic algae.

Bottom Environment: Explores bacterial decomposition, recycling of materials, adaptations for bottom life, and ecological relationships in the bottom community.

Stream Life, Inhabitants, & Adaptations: This unit takes a revealing underwater look at the highly specialized organisms that live in rapids, under rock communities, and in slower waters.

Vernal Pools: Investigates adaptations for life in temporary wetland environments.

2.) The Biology Of Seashores

Abiotic & Biotic Factors: Tides, wave shock, desiccation, and food sources. Adaptations for Wave Shock: Shows the variety of body forms and structures found in an environment ripped by waves.

Defense: Examines structural, chemical, and behavioral adaptations that protect animals in this crowded environment.

Feeding: Looks at adaptations used to harvest the abundant food sources of the shore.

Reproduction: Examines asexual and sexual strategies and the importance of larval development in the plankton.

Rocky Shores, Sandy Beaches, Mudflats, Docks: Reveals complex webs of life living in these accessible habitats.

Turning Points In The Physical Sciences
Grades 7-12, 5/30 minute programs, AL Rights
Tuesday, October 6, 2:00-4:00 a.m. #1-4
Wednesday, October 7, 2:00-2:30 a.m. #5

“This is well-paced chronological overview of the history of the physical sciences from ancient times to the present...Teachers could use this series to introduce some of these topics and then provide more in-depth information...This tidy series would be perfect as a teaser introduction to the physical sciences or a review for exams.”

School Library Journal

Growing from ancient astronomical observations 2500 years ago to black holes in space no human endeavor has transformed society and defined our place in the cosmos more than the physical sciences.

What started as a kernel of knowledge about the movement of the heavenly bodies has expanded to include the atomic building blocks of all chemistry; geology’s understanding of earth’s long history and the forces that have shaped our planet’s features; astronomy’s picture of an ever expanding universe populated by billions of galaxies each containing billions of stars; and physics understanding of the basic principles of movement, energy and forces which has given us the technological world of cars, planes, television, computers, cell phones, and the electrification of the planet.

Turning Points In The Physical Sciences takes you on an exciting journey of discovery from ancient through classical science to the world of modern physics, relativity, chaos theory and quantum mechanics.

1.) 130 - 1819

130-1640 - Ptolemy To Galileo
1688-1796 - Newton To Nebular Theory Of The Solar System
1800 - Electrolysis Reveals New Properties Of Electricity
1808 - Atomic Theory Of Matter Is Announced
1814 - Light Reveals Spectral Lines
2.) 1820 - 1845

1820 - Electromagnetism Is Discovered
1824 - Carnot Expresses First Law Of Thermodynamics
1830 - Charles Lyell Publishes "The Principles Of Geology"
1831 - Faraday Produces Electricity From Magnetism
1837 - A Past Ice Age Is Theorized By Agassiz
1842 - Doppler Effect

3.) 1846 – 1902

1846 - The Planet Neptune Is Discovered
1864 - Maxwell's Equations Unify Electricity And Magnetism
1869 - The First Periodic Table
1895-6 - X-Rays And Radioactivity Are Discovered
1897 - First Subatomic Particle Found: The Electron
1899 - Principles Of Quantum Physics Established By Max Planck

4.) 1903 - 1928

1903 - Chaos Theory
1905 - Einstein’s Theories Of Special And General Relativity
1907 - B.B. Boltwood Proposes Radioactive Decay Be Used To Date The Earth
1912 - Alfred Wegener Proposes Continental Drift Theory
1925 - Wave-Particle Duality And The Uncertainty Principle

5.) 1929 - 2004

1929 - Edwin Hubble Initiates The Idea Of An Expanding Universe
1942 - Manhattan Project Creates First Self-Sustaining Chain Reaction
1963 - Maarten Schmidt Discovers Quasars
1964 - Murray Gell-Mann Postulates The Existence Of Quarks
1967 - White Dwarfs, Neutron Stars, Pulsars And Black Holes
1990 - The Great Attractor And Dark Matter
2004 - Organic Material Found On Extrasolar Planet

SOCIAL STUDIES

2008 – Obama Wins The Presidency

*PREMERING PROGRAM*

Grades 7-12, 8/30 minute programs, AL Rights
Tuesday, September 22, 3:45-4:00 a.m.
Wednesday, November 11, 3:45-4:00 a.m.
Thursday, February 18, 3:45-4:00 a.m.
Tuesday, March 2, 3:45-4:00 a.m.

In 2008 a black man, Barack Obama, was elected as the 44th President of the United States. Overcoming enormous obstacles, he has risen to the highest position in the United States.

America's Special Days
Grades 2-4, 16/15 minute programs, AL Rights
Tuesday, February 2, 2:00-4:00 a.m. #1-8

Wednesday, February 3, 2:00-4:00 a.m. #9-16

This series helps students understand why we celebrate certain days, commonly referred to as “holidays.” The programs use an interdisciplinary approach combining language arts, reading, science, mathematics, and the fine arts around a social science framework. SOL Correlations for all programs: H K.1, K.7, K.8, 1.2, 1.3.

1.) New Years Day(s)

Francesca, our guide, takes us to several locations where people are celebrating New Years Day in a variety of ways. She explains how the calendar was developed, and briefly describes the solar and lunar calendars. The dropping of the lighted ball in New York City, “Auld Lang Syne” and street celebrations are shown as traditional ways to celebrate New Year’s Day. The Chinese New Year celebration is also shown, depicting the dragon as a symbol of goodness and strength. Francesca concludes the program by writing a New Year’s resolution and challenging the audience to make and keep their own resolutions. S 1.6, H 1.1

2.) Martin Luther King Jr./Black History Month

Martin Luther King, Jr. believed in peaceful protest. He dedicated his entire life to his cause, speaking, preaching, and teaching that America should be a place where everyone should be treated fairly. The beginning of the video shows the turmoil of the sixties and the unfair treatment of minorities. Teachers may want to discuss this prior to showing the video. The program features gatherings of school children across the nation paying tribute to Dr. King through song and speech. We visit Kings birthplace, church, and museums. At the Civil Rights museum, you will see the Rosa Parks bus and a replica of the Woolworth lunch counter sit-in. We also witness the 1963 signing of the Civil Rights Bill by President Johnson, which helped bring King’s dream of equality to life. The program ends with a challenge to explore avenues of friendship. H K.1, 1.12, 2.11, 2.12, 3.11

3.) President's Day

In this program, we first visit Washington D.C., the Lincoln Memorial and the Washington Monument. We then go to Mount Vernon, the home of George Washington. Here we meet Washington’s blacksmith and doctor, and we learn interesting facts about Washington. From Mount Vernon, we travel to Illinois to visit the homes of Abraham Lincoln in New Salem and Springfield. Here we meet a tavern keeper and a national park service tour guide who takes us on a tour of places where Lincoln Lived and worked. Francesca concludes our visits by challenging students to learn more about these two very important Presidents. H K.1, K.9, 1.2, 1.3, 1.9, 2.9, 2.11, 3.11

4.) Woman's History Month

In this program, children see a collage of women in non-traditional roles. Florence Nightingale. Francesca visits her mother, a radio announcer, and they discuss opportunities for women today. Francesca then challenges the audience to talk to women about what they do. H K.5, 1.1 , 2.11, 2.12, 3.11
5.) Arbor Day/Earth Day
In this program, our host, Francesca introduces important facts about trees, as we view trees in different seasons and locations. A class visits Arbor Lodge in Nebraska City, Nebraska, the home of J. Sterling Morton, author of Arbor Day. A class plants a tree in Lincoln, Nebraska, in honor of Arbor Day. The next event is a visit to an Australian rainforest. Francesca’s teacher explains how trees are an integral part of the web of life on earth. H 1.9, 2.7, 2.9, 3.7, 3.9

6.) Memorial Day/Veteran's Day
This program examines the ceremonies and commemorations to show respect for those that serve or have served our nation. The program begins with the changing of the guard at the Tomb of the Unknowns at Arlington National Cemetery. Visiting children from Tennessee place a wreath at the tomb. “Taps” is played and the flag is displayed at half-staff with the Curtis Lee Mansion shown in the day. Other monuments are shown, as well as several Memorial Day and Veteran’s Day activities and background. Later, Francesca and her grandfather share facts about Memorial Day and Veterans’ Day. H 1.11, 1.12, 2.12, 3.11

7.) Flag Day/Citizenship Day
This program examines various symbols, with the main focus being America’s flag, the symbol of our country. Much of the program focuses on people and how they view the flag. The program begins and concludes with a Flag Day parade in Appleton, Wisconsin, the birthplace of Flag Day. Also included is the poem “The Flag We Fly,” by Aileen Fisher, the history of Flag Day, unique trip to a flag factory, flag etiquette, the Pledge Of Allegiance, and the meaning of the red, white, and blue. An exciting conclusion to the program is the National Anthem with words on the screen so that the viewers can sing along. This program can also be easily adapted and used for Citizenship Day. H K.1, K.9, 1.11, 1.12, 3.7

8.) Independence Day(s)
This program salutes Independence Day (July 4th), Cinco de Mayo (May 5th), and Sies do Septiembre (September 16th). Our guide, Francesca, takes us to Washington D.C., where we visit the Thomas Jefferson memorial. We visit with Thomas Jefferson at this home in Monticello. Then we go to Philadelphia to see the Liberty Bell and Independence Hall. Francesca explains some of the symbols of our freedom like the eagle, the Liberty Bell (also on the fifty-cent piece) and some symbols of our money. We visit several Fourth of July celebrations. Mexican Independence Days are celebrated with parades, dancing, and carnivals. H K.1, K.2, 1.2, 1.3, 1.11, 2.9, 2.11, 3.4, 3.11

9.) Native American Day
Francesca, our guide, takes us to a Native American store. She explains the important contributions of Native Americans, including names, foods, and ideas that we have adopted. We learn how the Native Americans helped the Pilgrims to survive in the New World. Francesca’s Native American friends talk to us about Native American heritage, past and present. We learn that we have received many foods and ideas from them. We also visit a Native American boy named Red Wing, and spend the day with him. H K.2, K.6, 1.1, 1.12, 2.2, 2.3, 2.12, 3.3, 3.4, 3.11, 3.12, 4.1

10.) Thanksgiving Day
From the very first Thanksgiving in Plymouth Colony when the Pilgrims and the Native Americans celebrated together, to present-day family gatherings, Americans have set aside a special day to remember our many reasons to be thankful. A variety of celebrations are featured with ethnic foods. Cultures highlighted are Hispanic, Asian-American, African-American, and Anglo-American. We also visit a homeless shelter. Notice the variety of family structures, including the extended family, one parent family, and traditional family. H K.1, K.2, 2.2

11.) Labor Day
Children learn the value of work ethics, fairness in the workplace, and the history of Labor Day. Labor practices of children throughout the world are reviewed. This program will be an incentive to appreciate the American education system. H K.2, K.6, 1.10, 2.3, 2.7, 3.7

12.) Book Week
Viewers visit a book factory, meet authors, visit places where books are made available to readers, and learn more about the importance of books. The joy of reading will be emphasized. H K.6, 2.7, 3.7

13.) Election Day
Children learn that elections are an earned right and responsibility of citizens. They meet new citizens and learn why and how they became citizens. We will compare and contrast school elections to national elections. H 1.11, 1.12, 2.10, 2.12, 3.10, 3.11, 3.12

14.) Olympics/Special Olympics
Sportsmanship, competition, national pride and honor among Olympians will be emphasized. Olympic history will be reviewed. The value of doing your best will be demonstrated. H K.2, 1.10, 2.12, 3.1, 3.4, 3.12

15.) Groundhog Day
This popular but little understood holiday will be explained along with the concept of spring. S K.7

16.) Daylight Savings Time
Children will learn the why and when of the day we change the clocks. What happens when the earth revolves around the sun? What happens when we don’t change our clocks? Time zones and the reasons for them will be discussed. S 3.8

Ancient Egypt
Grades 2-6, 5/15 minute programs, AL Rights
Thursday, March 25, 2:00-3:15 a.m. #1-5

From pyramids to magical funeral rites, the Ancient Egyptians present a truly larger-than-life picture. Ancient Egypt will capture children’s imagination and generate a range of exciting work from model making to performing arts. The programs illustrate the colorful lives of the Egyptian people, with their
pharaohs, ceremonies, and ways of life. Although history-led, the programs look at agriculture, education, the roles of men, women and children, hieroglyphs, art, architecture, beliefs - and opening opportunities to explore a range of related subjects.

1.) Gift Of The Nile  
   E 2.2, 3.1, H 2.1, 3.5

2.) Homes & Hieroglyphs  
   H 2.1, 3.5, 3.7, A 2.13, 2.18, 2.19, 3.13, 4.12, 5.19

3.) Death Of A Pharaoh  
   H 2.1

4.) Egyptian Women  
   H 2.1, 3.1

5.) The Weighing Of The Heart  
   E 2.2, 2.3, 3.1, 3.2, 4.1, 5.3; H 2.1, 3.1

Century

Century illuminates, educates, enlightens, and entertains; looking at Hampton Roads since 1900 and the impact the past will have on our future. Through an eight-part series and website, the program offers personal accounts and perspectives from people who lived in Hampton Roads as the century's pivotal events took place. Each episode includes a mini-documentary outlining the broad sweep of the century as it relates to the episode topic, witnesses recounting their memories of events or experiences, and a discussion with experts on the historical impact and future implications of the topic.

1.) A Great Harbor, A Powerful Port  
Since the beginning of the colonial period, the port has played a major role in the social, political, and economic life of the region.

2.) The Military In Hampton Roads  
As the United States declared itself a player on the world stage in the 20th century, the world watched a great and powerful navy built and stationed here in Hampton Roads.

3.) A Growing Diversity  
As the military, shipbuilding and shipping industry grew, so did the population. And a wave of immigration connected to the growth of the port was felt in Hampton Roads.

4.) Education For A Diverse Population  
As the population diversified, a need for enlarging the education base grew and a mighty struggle to educate minority students was engaged.

5.) Empires Of Religion  
The diverse population brought with it a need for a more diverse religious foundation. Several major religious and spiritual movements were born here in the region.

6.) The Land, The Water, & The Environment  
These elements play a critical role in Hampton Roads, from the watermen, shipping, military and recreational industries to the federally owned land and its impact on the environment and economic life of our region.

7.) Medicine & Technology  
The growth of population, military, and defense jobs has given Hampton Roads an impressive tapestry of medicine and technology industry.

8.) The Business Of History & Growth Of Tourism  
Following the Jamestown Exposition, the growth of the area became explosive. The waterfront, beaches, and other natural attractions drew people to the region. The influx of population and tourists required many improvements on bridges, highways, and tunnels.

Church Street, Harlem Of The South

Church Street was also a model of integration in the 1920's and 30's as the invisible barriers of the Jim Crow laws created a haven of independence and self-determinations for blacks in the area. Many blacks on Church Street became entrepreneurs and prospered during that time. For future generations, Church Street will be a four-lane highway. But others will remember a place where great performers traveled long roads to entertain and to rest, where leaders of the civil rights movement were born and where the memory and culture of a people were nurtured.

Citizen's Rule: How We Elect Our President

What does it take to become President of the United States? What is the Electoral College? With colorful graphics, lively animation and live-action footage the entire election process is explained in simple-to-understand language. Students will learn about political "platforms" and "party tickets" as well as interesting facts about former presidents that will stimulate classroom discussion. Students will come to understand the qualifications of a presidential candidate, political parties,
how presidential caucuses and primaries work, the role of national conventions and the voting process itself.

Vocabulary Words: constitution, election candidate electoral college, electors, population, inauguration day, oath, political parties, caucus, primary, convention, ticket, platform, campaign and debate. H K.11, 2.10, 3.10, 4.11.

1.) Our Government
2.) The Electoral College
3.) Political Parties
4.) The Campaign

Civil War In Hampton Roads

WHRO

Grades 5-12, 4/45 minute programs, PD&D Rights
Tuesday, March 16, 2:30-4:00 a.m. #1-2
Wednesday, March 17, 2:30-4:00 a.m. #3-4

It's been called the greatest war in American history. By the time it was over, three million had fought, and more than 600,000 of them died – more than the combined fatalities of all the other wars we've fought in our short history. We know it today as the Civil War.

1.) Civil War In Hampton Roads: 1861
WHRO's first production shot in high definition combines visits to regional Civil War sites, interviews with historians, archivists and educators, footage of re-enactments and archival photographs as well as other period images to examine the role this region played militarily, politically and strategically, in the war that divided the country in half.

2.) Civil War In Hampton Roads: Battle Of The Ironclads
Tensions increased as the North and the South simultaneously built ironclad ships. The side finishing first could win the Civil War. As it turned out, it was a virtual tie. On March 8th 1862 the U.S.S. Monitor was at risk of sinking in a storm on the Atlantic Ocean as it steamed south along the east coast. That very morning the C.S.S. Virginia almost destroyed the Union's wooden fleet in Hampton Roads Virginia. But on March 9th the U.S.S. Monitor surprised the captain and crew of the Virginia who upon returning to the Roads expected to serve in this war to end slavery. Despite the destruction it caused, the Civil War brought massive social, political, and economic changes to Hampton Roads. The end of the war gave a new life to African-Americans. Former slaves like Thomas Calhoun Walker became community leaders. New economic opportunities arose with the arrival of new railroads, which fostered a boom in the Hampton Roads tourism, seafood, shipbuilding and lumber industries.

3.) Civil War In Hampton Roads: Peninsula Campaign
After the disastrous Union defeat at Bull Run on 21 July, 1861, President Abraham Lincoln desired that the Army of the Potomac would again strike against the Confederate capital at Richmond, Virginia. On November 1, 1861 Lincoln turned to a new general, George Brinton McClellan, to take command of the army. The Federal commander thought that he could trap Major General John Bankhead Magruder's Army of the Peninsula at Yorktown like George Washington had cor-

nered Lord Cornwallis during the American Revolution in 1781. The battles in Southeast Virginia during the first six months of 1862 comprise the Civil War's greatest amphibious operation – the Peninsula Campaign.

4.) Civil War In Hampton Roads: A New Beginning
In the wake of the Peninsula Campaign, the Union seized control of all of Hampton Roads and the South lost the use of critical shipbuilding transportation, industrial and agricultural area. Fort Monroe became a center for the recruitment of U.S. Colored Troops, as many African-Americans sought to serve in this war to end slavery. Despite the destruction it caused, the Civil War brought massive social, political, and economic changes to Hampton Roads. The end of the war gave a new life to African-Americans. Former slaves like Thomas Calhoun Walker became community leaders. New economic opportunities arose with the arrival of new railroads, which fostered a boom in the Hampton Roads tourism, seafood, shipbuilding and lumber industries.

Colonial Williamsburg Electronic Field Trips

Grades 3-8, 7/60 minute programs, L Rights, http://www.history.org/trips

Colonial Williamsburg Electronic Field Trip season. This year's live, interactive lessons bring Native Americans, the authors of the Constitution, settlers, explorers, enslaved Africans, young Americans, and conservators to your classroom.

Emissaries Of Peace
Thursday, October 15, LIVE 10:00-11:00 a.m. & 1:00-2:00 p.m.

During the turbulent era of the French and Indian War, the Cherokee people struggled to preserve their independence. Follow Cherokee leader Ostenaco and Virginian Henry Timberlake on their 1762 journey from Chota (the capital of the Cherokee nation). History-VS.2, VS.4, VS.5, SUI.3, US1.4, USI.5

A More Perfect Union
Thursday, November 19, LIVE 10:00-11:00 a.m. & 1:00-2:00 p.m.

Witness the conflict and compromise that accompanied the ratification of the U.S. Constitution. Join young eighteenth-century observers, unseen by convention delegates, as they travel from state to state tallying the vote. Learn about the ratification process and Americans’ growing interest in their fledgling nation's new government. History-UIS.7, USII.3, CE.2, VUS.5, VUS.9, GOVT.4

www.whro.org/classroom
Jamestown Unearthed
Thursday, December 10, LIVE 10:00-11:00 a.m. & 1:00-2:00 p.m.

Take a look at how history is written and reevaluated as new methods of study are introduced. Using the example of Jamestown in 1607, explore the myths and misconceptions of that era: revisit the documents, artifacts, and other evidence through archaeology. Learn how every generation sees the evidence in new ways, and how this affects our understanding of the past. History-3.5, VS.2, VS.3, VS.4

Westward!
Thursday, January 14, LIVE 10:00-11:00 a.m. & 1:00-2:00 p.m.

Explore the story of the early days of American westward expansion. Daniel Boone recounts the exciting experiences and unexpected consequences associated with moving west. Learn about the risks and grueling personal hardships of creating new settlements. History-USI.8, USII.4

The Slave Trade
Thursday, February 11, LIVE 10:00-11:00 a.m. & 1:00-2:00 p.m.

Beginning with the American Revolution, this program explores the U.S. law of 1807 that abolished the trans-Atlantic slave trade. Meet the people who were involved in or influenced by this pivotal legislation: the slaves, plantation owners, slave-ship captains, common seamen, government officials, Navy officers, and anti-slavery activists. History-VS.5, USI.6

The Rights Of Youth
LIVE Thursday, March 11, 10:00-11:00 a.m. & 1:00-2:00 p.m.

Imprisonment, whipping, forced transportation, and even death were some of the punishments that courts sentenced children to in the eighteenth century. Witness how justice was administered at a time when criminal laws and sentencing guidelines made few or no exceptions for children. History-USII.4, VUS.8, CE.10

Treasure Keepers
Thursday, April 22, LIVE 10:00-11:00 a.m. & 1:00-2:00 p.m.

You have seen their work in every museum, but what do conservators really do? Learn how conservators prevent or slow the damage caused by “agents of destruction.” Explore how and why preserving history is important for future generations. History-VS.2, USI.3

For more information about these live, interactive television programs, teacher guides, and online resources call 1-800-761-8331, email EFTSupport@cwf.org or visit www.history.org/trips

Discovering Jamestown

Grades 4-5, 5/7:00-8:00, PD&D, http://www.historyisfun.org
Thursday, October 1, 3:15-3:50 a.m. #1-5
Thursday, January 28, 3:00-3:35 a.m. #1-5

This series examines the earliest days of our country; namely, the founding of Jamestown in 1607. It details the society already existing in Virginia, namely the Powhatan, and traces the formation of a successful and stable society in Jamestown. This series focuses mainly on the peoples populating early colonial Virginia; the reasons for an English journey to the New World, and the continuing legacy of Jamestown.

1.) The People Of Jamestown: The Africans
This program explores the 1600’s African culture and society, the interaction between Europeans and Africans, the practice of slavery, and ultimate arrival of the first Africans to Jamestown in August, 1619. The video program is supported by web based classroom resources.

2.) The People Of Jamestown: The English
This program discusses the basis for English interests in the colonization of Virginia, the Virginia Company of London charter, and English society and life in the 1600’s that includes both religion and government. The video program is supported by web based classroom resources.

3.) The People Of Jamestown: The Virginia Indians
This program focuses on the Virginian Indians that inhabited Jamestown when the English first arrived in 1607: Powhatan society, government, religion and economics, and highlights chief Wahunsonacock, also known as Powhatan. The video program is supported by web based classroom resources.

4.) Voyage To Virginia
This video program explores the background, conditions, and historic voyage that departed England on Dec. 20, 1606 and arrived at the entrance of the Chesapeake Bay on April 26, 1607, moving upstream on the James River going ashore on May 14, 1607, to establish Jamestown. The video program is supported by web based classroom resources.

5.) Jamestown Legacy
This video program traces the English voyage to Jamestown, establishing a settlement, issues of survival, self governance, and economics, including the institution of slavery. Jamestown legacies include free enterprise, private land ownership, representational government and cultural diversity.

Early Americans In History
Grades 2-8, 6/10 minute programs, AL Rights
Thursday, January 28, 2:00-3:00 a.m. #1-6

This series dramatizes how six of our important citizens and heroes, four from the Revolutionary War period, and two from the Civil War era, affected the course of American history. They introduce American history through biographies of
these figures, through holidays dedicated to these people, and to symbols such as the American flag.

1.) Harriet Tubman & The Underground Railroad
It was neither underground nor a railroad, yet the Underground Railroad was a route from south to north taken by thousands of slaves on their dangerous journey to freedom. Harriet Tubman was one of the Underground Railroad's most courageous conductors, as young people learn in this program. H 1.12, 3.11, USI 9

2.) Betsy Ross Makes A Flag
Betsy Ross, a patriot of the American Revolution, made many sacrifices: two of her husbands died during the war, she made pouches for soldiers to carry gunpowder, and she even had to tolerate British occupation of her house. But she is most remembered for sewing the first American flag. H K.1, K.9, 1.11

3.) Ben Franklin: Man Of Firsts
Ben Franklin's ideas and actions seem to be the essence of the American Character. Using many of the sites and artifacts associated with him in his adopted city of Philadelphia, this summary of his seemingly infinite variety will help students understand his many achievements. H 1.2, 1.3, USI 6

4.) Jefferson & The Declaration Of Independence
"That all men are created equal" are perhaps the most revolutionary words in history. Learn how Thomas Jefferson was chosen by the Continental Congress to write them, how the Declaration was amended, and how it failed to deal with America's most difficult issue, slavery. H K.9, 1.3, 2.11, VS.5, VS.6, USI 5, USI 6

5.) Lincoln At Gettysburg
Featuring a calm yet emotional reading of the complete Gettysburg Address, this program dramatizes for students how Abraham Lincoln reconciled the horrors of this battle. The underlying conflicts and the progress of the battle provide the background to the portrayal of his greatest achievement. H K-1, K-9, 1.2, 1.3, 2.11, 3.11, VS.7, USI 9

6.) Washington At Valley Forge
This program introduces students to the background and major events of this crucial period in American history. It emphasizes how important George Washington's leadership was in ensuring that the Colonial army would win the Revolutionary War after this crisis. H K.1, K.9, 1.2, 1.3, 2.11, 3.11, VS.5, VS.6, USI 6

**Facts Of Congress**

**Grades 6-12, 30/1 minute programs, PD&D Rights**

Wednesday, December 9, 3:15-4:00 a.m. #1-30

Facts Of Congress are short, animated videos designed to teach students about Congress in an engaging and entertaining ways. Developed for middle school students, the videos are equally appropriate for high school students and for citizens of all ages. The series is a production of The Center on Congress at Indiana University.

**Gone But Not Forgotten**

**Grades 4-11, 2/60 minute programs, PD & D Rights**

Thursday, March 11, 2:00-4:00 a.m. #1-2

Gone But Not Forgotten, Part 1 - gives perspective on how life was, here in southeastern Virginia, in the 1930's and 1940's. The teacher's guide includes individualized lesson plans for fourth, seventh, and eleventh grade, based on the Virginia SOL for Social Science.

Gone But Not Forgotten, Part 2 - When Anything Was Possible - takes you back to some of the people, places, and things that were popular in the local Southeastern Virginia area during the post-war '40s, '50s and early '60s. It was a time of rapid growth and progress in Hampton Roads. A time when the automobile replaced the streetcar, tunnels and bridges replaced the ferries, and the people in Newport News built the world's fastest ship. A time you could watch people being baptized in the river, you could take your date to a drive-in movie and eat at a drive-in restaurant. The "Norfolk Sound" was hot, and you could take a boat to Baltimore or a train to Chicago. Combining vintage films and photographs with interviews of the people who took an active role in shaping our local history, this program takes a look at some of the people, places, and things in Hampton Roads that are gone, but not forgotten.
The Guerilla Guide To Politics
Grades 6-12, 12/1-3 minute programs, PD&D Rights
Wednesday, March 10, 2:00-3:15 a.m.

The Guerilla Guide to Politics is a young person's guide to the democratic process. It consists of twelve 1-3 minute segments, in which the two narrators take a comic, irreverent approach to the voting system, describing to future voters exactly what they should know about registration, absentee ballots, primary elections, and the Electoral College, and hence equipping the next generation with the tools they need to become able citizens of the United States.

1.) Guerilla Guide To Politics
Introduces the Guide.

2.) Your Vote
Explains the importance of your vote and highlights moments in history when elections were changed by just a few votes.

3.) How To Register
Shows the registration process, explains the significance of political parties, and tells the requirements for voting.

4.) Find Out Who's Running
Demonstrates how to find out who is running in your area, and how to research candidates.

5.) When To Vote
Tells you who is up for office in a given year, and when primaries and Election Day are held.

6.) Ways To Vote
Fills in students about the systems of absentee ballots, early voting, and standard voting.

7.) Where To Vote
Tells students where voting booths can be located on Election Day, and when a provisional ballot can be used.

8.) What Will You Be Voting On?
The narrators explain when initiatives, referendums, and petitions are used, and how to request a sample ballot.

9.) Who To Vote For
Explains what to expect from a candidate, and what to watch out for.

10.) What To Expect
Shows the traditional ballot voting system and the new electronic voting machines.

11.) Who Wins?
Compares the Electoral College and the popular vote, and explains where both are used.

12.) Finding Out More
Demonstrates the usefulness of the internet, newspapers and the daily news as resources for learning more about voting.

Here & Then
WHRO
Grades 5-12, 30/1-2 minute programs, PD&D Rights
Wednesday, March 10, 3:15-4:00 a.m. #1-30

Hampton Roads is packed with history. WHRO tells it with Here & Then, an award-winning series of fast paced, information packed television features hosted by local historian John Quarstein. Through this series of one-minute vignettes, students gain perspective about the rich history of Hampton Roads through visits to Isle of Wight County, St. Luke's Church, Jamestown and Lincoln's visit to Ft. Monroe.

1.) Fort Monroe
2.) Jamestown
3.) Fort Boykin
4.) St. Luke's Church
5.) St. John's Church
6.) CSS Shenandoah
7.) CSS Florida
8.) CSS Tennessee
9.) CSS Atlanta
10.) Gunpowder Incident
11.) Wheelwright Shop
12.) Tuskegee Airmen
13.) African Americans In WWI
14.) Ft Monroe
14.) Casemate
15.) Old Quarters
16.) Chamberlain Hotel
17.) Old Point Comfort
18.) Christopher Newport
19.) Endview Plantation
20.) Matthew Jones House
21.) Ironclads
22.) Old Bay Line
23.) Lusitania
24.) Redoubt
25.) Battle Of The Capes
26.) Voyage
27.) Jamestown Beginnings
28.) First General Assembly
29.) Uprising
30.) Virginia Company

A History Of Black Achievement In America
2009-2010 PROGRAMS & SERIES

Grades 7-12, 8/30 minute programs, AL Rights
Wednesday, October 28, 2:00-4:00 a.m. #1-4
Thursday, October 29, 2:00-4:00 a.m. #5-8

This original, eight-part series documents Black Achievement in American history, its defining role in the growth of a country, and influence on current events. Presented by James Avery, the series highlights the many contributions of Black Americans that have influenced our culture, enriched our society with their achievements, and shaped the history of the United States. It's one of the least known stories in American history. It is the story of black achievement and accomplishment. Against all odds, American blacks have built their own institutions: families, schools, churches and...
against all odds, American blacks have created great art and science and fought heroically in every American war. Against all odds, black men and women have worked endlessly to secure their own freedom and equality. The untold story of blacks in America is a 350-year saga of incredible achievements. This is that story.

1.) Settling The New World And Founding The U.S. Of America

1619 – 1621
Blacks Arrive At Jamestown

1705
The Virginia General Assembly Passes The Slave Codes

1762
Entrepreneur Samuel Fraunces Opens New York City’s Most Cherished Revolutionary War Site

1770
Crispus Attucks And The Black Patriots

2.) Emergence Of The Black Hero

1772
Chicago Is Settled By Jean Dusable

1776
Lemuel Haynes Helps Lay The Foundation For Abolition

1791
The First Black Man Of Science, Benjamin Banneker, Surveys Washington, D.C.

1821
African Grove Theatre Founded In New York.

1822
Denmark Vesey And The Slave Revolts

1823
Legendary Mountain Man James Beckwourth Enters The Rockies

1849
Harriet Tubman Uses Underground Railroad To Become Free

3.) The Fight For Freedom

1851
Sojourner Truth Delivers Famous Ain’t I A Woman? Speech

1854
First Black University Founded: Lincoln University

1855
Frederick Douglass Publishes My Bondage And My Freedom

1857
Dred Scott Decision Helps Trigger The Civil War

1863
Lincoln Signs Emancipation Proclamation

1863
Black Regiment Storms Fort Wagner In The Civil War

1865 – 1869
13th, 14th And 15th Amendments Establish Civil Rights For All

4.) Blacks Enter The Gilded Age

1875
Robert Smalls, Former Slave, Elected To House

1878
The Black Cowboy And George Mcjunkin

1881
Booker T. Washington Opens Tuskegee Institute

1884
T. Thomas Fortune Prophesises The Long And Bitter Struggle For Equality

1887
Granville T. Woods, Called The ‘Black Edison,’ Patents The Induction Telegraph System

1893
Ida B. Wells-Barnett Crusades Against Black Lynching In America

1896
Plessy V. Ferguson Case Upholds Segregation

5.) The Foundation For Equality

1904
Scott Joplin & Ma Rainey Initiate The Merger Of Two Cultures

1909
Matthew Henson Discovers The North Pole

1909
W.E.B. Du Bois Founds The NAACP

1924
George Washington Carver Renaissance Man

1925
Alain Locke Leads Harlem Renaissance

1926
Satchel Paige Stars In The National Negro Baseball League

6.) Depression And War

1935
Mary Mcleod Bethune: American Woman Of The 20th Century
1936 – 1938
Jesse Owens And Joe Louis Debunk Hitler's Claim Of Aryan Superiority

1939
Hattie McDaniel Wins The Oscar

1940
First Black General, Benjamin O. Davis Sr., Is Stepping Stone To Desegregation Of U.S. Army

1943
Duke Ellington's Band Performs Black, Brown And Beige At Carnegie Hall

7.) Civil Rights

1950
Ralph Bunche Wins The Nobel Peace Prize

1950
Gwendolyn Brooks Becomes The First Black Recipient Of The Pulitzer Prize

1954
Brown V. Board Of Education Of Topeka, Kansas

1955
Rosa Parks Refuses To Give Up Her Seat To A White Passenger On A Montgomery Bus

1956
Althea Gibson, First Black Woman To Win A Tennis Grand Slam Event

1959
Lorraine Hansberry's Play 'A Raisin In The Sun Is Produced

1963
Martin Luther King Jr. Delivers His I Have A Dream Speech

8.) A New Age

1967
Muhammad Ali Refuses Induction Into The U.S. Army On Religious Grounds

1967
Thurgood Marshall, First Black U.S. Supreme Court Justice

1977
Alex Haley’s Roots: The Saga Of An American Family Appears On TV

2001
Colin Powell Appointed Secretary Of State

2004
Neil Degrasse Tyson Becomes Astrophysics' Superstar

In Our Aunties' Words
Grades 7-12, 1/25 minute program, PD&D Rights, http://www.pinoyproductions.com
Sunday, December 13, 2:30-3:00 p.m.

This program shows the trials and triumphs of Filipino and Filipino American generations coming together to preserve and honor the history of those who helped forge opportunities in Hampton Roads. This documentary is about the making of the book "In Our Aunties’ Words". This community oral history project consisted of interviews, conducted by high school students and young Filipino professionals from the community, with Filipino American women about their memories of immigration, integration and survival in a new land.

Jamestown: Founding Of A Nation
Grades 6-12, 1/30 minute program, PD&D Rights, http://www.jamestown2007.org
Tuesday, March 16, 2:00-2:30 a.m.

The program, written by renowned historian John V. Quarstein and narrated by National Public Radio’s Clay Jenkinson, will follow a family taking a tour of the Jamestown Settlement, Living History Museum. Through the eyes of our gallery visitors, the viewers will be drawn into the life and times of the first permanent English settlers in America.

Kent State
Grades 9-12, 1/60 minute program, PD & D Rights
Tuesday, May 4, 3:00-4:00 a.m.

This program takes a look back at the events and personalities of the participants of the controversial events of the May 4, 1970 shootings at Kent State University by National Guard Troops. Students who were on the campus that day chronicle the events of that day. H 6.7, 6.8, 6.10, 9.10, 9.11, 11.12, 11.14, 11.17, 11.18

Kingdom By The Sea: Fortress Monroe

Grades 5-12, 1/60 minute program, PD&D Rights
Thursday, March 18, 3:00-3:30 a.m.

“It was many and many a year ago, in a kingdom by the sea...” begins Edgar Allan Poe’s poem, “Annabel Lee.” Poe was stationed at Fort Monroe during his tenure in the military and returned later in life, seeking repose at the Hotel Hygeia. It’s said that the inspiration for “Annabel Lee” came from his time at Fort Monroe.

Named Point Comfort in 1607 by the Jamestown colonists, the site has played a significant role in American history. Throughout the colonial period, a series of fortifications guarded the Hampton Roads waterways, but none lasted long until the impregnable Fort Monroe was built between 1819 and 1834.

Currently serving as a U.S. Army Training Doctrine and Command, the Department of Defense and the Base
Realignment and Closure (BRAC) Commission has ordered Fort Monroe closed by 2011.

A state appointed Federal Area Development Authority or FADA has been authorized to decide the future of Fort Monroe, but a passionate community debate rages. Should it be Hampton Roads’ hottest new urban village, a retreat for veterans, a green business park for think tanks and clean companies, or a National Park?

**My America**

Grades 1-6, 12/17 minute programs, AL Rights
Tuesday, January 26, 2:00-4:00 a.m. #1-6
Wednesday, January 27, 2:00-4:00 a.m. #7-12

My America combines elements of traditional civics and social science curricula with techniques and activities that encourage children to participate actively in their schools and local communities, and to experience the democratic process. The series innovatively explores the basics of American government: how laws are made, ideals of a democratic government, and the rights and responsibilities of citizens in a democracy.

America is defined not as the traditional melting pot but as a country rich in diversity and community. A program for adults explores the importance of community involvement in schools and the Professional Development program provides ideas about the importance of teaching and acknowledging multiculturalism in the classroom.

1.) What Is A Flag?  
   H 1.15, 2.9, 3.11, 4.7

2.) A Pledge Is A Promise  
   E 1.12, 2.9, 3.7, 3.10, 4.7, 4.9; H 1.13, 2.9, 3.11, 3.12, 4.7

3.) Neighborhood & Community  
   H 1.13, 2.9, 3.13, 4.7

4.) Liberty & Justice  
   H 3.3, 3.4, 3.12, 3.13, 4.5, 4.7, 5.4, 5.5, 6.11

5.) What Is An American?  
   H 3.3, 4.1, 5.1, 5.10, 6.1, 6.11

6.) The Story Of The National Anthem  
   H 3.11, 4.7, 5.3

7.) What Is A Democracy?  
   H 3.11, 3.12, 3.13, 4.3, 5.4, 5.5, 6.3

8.) Becoming An Active Citizen  
   H 3.1, 3.12, 4.3, 5.10, 6.7

9.) How Our Laws Are Made  
   E 3.2, 4.1, 4.2, 5.1, 5.3, 6.1; H 3.12, 4.7, 5.4, 5.5, 6.8

10.) Rights & Responsibilities  
      H 3.12, 3.13, 4.4, 5.4, 5.5, 6.10

11.) Parents, Teachers & Community: Working Together

12.) Teaching In A Multicultural Society

**Native Americans**

Grades 5-12, 5/16-21 minute programs, PD & D Rights
Wednesday, March 24, 2:00-3:40 a.m. #1-5

This series introduces students to the Native American cultures by regions. Each program through stunning live action cinematography shows the continuity of customs, cultures, and history of each region. H 2.3, 5.1, 11.1

1.) Indians Of California

2.) Indians Of The Northwest

3.) Indians Of The Plains H 3.3, 5.2

4.) Indians Of The Southeast H 3.3, 4.1, 5.2

5.) Indians Of The Southwest H 5.2

**Norfolk 17: Their Story**

Grades 5-12, 1/60 minute program, PD&D Rights
Thursday, March 18, 2:00-3:00 a.m.

They were just teenagers who wanted a chance at a better education. But in 1959 Norfolk, that was a problem. African-American students weren’t allowed to go to historically white schools. Until the landmark Brown v. Board of Education decision opened the door for them by striking down the doctrine of “separate but equal.” But it still took years of legal wrangling before any of the Norfolk 17 set foot into an integrated classroom.

Then they were intimidated, threatened, cursed and subjected to all manner of racial animosity. But the persevered…and ultimately graduated from high school, earning a place at the table of better education for the African-American students who came after.

Fast forward 50 years: for the first time ever, the Norfolk 17 came together as a group at WHRO to share the heartbreaking, heartwarming stories of their experiences during that horrible time in our history.

**Shaping The World: Conversations On Democracy**

Grades 4-12, 9/60 minute programs, PD&D,  
http://www.poplarforest.org/programs/democracy

Tuesday, March 23, 2:00-3:00 a.m. #9 [PREMIERE]

Wednesday, May 5, 2:00-4:00 a.m. #1-2
Thursday, May 6, 2:00-4:00 a.m. #3-4
Tuesday, May 11, 2:00-4:00 a.m. #5-6
Wednesday, May 12, 2:00-4:00 a.m. #7-8
Thursday, May 13, 2:00-3:00 a.m. #9
In this interchange between Jefferson and Lafayette, students will have the opportunity to learn more about the men, and their opinions on a variety of democratic issues, their work on the American Declaration of Independence and the French Declaration of the Rights of Men and of the Citizen and their views and concerns for their respective countries.

3.) The Object Of Our Mission
In this interchange with President Jefferson and Captain Meriwether Lewis, students have the opportunity to learn more about the extraordinary journey into what Jefferson called the "Mysterious West."

E 4.3, 4.5, 4.6, 4.7, 5.1, 5.3, 5.4, 5.7, 5.8, 6.5, 6.6, 7.6, 7.7, 10.11, 8.1, 8.2, 8.6, 11.10, 9.2, 9.4, 9.6, 10.1, 10.7, 11.4, 11.7; M 4.10, 4.11, 4.13, 4.19, 5.11, 5.18, 6.2, 6.10, 6.18, 6.20, 7.1, 7.6, 7.18; S 4.1, 4.4, 4.5, 4.6, 5.1, 5.7, 6.1, 6.6, ES.1, ES.3, ES.4, ES.5, ES.6, ES.13

4.) The Presidential Debate Of 1804
In this program, students will have the opportunity to learn more about the 1804 candidates, the political issues of the time, the events of the day and other concerns of the country as Thomas Jefferson, Charles Cotesworth Pinckney and their vice presidential running mates present their credentials and platform for consideration for the highest offices of the country.

VS.1, VS.2, VS.3, VS.4, VS.5, VS.6, USI.1, USI.2, USI.5, USI.6, CE.1, CE.2, CE.3, CE.4, CE.5, CE.6, CE.7, CE.8, CE.10, CE.11, WHI.6, WHI.8, WG.1, WG.2, WG.3, WG.6, WG.8, WG.10, WG.11, WG.12, USI.2, USI.6, GOVT.1, GOVT.2, GOVT.3, GOVT.14, GOVT.16, GOVT.17, GOVT.18, VUS.1, WHI.6

5.) Thomas Jefferson Talks With George Washington
In this interchange between Jefferson and Washington, students will have the opportunity to learn more about the men, their opinions on a variety of democratic issues, their views on women and slavery, Washington's Presidency and their innovative farming practices on their plantations.

VS.1, VS.4, VS.5, VS.6, USI.1, USI.5, USI.6, USI.7, USI.8, CE.1, CE.2, CE.3, CE.4, CE.5, CE.6, CE.7, CE.8, CE.9, WG.1, WG.2, WG.3, WG.10, WG.12, USI.4, USI.5, USI.6, GOVT.1, GOVT.2, GOVT.3, GOVT.4, GOVT.5, GOVT.6, GOVT.7, GOVT.8, GOVT.9, GOVT.10, GOVT.11, GOVT.12, GOVT.17, GOVT.18, VUS.1

6.) Thomas Jefferson In Conversation With Napoleon Bonaparte
Jefferson and Napoleon explore the roles of democratic principles and dictatorship. Students learn more about these two men, their early years, education, careers, the American and French Revolutions, their thoughts on democracy and dictatorship, and their views on their country's future.

DS.5, 5.1, 5.2, 5.3, 5.4, 5.7, 5.9, 6.9, 7.1, 7.2, 7.3, 7.6, 7.7, 7.8, 8.1, 8.2, 8.3, 8.6, 9.2, 9.4, 9.6, 9.9, 10.1, 10.7, 10.11, 11.1, 11.4, 11.7, 11.10, 12.1, 12.7, 12.8

7.) Thomas Jefferson And Aaron Burr - People, Places, Politics
Students from Appomattox Middle School confront these two men, seeking to find answers that give us insight into their lives, their roles in the American Revolution and the new government, and into the dark days known as The Burr Conspiracy.

VS.1, VS.4, VS.5, VS.6, VS.10, USI.1, USI.2, USI.5, USI.6, USI.7, CE.1, CE.2, CE.3, CE.4, CE.5, CE.6, CE.7, CE.8, CE.10, CE.11, CE.12, WHI.6, WHI.7, WHI.8, WG.1, WG.10, WG.11, WG.12, USI.2, USI.3, USI.4, USI.5, USI.6, GOVT.1, GOVT.2, GOVT.3, GOVT.14, GOVT.16, GOVT.17, GOVT.18, VUS.1, WHI.6

8.) Thomas Jefferson And Dolley Madison
Gregarious Dolley will exert her grace and charm on Mr. Jefferson and students from Natural Bridge Elementary School as they converse on topics from Jefferson's presidency to the society of Washington City to "The great little Madison" as Dolley once referred to her husband.

VS.1, VS.4, VS.5, VS.6, VS.10, USI.1, USI.2, USI.5, USI.6, USI.7, USI.8, USI.1, CE.1, CE.2, CE.3, CE.4, CE.5, CE.6,
Eighth grade students from Woodrow Wilson Middle School have taken up the challenge to learn more about these two extraordinary men. The students’ interview topics for Thomas Jefferson and Charles Willson Peale range from art, science, archaeology, natural history, inventions, family, education, and American independence.

VS.1, VS.4, VS.5, VS.6, VS.10, USI.1, USI.2, USI.5, USI.6, USI.7, USI.8, USI.11, CE.1, CE.2, CE.3, CE.4, CE.5, CE.6, CE.12, WHII.6, WHII.7, WHII.8, WG.2, WG.12, VUS.1, VUS.4, VUS.5, VUS.6, GOVT.1, GOVT.2, GOVT.3, GOVT.4, GOVT.5, GOVT.6, GOVT.7, GOVT.8, GOVT.9, GOVT.10, GOVT.11, GOVT.12, GOVT.13, GOVT.14, GOVT.15, GOVT.16, GOVT.17, GOVT.18

S 4.1, 4.6, 5.1, 5.5, 6.1, LS.1, LS.5, LS.14, PS.1, ES.1, ES.3, ES.10, BIO.7

VA 4.1, 4.3, 4.14, 4.16, 4.17, 4.18, 4.25, 5.17, 5.18, 5.19, 5.24, 6.11, 6.14, 6.17, 6.20, 7.22, 7.23, 8.21, AI.17, Al.19, Al.21, All.18, All.22, All.31, AIII.10, AIV.9

Snippets Of Learning
Grades 4-6, 1/30 minute program, PD&D Rights
http://www.fcps.k12.va.us/fairfaxnetwork/
Thursday, March 25, 3:15-3:45 a.m.

History comes alive as the people of America’s past come to life to tell their unique and powerful stories. This series of historical snapshots—each designed to stand alone—targets significant events in history. The short video segments can be used to introduce a unit of study or serve as a review tool.

Standing Up For Freedom: The Civil Rights Movement In America  *PREMERING SERIES*
Grades 4-6, 4/16 minute programs, AL Rights
Wednesday, September 23, 2:00-3:20 a.m. #1-4
Wednesday, March 3, 2:00-3:20 a.m. #1-4

From the fight to abolish slavery in the 18000’s to the efforts to stop segregation in the 1900’s, this series chronicles the civil rights movement in America. Students will learn about the courageous leaders of the civil rights movement who led the fight for freedom and fairness for all Americans. Viewers will come to understand the important Supreme Court battles and major civil rights events that changed lives of everyone in the United States. Students will learn how people, working together in a non-violent way, can change unfair laws and make America a better place for everyone to live.

1.) The Beginning Of The Civil Rights Movement
2.) A Segregated America
3.) Non-violent Protests For Civil Rights
4.) Equal Rights For Everyone

Untold Stories From America’s National Parks  *PREMERING SERIES*
Grades 5-12, 5/10-15 minute programs, PD&D Rights
Tuesday, September 22, 2:00-3:15 a.m. #1-5
Thursday, October 1, 2:00-3:15 a.m. #1-5
Tuesday, March 2, 2:00-3:15 a.m. #1-5

1.) City Kids In National Parks
Explores National Park Service efforts to bring inner city kids into the parks, often for their first encounters with wilderness. The film tells the story through the lens of two programs — Biscayne National Park, a successful, well-established program working with fifth graders from greater Miami, and Death Valley National Park, a new program working with seventh grade students from Las Vegas — and is underpinned by the kids themselves: what they’re learning about the earth, about teamwork, and about themselves.

2.) Manzanar: “Never Again”
Looks at the interconnected stories of Japanese internment during World War II, Sue Kunitomi Embrey’s efforts to commemorate the Manzanar internment camp, and the ongoing work of Manzanar National Historic Site to educate visitors about civil rights. At the heart of the film are the site’s annual pilgrimage and the words of Sue Embrey, who speaks movingly about protecting all citizens’ rights, especially in times of national crisis.

3.) Mount Rushmore: Telling America’s Stories
Focuses on the new interpretive program at Mount Rushmore National Memorial, spearheaded by Supt. Gerard Baker. In addition to telling the traditional stories of the carving of the mountain and of the four presidents memorialized there, the program now highlights the stories and cultures of all Americans, including American Indians, imparting a more complex and complete understanding of the National Parks and the legacies they protect.

4.) San Antonio Missions: Keeping History Alive
Centers on San Antonio Missions National Historical Park. A thriving hub for the city’s Latino community, the park hosts Spanish- and English-language masses throughout the week, celebrates traditional Hispanic festivals year-round and educates more than 50,000 school children annually about our nation’s Hispanic heritage.

5.) Yosemite’s Buffalo Soldiers
Highlights the work of Yosemite ranger Shelton Johnson and his rediscovery of the story of the African American soldiers who patrolled the parks of the High Sierra at the turn of the last century. Shelton tells the story in the dramatic persona of a Buffalo Soldier himself in a way that is immediate and often high impact.

U.S. – That’s US!
Grades K-2, 6/7 minute programs, PD & D Rights, Master Teacher Choice
Thursday, February 18, 2:30-3:45 a.m. #1-5

A series developed under the direction of Virginia’s Public
Television Stations and their RSCPCs to directly correlate with primary history SOLs.

1.) Paul Revere & His Ride H K.1, K.3 1.2, 2.9
2.) Johnny Appleseed H K.1, K.2, K.3, 1.1, 1.2, 2.9
3.) Harriet Tubman H K.1, K.7, 1.1, 1.2, 2.9
4.) Susan B. Anthony H K.1, K.7, 1.2, 2.9, 2.1
5.) Jane Addams H K.1, K.7, 1.2, 2.9
6.) George Washington Carver H K.1, K.7, 1.2, 2.9, 2.10

Virginia Pathways

Grades 4-5, 5/18-20 minute programs, PD & D Rights, http://www.vastudies.org
Thursday, February 4, 2:00-3:40 a.m. #1-5

This series was created by The Virginia History Consortium, thirty-four member school districts and other educators from Virginia and is designed to teach Virginia history and correlate with the Standards of Learning.

1.) Taxes & Transportation
   A soccer coach and mom are discussing filing their taxes following a soccer practice and how they might use their refunds for vacations. The children hear about the connection of taxes to highway construction and explore various places to visit in Virginia during their soccer tournaments and upcoming vacation possibilities. They create vacation budgets, discover how native American trails evolved into roads and highways, and the importance of geography and economics in the development of Virginia pathways. H 4.5, 4.6, 4.7

2.) Making The Move
   It's moving day for the Miller family! Kim and Marcus stop by to help Tony and Kelly finish packing for their big move across the state. While up in the attic, the kids find old artifacts and antiques - each one leading into a tale of Virginia history. The kids, soon joined by Mrs. Miller, learn about the history of migration, transportation, and industry in Virginia - from the time of the Jamestown settlers, up to the present! Although the kids aren't too happy about the move, Mrs. Miller explains reasons for families migrating throughout Virginia. During their short time in the attic, the kids learn about the pathways of migration, industry, and transportation within Virginia - and how they have helped the Commonwealth to continue to grow and thrive. H 4.2, 4.3, 4.5, 4.6, 4.7

3.) Virginia Government
   This twenty-minute episode focuses on Virginia Government, with emphasis on the people that made significant impact on how the government evolved in the history of Virginia. In addition, attention is given to primary documents that affect the foundation and implementation of government from colonial times to the present. The program concludes by explaining the current framework of government in the Commonwealth including a discussion of the roles of the three branches. H 4.3, 4.4, 4.5, 4.6

4.) Civil Rights Part 1
   The fourth program in the series focuses primarily on Civil Rights in Virginia prior to Reconstruction. H 4.1, 4.2, 4.3, 4.11

5.) Civil Rights Part 2
   In preparation for "Living History Day" in school, grandparents share their life experiences and early history of African Americans, primarily focusing on Civil Rights from Reconstruction through the 20th Century. The program examines the impact of segregation and Jim Crow laws, desegregation, massive resistance, and prominent civil rights events, highlighting prominent African American Virginians (such as Arthur Ashe, Maggie Walker and L. Douglas Wilder). H 4.5, 4.6, 4.7

We The People...The U.S. Constitution & You

Grades 5-12, 1/24 minute program, PD&D Rights, www.citizenawareness.org
Thursday, January 28, 3:35-4:00 a.m.

This video presentation explains the principles of the Constitution and how it affects the lives of Americans. We The People...The U.S. Constitution And You features and is narrated by Caroline Kennedy, author of In Our Defense: The Bill of Rights in Action and daughter of President John F. Kennedy.
### GED Fast Track
Adult, 7/30 minute programs, L Rights, http://www.pbs.org/literacy

**Monday & Wednesday**
September 21-October 12, 5:30-6:00 a.m., March 22-April 26, 5:30-6:00 a.m., April 28-May 19, 5:30-6:00 a.m.

**Tuesday & Thursday**
September 22-October 13, 5:30-6:00 a.m., March 23-April 27, 5:30-6:00 a.m., April 29-May 20, 5:30-6:00 a.m.

1.) **GED Orientation**  
   September 21 & 22, March 22 & 23, April 28 & 29

2.) **Passing The GED Writing Test**  
   September 23 & 24, March 24 & 25, May 3 & 4

3.) **The GED Essay**  
   September 28 & 29, April 12 & 13, May 5 & 6

4.) **Passing The GED Reading Test**  
   September 30 & October 1, April 14 & 15, May 10 & 11

5.) **Passing The GED Social Science Test**  
   October 5 & 6, April 19 & 20, May 12 & 13

6.) **Passing The GED Science Test**  
   October 7 & 8, April 21 & 22, May 17 & 18

7.) **Passing The GED Math Test**  
   October 12 & 13, April 26 & 27, May 19 & 20

### GED Connection
Adult, 39/30 minute programs, AL, http://litlink.ket.org/  
Monday & Wednesday, October 14-March 17, 5:30-6:00 a.m.  
Tuesday & Thursday, October 15-March 18, 5:30-6:00 a.m.

The GED Connection series helps adults prepare to take the new GED test. The 39 half-hour lessons cover every area of the test including: Reading, Math and Writing with an emphasis on critical thinking skills. Learners can take a free online pretest at http://litlink.ket.org to see where they need to study in each of the five GED content areas, and then go right to the Internet activities that will help most. Potential students can call 1-800-237-0178 for more information.

1.) **GED Orientation**  
   October 14 & 15

**Language Arts: Writing**

2.) **Passing The GED Writing Test**  
   October 19 & 20

3.) **Getting Ideas Down On Paper**  
   October 21 & 22

4.) **The Writing Process**  
   October 26 & 27

5.) **Organized Writing**  
   October 28 & 29

6.) **Writing Style & Word Choice**  
   November 2 & 3

7.) **Effective Sentences**  
   November 4 & 5

8.) **Grammars & Usage**  
   November 9 & 10

9.) **Spelling, Punctuation & Capitalization**  
   November 11 & 12

10.) **The GED Essay**  
    November 16 & 17

**Language Arts: Reading**

11.) **Passing The GED Reading Test**  
    November 18 & 19

12.) **Nonfiction**  
    November 30 & December 1

13.) **Fiction**  
    December 2 & 3

14.) **Poetry**  
    December 7 & 8

15.) **Drama**  
    December 9 & 10

**Social Studies**

16.) **Passing The GED Social Studies Test**  
    December 14 & 15

17.) **Themes In U.S. History**  
    December 16 & 17

18.) **Themes In World History**  
    January 4 & 5

19.) **Economics**  
    January 6 & 7

20.) **Civics & Government**  
    January 11 & 12

21.) **Geography**  
    January 13 & 14

**Science**

22.) **Passing The GED Science Test**  
    January 18 & 19

23.) **Life Science**  
    January 20 & 21
TV 411

Adult, 30/30 minute programs, AL Rights,
http://www.tv411.org
Friday, September 25-May 21, 5:30-6:00 a.m.

Strengthen reading and writing skills, and make sense of math! TV411 is an exciting video series for adult learners using real-life topics to teach pre-GED level basic skills. This indispensable learning tool is packed with expert advice and proven tips to promote active learning.

The Emmy award winning series TV 411 focuses on parenting, money matters, and health. Subjects include reading comprehension, research techniques, writing to others, filling out forms, calculating percentages, using fractions, test taking, and more. The series teaches life skills in a manageable, lively format. Fictional and real-life personalities host segments: Dennis Franz from NYPD Blue explains how to read a newspaper article. A WNBA star and new mom offers advice on time management. Famous authors share their love of reading and writing. A cast of entertaining characters covers the math and literacy topics of everyday life. And real adult learners tell how they acquired literacy skills to become better parents, employees, and lifelong learners.

1.) TV 411-Episode 1
   Friday, September 25

   Question Man (Joey Kola) uses the thesaurus to find synonyms; slam poet and educator Stephen Colman illustrates synonyms and antonyms using slam poetry; Laverne (Liz Torres) helps a co-worker figure out the percentage of her pay taken out in taxes; job seekers create a dossier to help with their job hunt; and in "Milestones," Nashville’s auto mechanic Dallas Farmer reveals his struggles and triumphs. Also Michael Franti of the Bay Area band Spearhead describes his songwriting techniques.

2.) TV 411-Episode 2
   Friday, October 2

   The Dallas Cowboys use football to figure out decimals and percentages, Agent Know How investigates the library and gets a library card, and New Mexico’s famed poet Jimmy Santiago Baca tells how he discovered the power of language while he was in prison and also leads a group of El Paso adult learners in a seminar on the power of writing. Question Man asks "Where do you put the apostrophe?"

3.) TV 411-Episode 3
   Friday, October 9

   Job seekers prepare for filling out applications by creating a personal data sheet; singer/songwriter Phoebe Snow shares
thoughts on her writing process and her music, and in “Lifelines,” a parent learns how to document her child's illness and treatment by creating a medical bible documenting his medical history.

4.) TV 411-Episode 4
Friday, October 16

Kathy Bates reflects on books that have been made into movies; in “Milestones,” a woman from Pittsburgh tells her story of learning and reaching her goal of being a travel agent, and TV411’s “Book Club” reads Laura Esquivel's Like Water for Chocolate; and actor Malik Yoba shares his secrets on how to keep a journal in the “Street Beat” segment.

5.) TV 411-Episode 5
Friday, October 23

TV411’s “Book Club” reads Maya Angelou's I Know Why the Caged Bird Sings; Agent Know How gets the information he needs from the library, and Laverne (Liz Torres) helps a new father of triplets multiply his shopping list. “Lifelines” teaches how to prepare for doctors' visits.

6.) TV 411-Episode 6
Friday, October 30

Question Man shows viewers the right way to take a phone message; Laverne (Liz Torres) helps a pair of shoppers get the best deal when buying a TV; New York-based pop/rock band BETTY teaches homonyms; a group of job seekers learn how to craft their resume; and “Milestones” puts the focus on Pat Blackwell of Indiana who explains how going to school later in life enabled her to become a nurse and support her family.

7.) TV 411-Episode 7
Friday, November 6

Late Olympian Florence Griffith Joyner introduces champion ice skaters Tai Babalonia and Randy Gardner who use their talent to calculate an average; animated segment “Dictionary Cinema” shows you how to look up a word; “Milestones” features New York artist Esperanza Cortez who shares her battle with dyslexia.

8.) TV 411-Episode 8
Friday, November 13

Job seekers work on writing noteworthy cover letters; Laverne (Liz Torres) helps a shopper deal with diabetes and food labels; and “Dictionary Cinema” shows you how to look up a word that you do not know how to spell.

9.) TV 411-Episode 9
Friday, November 20

Agent Know How uses the library’s computer to look up a book; a parent tells of the joy of reading to his kids and gives you tips on how to do it well; and TV411’s “Book Club” reads Angela's Ashes and meets the book's Pulitzer Prize-winning author, Frank McCourt.

10.) TV 411-Episode 10
Friday, December 4

A young couple from Seattle with credit card debt visits a credit counselor to create a budget, learn how to clip coupons, and manage their money; “America's Smartest Moves,” hosted by America's Funniest Videos star John Fugelsang looks at the fine print on those "too good to be true" credit card offers; in a commercial parody “Rip Off” looks critically at a television offer; and “Book Club” puts the spotlight on Studs Terkel who reads from his book Working.

11.) TV 411-Episode 11
Friday, December 11

Salsa musician and songwriter Ruben Blades talks about his writing process and shares some of his music, “Milestones” goes to El Paso, where a mother enters the Even Start program and learns that she can bring her family closer together by improving her reading and writing skills; and Question Man (Joey Kola) learns some tips for taking tests.

12.) TV 411-Episode 12
Friday, December 18

Laverne (Liz Torres) helps a young man write a card to his girlfriend; parents go through the process of choosing a school for their child; and bluegrass singer and songwriter Hazel Dickens shares her music and her writing tips.

13.) TV 411-Episode 13
Friday, January 8

Members of the WNBA's Detroit Shock use basketball to figure out fractions and percentages; in “Lifelines,” new immigrants get advice on completing a citizenship application; Laverne (Liz Torres) helps a customer fill out a store's credit card application; and "Milestones" features Resonja Willoughby from Oakland, CA, who shows viewers how writing a letter can generate change in your community.

14.) TV 411-Episode 14
Friday, January 15

On Lifelines, a son writes an emotional letter to his estranged father; Dictionary Cinema explains how foreign words are listed in the dictionary; Milestones profiles a San Francisco/Bay Area adult learner, Enrique Ramirez, who shares his continuing education with his employer; Street Beat gives tips on highlighting text; and on Sports Smarts, NBA Atlanta Hawks players LaPhonso Ellis and Alan Henderson demonstrate how to figure out time and distance on a map when planning a trip. Plus, a pop quiz about word origins, and Buzzword explains the word “reconcile.”

15.) TV 411-Episode 15
Friday, January 22

Question Man (Joey Kola) uses the library to find books to help raise his teenage son; Laverne (Liz Torres) explains how to use a glossary when reading a health insurance plan, Street Beat gives a tip on figuring out a tip in a restaurant; on Lifelines, a mother and daughter create a schedule to make
sure there's time for homework, chores and activities; on Write Now with Jimmy Santiago Baca, the award-winning poet and TV411 contributor shows a group of adults how to keep a daily journal. Plus, a pop quiz about appliances, and Buzzword explains the word "stereotype."

16.) TV 411-Episode 16
Friday, January 29
Question Man (Joey Kola) visits a rent-to-own store and figures out if it's better to rent or own a washing machine; on Sports Smarts, WNBA Utah Starzz player, Olympia Scott-Richardson, shows how she uses a day planner to manage her time and activities; on Street Beat, "NYPD Blue" Dennis Franz gives a tip on reading the newspaper; Laverne (Liz Torres) helps a customer estimate the cost of a painting job and how to figure out the take home pay; and on Words Behind the Music, singer/songwriter Toshi Reagon writes a song on the spot especially for TV411. Plus, a pop quiz about credit card debt, and Buzzword explains the word "analogy."

17.) TV 411-Episode 17
Friday, February 5
Lifelines shows a couple who are eager to buy their first home how to read a mortgage chart; Dictionary Cinema explains how to use a thesaurus, Question Man (Joey Kola) figures out how to understand the graphs and numbers on his utility bill, Street Beat gives a tip on evaluating written information; and Milestones profiles four Long Beach, California students who call themselves "The Freedom Writers," and use pen and paper to fight prejudice and intolerance. Plus, a pop quiz about volunteering, and Buzzword explains the word "anomaly."

18.) TV 411-Episode 18
Friday, February 12
Question Man (Joey Kola) learns that you don't need a college education to read a big city newspaper; ABC's Good Morning America news anchor Antonio Mora hosts a report on multiple intelligences on Straight to the Source; Street Beat gives a tip on finding government listings in the phone book; former Olympian and tennis pro, Zina Garrison, explains percentiles and ranking on Sports Smarts; and on Write Now with Jimmy Santiago Baca, the award-winning poet and TV411 contributor, shows a group of adults how to summarize a poem. Plus, a pop quiz about the US Census and Buzzword explains the word "dynamics."

19.) TV 411-Episode 19
Friday, February 19
ABC's Good Morning America news anchor Antonio Mora hosts a report on different learning styles on Straight to the Source; Milestones profiles a Baltimore, Maryland based steel worker, John Deitsch, and his continuing quest to pass the G.E.D; Street Beat offers a tip on how to summarize almost anything; Laverne (Liz Torres) explains how to understand and use the unit price labels on store shelves; and on Write Now with Jimmy Santiago Baca, the award-winning poet and TV411 contributor shares his own personal learning journey and how he came "into language." Plus, a pop quiz about adults in college, and Buzzword explains the word "marginalized."

20.) TV 411-Episode 20
Friday, February 26
Laverne (Liz Torres) shows a customer how to understand probability and odds when it comes to reading a brochure on breast cancer; Dictionary Cinema explains how the same word can have different meanings; Milestones profiles North Carolina based author Elizabeth Daniels Squire and how she has written eight best-selling novels, despite the fact that she's dyslexic; Street Beat gives a tip on learning new words and how to remember them; and ABC's Good Morning America news anchor Antonio Mora hosts a report on dyslexia. Plus, a pop quiz about water and the human body, and Buzzword explains the word "genetics."

21.) TV 411-Episode 21
Friday, March 5
Sports Smarts features Olympic medalist Marian Jones running through the concept of rate; a new strand introduces two math-savvy Calculating Women who take charge of an overweight friend's calorie-counting; a Lifelines segment explores smart ways to manage multiple medications; Straight to the Source asks mind mentor Michael Gelb to demonstrate an innovative technique for improving memory; Michael Beech of TV's Third Watch offers tips for handling an emergency. In the backseat of a stretch limo, Question Man (Joey Kola) gets financial advice from a millionaire; in Lifelines, an entrepreneurial teenage parent gets help starting up a small lolipop business as he pursues his GED; those math-savvy Calculating Women estimate and calculate their way to an affordable cell phone plan; Straight to the Source asks a federal con-buster to reveal the math behind money scams.

22.) TV 411-Episode 22
Friday, March 12
A Lifelines segment presents strategies for reading comprehension on the GED; a new strand, Math Behind the Arts, features TV chef Curtis Aikens explaining ratios and cooking; a Milestones portrait traces how one man left prison and low literacy behind; TV411's revamped Book Club finds out what happens when an entire Midwestern town reads the same novel.

23.) TV 411-Episode 23
Friday, March 19
Question Man figures out how to decipher legalese; a Milestones portrait shows how an out-of-work Appalachian coal miner succeeded in changing careers; TV411's math-minded Calculating Women explore strategies for building up retirement savings; Math Behind the Arts features a New York City artist who works with clay and the formula for area when she makes tiles for the subway.
25.) TV 411-Episode 25  
Friday, April 16

Math mavens Calculating Women offer tips on how to avoid credit card debt; Milestones focuses on a New York man who, despite a reading disability, teaches others how to pass motor vehicle exams; Laverne (Liz Torres) dispenses sound advice about reading over-the-counter medicine labels and following prescriptions; on Sports Smarts, three well-traveled Harlem Globetrotters demonstrate how to read a world map.

26.) TV 411-Episode 26  
Friday, April 23

A Milestones portrait traces an African immigrant’s struggles as she learns to read and raise a family in America; Laverne helps a young parent find ways to childproof her home; on Lifelines, an African-American woman shows how she researches her family roots over the Internet and in the field; and for Book Club, hip-hop star Doug E. Fresh teaches parents and children how to rap and rhyme while they read.

27.) TV 411-Episode 27  
Friday, April 30

Question Man tackles sentence fragments in a grammatically-correct dream; on Write Now, poet Jimmy Baca conducts a dynamic writing workshop with steelworkers; Laverne helps a co-worker create an outline for a GED essay on disciplining children; Straight to the Source takes us behind the scenes at the popular Bernie Mac show for a peek at a professional brainstorming session.

28.) TV 411-Episode 28  
Friday, May 7

Newly-minted writer Kathi Wellington enlivens a Milestones segment with her vivid stories of being a female steelworker; Math Behind the Arts visits origami artist June Sakamoto for a lesson on basic geometry; a TV411 Special invites parents and children to interpret art and symbolism at a Philadelphia museum; On Words Behind the Poetry, Broadway performers from Russell Simon’s Def Poetry Jam demonstrate how writing poetry can be hot and cool.

29.) TV 411-Episode 29  
Friday, May 14

Math Behind the Arts asks a professional drummer and dancers from the Broadway hit, "Forty-Second Street," to demonstrate fractions in action; on a TV411 Special, a female carpenter shows how math and measurement are critical to her work; Sports Smarts taps the expertise of Mets pitcher Al Leiter on the perimeter of a baseball diamond; Laverne explains the concept of percentages and multiple markdowns to bargain-hunting patrons of the Big Store.

30.) TV 411-Episode 30  
Friday, May 21

Question Man gets the scoop from a former reporter on how to read between the lines; Straight to the Source looks over the shoulder of political cartoonist Don Margolies as he practices the art of satire; a Sports Smarts segment shows how DC United soccer star Nick Rimando uses computers and the Net while he’s on the road; Book Club visits a special class in New York where workers learn about the history of the Depression through Dorothea Lange’s celebrated photographs.

WHRO  
PARENT TRAININGS

Helping Hampton Roads families in high-need situations develop the skills they need to help their children with early language development and literacy through ANYTIME IS LEARNING TIME training.

Reading Rockets

Features information on how children learn to read and what children should be able to do during certain stages of development. Ideas on what parents can do at home.

Focuses on language development. Helps parents realize how reading, talking, singing, and just playing with children can help enhance literacy skills.

For more information contact:  
Martha Razor at 757.889.9112 or via email at martha.razor@whro.org
Remember how kids used to play outside every day, running thorough the neighborhood until sunset? In this episode of EcoSense for Living we explore “nature deficit disorder,” a term coined by Richard Louv (author, Last Child in the Woods), to describe the physical, mental, and emotional effects that children suffer when they lose contact with nature. Richard pinpoints how we came to be a nation separated from the natural world and how we can reverse it.

We’ll also hike with psychologist, Dr. David Busch, who uses nature therapy to help kids with ADD and ADHD. Then we’ll experience how urban communities reconnect kids to nature through gardening, beekeeping, and creating safe untamed places where kids can still run wild. Find out how you can reconnect kids to their natural roots in your part of the world. Hosted by Jennie Garlington.

Education News Parents Can Use

Education News Parents Can Use focuses on schools, learning and the No Child Left Behind Act. Education News offers parents and anyone else with an interest in education vital information about getting involved in children's learning. Find out ways to improve teaching and learning in schools and in the home. The programs are available live and archived at http://www.connectlive.com/events/ednews

September 2009
Sunday, September 27, 2:00-3:00 p.m.

October 2009
Sunday, October 25, 2:00-3:00 p.m.

November 2009
Sunday, November 22, 2:00-3:00 p.m.
December 2009
Sunday, December 20, 2:00-3:00 p.m.

January 2010
Sunday, January 21, 2:00-3:00 p.m.

February 2010
Sunday, February 28, 2:00-3:00 p.m.

March 2010
Sunday, March 28, 2:00-3:00 p.m.

April 2010
Sunday, April 25, 2:00-3:00 p.m.

1.) The Roots Of Reading
Sunday, January 10, 2:30-3:00 p.m.
This program looks at the earliest stages of literacy in such locations as a baby speech lab and a Head Start center. The program examines how parents, childcare providers, and kindergarten teachers can get children started on the road to literacy. Features host Fred Rogers and children’s book author and illustrator Rosemary Wells (Max and Ruby).

2.) Sounds & Symbols
Sunday, January 17, 2:30-3:00 p.m.
This program focuses on how children learn the relationship between sounds, letters, and words as an initial step before being able to decode the printed word. Features host Annette Bening and children's book author and illustrator Norman Bridwell (Clifford the Big Red Dog).

3.) Fluent Reading
Sunday, January 24, 2:30-3:00 p.m.
This program explores the ability to decode quickly and achieve fluency. The program also demonstrates how early testing and intervention can help struggling readers. Features host Deborah Norville and children’s book author and illustrator Kate Duke (Aunt Isabel Tells a Good One).

4.) Writing & Spelling
Sunday, February 7, 2:30-3:00 p.m.
This program examines the connection between reading and writing and between spelling and composition. The program features successful methods for encouraging children to write and build their vocabularies. Features host Vivica A. Fox and children's book author and illustrator William Joyce (George Shrinks).

5.) Reading For Meaning
Sunday, February 14, 2:30-3:00 p.m.
This program highlights effective strategies to help kids understand -- and care about -- what they read, the ultimate goal of learning how to read. Features host Frank McCourt and children's book author Walter Dean Myers (Harlem).

6.) Empowering Parents
Sunday, February 21, 2:30-3:00 p.m.
This program helps families identify the early signs of reading problems and provides advice for navigating the system in order to get kids help. Features host Al Roker.

7.) Becoming Bilingual
Sunday, April 18, 2:30-3:00 p.m.
This program takes an up-close look at the challenges of teaching children to read in a new language. Features host Rita Moreno.

8.) Reading & The Brain
Sunday, May 2, 2:30-3:00 p.m.
This program investigates how brain scientists — using technology in new and innovative ways — are working to solve the puzzle of why some children struggle to read while others don’t. Features host Henry Winkler.

9.) A Chance To Read
Sunday, May 9, 2:30-3:00 p.m.
This program looks at the reading challenges facing kids with disabilities, and what schools across the country are doing to help them find success. Features host Molly Ringwald.

10.) Toddling Toward Reading
Sunday, May 16, 2:30-3:00 p.m.
We once thought a child's education started in kindergarten — but that could be years too late. Hosted by Reba McEntire, "Toddling Toward Reading" examines what it takes to give our preschoolers the early literacy skills they need to become successful readers. In Texas, Illinois, Georgia, and Washington, D.C., we'll meet the dedicated parents, teachers, and researchers who are discovering how to give our children a good start on a great future. We'll also visit with children's book author and illustrator Sandra Boynton, whose playful works delight fans of all ages.

A Place Of Our Own
Adult, 130/30 minute programs, PD&D Rights, http://www.aplaceofourown.org
Monday-Friday, September 21-May 21, 6:00-6:30 a.m.
A Place Of Our Own is designed to meet the needs of childcare providers from babysitters to mothers of young children to early care providers - anyone who cares for young children can benefit from this daily program.

Through advice from fellow childcare providers and experts in childcare development, A Place Of Our Own teaches methods to help children acquire cognitive, social, emotional, and physical skills. This program also helps childcare providers teach children the vital first steps in reading and language development.

Each program focuses on a specific topic ranging from issues of early childhood, such as temper tantrums and sibling rivalry, to adult concerns with daycare accreditation and children's health insurance. In each episode, a panel of fellow childcare providers shares their insights and advice on how to solve the current issue, and experts advise the audience on the psychology behind children's behavior, the government standards on daycare, and effective childhood education. The overarching goal of this program is to provide childcare providers with the tools to raise happy, healthy kindergartners.

The accompanying website includes lists of national resources for childcare providers, a guide to past and future episodes, and tips from the week’s childcare providers and experts, and clips from recent videos. The website is available in both English and Spanish.

Surviving Abundance: Overweight Kids in Crisis
Adult, 1/30 minute program, PD&D Rights
Sunday, October 11, 2:30-3:00 p.m.
Sunday, November 8, 2:30-3:00 p.m.
This half hour documentary, produced by WHRO, examines the epidemic of childhood obesity. Childhood health professionals paint a grim picture for the future of overweight children unless we begin to make systemic changes that support more healthy choices. Local, state and national childhood health experts, including William H. Dietz, Jr., MD, PhD, Director of Nutrition & Physical Activity at the Center for Disease Control and Prevention, discuss steps we can take to turn the tide, and the program highlights organizations with exemplary programs which encourage healthier lifestyles.

Surviving Abundance was produced in collaboration with the
Consortium for Infant and Child Health (CINCH), a community partnership to promote health and prevent disease among all children in Hampton Roads.

WHRO 2009 Reading Rainbow Awards

Adult & Grades K-5, 1/30 minute program, PD&D Rights
http://www.whro.org/education/ReadingRainbow
Sunday, October 11, 2:00-2:30 p.m.

Hear the 2009 WHRO Reading Rainbow Young Writers and Illustrators Contest Winners tell about the stories they wrote.

Reading Rainbow 2009 Winners

Kindergarten

1st Place
Valerie Morris
“The Magic Pegasus”
Botetourt Elementary, Gloucester

Honorable Mention
Nelson Laine Jr.
“The Presidential Race”
Tidewater Academy, Wakefield

First Grade

1st Place
Allison Calvert
“The Adventure Of Mr. Frog”
S.P. Morton Elementary, Franklin

Honorable Mention
Abbie Thornton
“The Lost Squirrel”
Achilles Elementary, Gloucester

Second Grade

1st Place
Veronika Hamilton
“The Dragon Who Did Not Know How To Breathe Fire”
W. H. Taylor Elementary, Norfolk

Honorable Mention
Asa Britton-Jenkins “May’s Kite”
W. H. Taylor Elementary, Norfolk

Third Grade

1st Place
Kamryn Cooper
“The Snowman”
Botetourt Elementary, Gloucester

Honorable Mention
A. Wm Leighton Holm
“The Adventures Of Ted, Jeff &Tone”
Larchmont Elementary, Norfolk

Fourth Grade

1st Place
Ellissa Johnson
“Welcome To Dream Land”
Homeschooled, Williamsburg

Honorable Mention
Ikeeba Johnson
“My Summer Vacation”
Pungoteaque Elementary, Accomack

Fifth Grade

1st Place
Madeline Sisson
“The Upside Down Book”
Kings Grant Elementary, Virginia Beach

Honorable Mention
Thaddeus Springer
“A New Beginning”
Homeschooled, Virginia Beach

In anticipation of the fall 2009 premiere of PBS Ken Burns’ and Florentine Films’ six-part series, “THE NATIONAL PARKS: America’s Best Idea,” the 2009 WHRO Reading Rainbow Young Writers and Illustrators Contest added a special category for park experiences.

PARK EXPERIENCE Story Winners

1st Place
Malachi Hinton
“Paws For A Cause Day At The Park”
B. C. Charles Elementary, Newport News

Honorable Mention
Erin Campbell
“Into The Cavern”
Greenbrier Intermediate, Chesapeake

Filmed over the course of more than six years at some of nature’s most spectacular locales — from Acadia to Yosemite, Yellowstone to the Grand Canyon, the Everglades.

PARENTING/EARLY CHILD CARE PROGRAMS & SERIES

www.whro.org/classroom
fellow citizens of the full meaning of democracy. It is a story full of struggle and conflict, high ideals and crass opportunism, stirring adventure and enduring inspiration - set against the most breathtaking backdrops imaginable. The National Parks: America’s Best Idea is a six-episode series directed by Ken Burns and written and co-produced by Dayton Duncan.

The documentary premieres on WHRO TV 15 on Sunday, September 27th at 8 p.m. For more information about the national broadcast and related resources, visit http://www.pbs.org/nationalparks/

AFRICAN AMERICAN HISTORY COMES ALIVE IN HAMPTON ROADS

The community engagement and outreach efforts around The National Parks: America’s Best Idea are designed to create a larger discussion about a variety of topics and to help people recognize that national parks preserve a wide variety of history and stories representative of our diverse society. In keeping with this spirit and through a PBS outreach grant, the WHRO Center for Regional Citizenship is developing a brochure to draw attention to the region’s rich African American heritage and the significant role African Americans played in the founding of our democracy.

The WHRO brochure highlights local landmarks that trace the African American heritage of Hampton Roads. From their arrival in 1619 as indentured servants, to Nat Turner’s 1831 Rebellion, from fighting in the Civil War and later setting up community schools, African Americans have impacted the history and culture of our region and country. The brochure includes a timeline and an easy to follow map to encourage us to explore that rich history and culture.


EDUCATOR RESOURCES

Available in September, printed and online educational materials created around the film will support formal and informal classroom settings with lesson plans and hands-on learning activities that can be used by a broad range of grades and disciplines. The focus of the materials will be on finding and telling the "untold" stories of one’s own community and the creation of student-generated digital media projects incorporating the ideals of the film and the national parks.

Wired For Life

Adult, 1/30 minute program, PD&D Rights, http://www.wiredforlife.org
Sunday, October 4, 2:30-3:00 p.m.
Sunday, November 1, 2:30-3:00 p.m.

The half hour Wired For Life documentary is designed to increase public understanding of how critical the first five years of life are to a child’s future success; what defines quality early education; the challenges facing parents and providers; the impact of early childhood education on economic and workforce development; quality early education as a universal local, state and national issue that affects everyone.

The WiredforLife.org website provides resources and tools for collaborative action initiatives to support quality early childhood education.
Net Files

Adult, 4/30 minute programs, PD&D Rights
http://www.netfiles.org

Now in its twelfth season, Net Files continues to keep teachers on top of Internet integration. See the tools, sights, and equipment needed to be Net Wise and visit Net Classrooms where teachers seamlessly integrate the Internet into their lesson plans and student activities. Video Streaming; Lesson Plans at http://whro.unitedstreaming.com.

1201.) Fall Edition
Sunday, November 8, 2:00-2:30 p.m.

1202.) Winter Edition
Sunday, January 25, 2:00-2:30 p.m.

1203.) Spring Edition
Sunday, February 14, 2:00-2:30 p.m.

1204.) Summer Edition
Sunday, May 9, 2:00-2:30 p.m.

Primary Sources: National Archives

Adult, 1/30 minute program, PD&D Rights
http://fcps.edu/fairfaxnetwork

Wednesday, December 16, 1:00-1:30 p.m.

The Declaration of Independence, the Constitution, the Bill of Rights… and billions—yes, billions—of other textual records along with millions of photographs, hundreds of thousands of reels of motion pictures, audiotapes, maps, and architectural drawings—these are the holdings of the National Archives.

The National Archives preserves and makes available the permanently valuable records of our federal government, and educators can put these records to work in the classroom to help students grasp, appreciate, and enjoy the lessons of United States history. During Teaching With Documents From the National Archives, the Archives education staff demonstrate how teachers can keep students engaged while presenting the lessons that our nation’s documents can teach. These educators also share the documents they love to teach with as well as how the National Archives web site and its teaching activities are correlated to the National History Standards, National Standards for Civics and Government, and cross-curricular connections. Teaching with the primary documents from the National Archives will encourage a varied learning environment for teachers and students alike.

School Talk Monthly

Adult, 8/30 minute programs, PD&D Rights
http://www.schooltalk.org

Hosted by Angie Callahan, this national award winning program features video clips and Internet sites for teachers to use correlated to Virginia Standards of Learning. Her “One on One” interviews feature area school superintendents. The programs also include video streaming tips and on-location segments highlighting exciting school projects and activities as well as upcoming professional development events. All of the programs are streamed on our website. We also have all the links we cover as well. Each month four local schools (elementary, middle, high, and independent) are recognized as Schools Of The Month. Email angie.callahan@whro.org and let us know why your school should be chosen. Show your pride!

School Talk Monthly October 2009
Sunday, October 4, 2:00-2:30 p.m.
Sunday, October 18, 2:00-2:30 p.m.

School Talk Monthly November 2009
Sunday, November 1, 2:00-2:30 p.m.
Sunday, November 15, 2:00-2:30 p.m.

School Talk Monthly December 2009
Sunday, December 13, 2:00-2:30 p.m.

School Talk Monthly January 2010
Sunday, January 10, 2:00-2:30 p.m.

School Talk Monthly February 2010
Sunday, February 7, 2:00-2:30 p.m.

School Talk Monthly March 2010
Sunday, February 21, 2:00-2:30 p.m.

School Talk Monthly April 2010
Sunday, April 18, 2:00-2:30 p.m.

School Talk Monthly May 2010
Sunday, May 2, 2:00-2:30 p.m.
Sunday, May 16, 2:00-2:30 p.m.

School Talk Monthly also airs on local school cable channels.
2008-2009 SCHOOLS OF THE MONTH

September 2008
Luxford Elementary, Virginia Beach
Peasley Middle, Gloucester
Hampton High, Hampton
Hampton Roads Academy, Newport News

October 2008
Pungoteague Elementary, Accomack
Spratley Middle, Hampton
Grassfield High, Chesapeake
The Williams School, Norfolk

November 2008
Langley Elementary, Hampton
Kemps Landing Magnet, Virginia Beach
Southampton High, Southampton
Norfolk Academy, Norfolk

December 2008
Thurgood Marshall Elementary, Chesapeake
Lindsay Middle, Hampton
Nandua High, Accomack
Norfolk Collegiate, Norfolk

January 2009
Bryan Elementary, Hampton
Churchland Middle, Portsmouth
Green Run High, Virginia Beach
Norfolk Catholic, Norfolk

February 2009
Waller Mill Elementary, York County
Berkeley Middle, Williamsburg-James City County
Warwick High, Newport News
St. Gregory The Great, Virginia Beach

March 2009
Christopher Farms Elementary, Virginia Beach
Windsor Middle, Isle of Wight
Granby High, Norfolk
Hewbrew Academy of Tidewater, Virginia Beach

April 2009
Poquoson Elementary, Poquoson
William E. Waters Middle, Portsmouth
King’s Fork High, Suffolk
Chesapeake Bay Academy, Virginia Beach

May 2009
Occohannock Elementary, Northampton
Ruffner Middle, Norfolk
The Aviation Academy, Newport News
Virginia Beach Friends School
RSCPC
The local school superintendents within the WHRO broadcast area are the Regional Schools Contracting and Planning Committee (RSCPC). Superintendents appoint representatives to serve on the WHRO RSCPC Working Group. RSCPC is an advisory body for WHRO Instructional Technologies Service and guide the WHRO Classroom offerings.

C.I.I.
The Consortium for Interactive Instruction (C.I.I.) develops and conducts quality-training programs, provides students and educator recognition, and introduces new and emerging technologies. The C.I.I. is managed by WHRO. In 2003, the C.I.I. received a six year $3 million No Child Left Behind Grant to provide technology integration professional development courses for area teachers.

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<thead>
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