



Educational Programming Highlights ~ OCTOBER 2011 ~

The programs listed below air on Idaho Public Television, and can be recorded for use in the classroom. Most are accompanied by teacher guides and additional information on the accompanying websites. A calendar with additional programs, professional development courses, telecourses and more can be found at <http://www.idahoptv.org/learn/toolbox.cfm>.

**Time zones are MT/PT where two times are shown.

FOR ELEMENTARY CLASSROOMS

Math & Science:

D4K: SKELETONS. Airls Tuesday, Oct. 18 at 2:00/1:00 pm. Joan Cartan-Hansen and her guest scientists will answer your questions this month. <http://www.idahoptv.org/dialogue4kids/> (30 min)

DRAGONFLYTV. Airls Tuesdays at 3:00/2:00 am. A hip, fun science show for kids 9 to 12. Two episodes air each day: Animal Behavior & Speed (10/18), Health & Habitats (10/25). Online Educator's Guides are available at <http://pbskids.org/dragonflytv/> (2 x 30 min)

History:

AMERICAN EXPERIENCE. The American Experience website includes a section with a format designed especially for kids called WayBack: U.S. History for Kids. The web pages accompany many of the American Experience programs airing each month, and include resources for parents and teachers. Topics include civil rights, U.S. Presidents, the gold rush, and more. Check it out at <http://www.pbskids.org/wayback/>

Music, Art & Literature:

THE ELECTRIC COMPANY. Airls weekdays at 3:00/2:00 pm. This program teaches children ages 6 to 9 crucial areas of literacy: decoding, vocabulary, comprehension of connected text, and motivation. Check out the educator tools at <http://www.pbs.org/parents/electriccompany/> (30 min)

WORDGIRL. Airls weekdays at 3:30/2:30 pm. WordGirl aims to enrich children's vocabularies and close the gap between those who don't grow up in language rich environments and those who do. The program is for everyone, but mainly ages 4 to 9. Teacher lesson plans and activities can be found at <http://www.pbs.org/parents/wordgirl/> (30 min)

FOR MIDDLE AND HIGH SCHOOL CLASSROOMS

Math & Science:

HARD PROBLEMS: THE ROAD TO THE WORLD'S TOUGHEST MATH CONTEST. Airs Thursday, Oct. 6 at 1:00/12:00 am. This program follows the six exceptional high school students who represented the United States in 2006 at the International Mathematical Olympiad (IMO). <http://www.hardproblemsmovie.com> (60 min)

SCIENCE INVESTIGATORS. Airs Thursday, Oct. 20 at 3:00/2:00 am. Four youthful hosts, armed with the latest gadgets and technology, tackle scientific mysteries. Throwing energy and technological know-how at the topics, they seek answers for: Can you build an elevator into space? Does anyone own the Internet? Do robots have feelings? Why does a rice plant have more genes than humans? <http://www.pbs.org/wgbh/si> (60 min)

NATURE'S POWER REVEALED: THE ATMOSPHERE. Airs Wednesday, Oct. 5 at 7:00 pm. The program looks at the devastating effects of tornados, lightning storms and wind. Repeats Tuesday, Oct. 11 at 3:00/2:00 am. (60 min)

SCIENCE MISSION 101. Airs Monday, Oct. 31 at 2:30/1:30 am. This competitive reality-style program challenges two teams of high school students to unravel the scientific mystery of why only certain strains of the bacterium salmonella make people sick. Visit the teacher section at <http://www.wqed.org/tv/sciencemission101> (30 min)

NOVA. Airs Wednesdays at 8:00 pm. NOVA is the highest rated science series on television, and the most watched documentary series on public television. October topics: great cathedrals & Solomon's mines (10/5, 2 hrs), dogs decoded (10/12, 60 min), life beyond earth (10/19, 2 hrs), the Iceman (10/26, 60 min). Repeats Saturdays at 4:00/3:00 pm and Mondays at 1:00/12:00 am. <http://www.pbs.org/wgbh/nova>

SCIENTIFIC AMERICAN FRONTIERS. Airs Tuesdays at 2:00/1:00 am. Host Alan Alda takes us from the depths of the conscious mind to the outer reaches of the universe. Each program is accompanied by an online teaching guide filled with science activities. October topics: computers in rural India (10/4), stress (10/11), dieting (10/18), memory (10/25). <http://www.pbs.org/saf/index.html> (60 min)

NATURE. Airs Sundays at 8:00 pm. NATURE brings the beauty and wonder of the natural world into homes, and is the benchmark for natural history programs on American television. October topics: dogs (10/9), crows (10/16), wolves (10/23) <http://www.pbs.org/wnet/nature> Repeats Tuesdays and Sundays at 1:00/12:00 am (60 min)

Social Studies, History and Economics:

AMERICAN EXPERIENCE: HOOVER DAM. Airs Monday, Oct. 3 at 10:00 pm. During the Great Depression, this dam project draws men desperate for work to a remote canyon near Las Vegas, Nevada, and transforms the American Southwest and Idaho's Morrison-Knudsen Co., which is part of the construction consortium that builds it. Teacher resources at

<http://www.pbs.org/wgbh/americanexperience>. Repeats Wednesdays at 1:00/12:00 am. (60 min)

AMERICAN EXPERIENCE: SURVIVING THE DUST BOWL. Airs Tuesday, Oct. 4 at 10:00 pm. For 10 years, beginning in 1930, dust storms ravaged the parched and overplowed southern plains, turning wheat fields into desert, and causing disease, hardship, and death.

<http://www.pbs.org/wgbh/americanexperience/films/dustbowl/> Repeats 10/5 at 2:00/1:00 am. (60 min)

AMERICA BEYOND THE COLOR LINE. Airs Mondays, Oct. 3 to 24 at 3:00/2:00 am. Black Americans are center stage in almost every arena, and opportunities have opened up that just three decades ago seemed unimaginable. But huge obstacles remain: many African Americans say they still feel excluded from mainstream American life, and a fifth of all black Americans currently live below the poverty line. (60 min)

THE WAR OF 1812. Airs Monday, Oct. 10 at 9:00 pm. This film shows how the glories of war become enshrined in history, how failures are quickly forgotten, and inconvenient truths are ignored forever. Teacher resources at <http://www.pbs.org/wned/war-of-1812/> (2 hrs)

MYSTERY OF CHACO CANYON. Airs Thursday, Oct. 6 at 3:00/2:00 am. Between 850 and 1150 AD the residents of Chaco Canyon in northwestern New Mexico designed, oriented and located their major buildings in relationship to the sun and moon. Although they left no written text to help us to understand their culture, their thoughts are preserved in the language of their architecture, roads and light markings. Educator resources are available at <http://www.solsticeproject.org/solsticefilms.html> (60 min)

FREE RESOURCES FOR TEACHING FINANCIAL LITERACY. A special collection of educational digital media resources for use in school and home learning environments to help students understand complex economic concepts is now available. Access, Analyze, Act: From Economic Theory to Financial Reality is available for free at <http://www.pbs.org/teachers/access-analyze-act-economy>

PBS NEWSHOUR. Airs weeknights at 6:00 pm. The online NewsHour Extra provides unique current events resources for busy teachers, news stories, pictures, maps, video, in-depth lesson plans, stories written by students and more. <http://www.pbs.org/newshour>

Music, Art & Literature:

IN SEARCH OF SHAKESPEARE. Airs Thursdays, Oct. 6 to 27 at 2:00/1:00 am. In this four-part biography we see how Shakespeare's life and work were shaped by his times and how he created some of the greatest literature in the world. There are many teacher resources available at <http://www.pbs.org/shakespeare> (60 min)

MASTERPIECE TEACHER GUIDES. Browse the selection of online teacher guides to help you use Masterpiece films in the classroom. <http://www.pbs.org/wgbh/masterpiece/learn/guides.html>

FOR PARENTS AND EDUCATORS

LIVING WITH FRAGILE X. Airs Wednesday, Oct. 19 at 1:00/12:00 am. A rare and intimate look at the lives of several families who live with a member affected by fragile X syndrome, the leading cause of inherited mental disability and the leading known cause of autism. <http://www.livingwithfragilex.com> (60 min)

AUTISM: COMING OF AGE. Airs Wednesday, Oct. 26 at 1:00/12:00 am. In the next 10 to 15 years, an estimated 800,000 children with autism will age out of the school system and transition into adulthood. They will look to ill-prepared state and federal governments for the support services and resources to meet their many needs. <http://www.massmutual.com/comingofage>. (60 min)

HIGH SCHOOL DROPOUTS. Airs Monday, Oct. 31 at 2:00/1:00 am. The high school dropout rate is rapidly increasing in many cities throughout the U.S. Teachers, counselors, lawmakers and parents are teaming up to reverse this disturbing trend. http://www.kvie.org/programs/kvie/viewfinder/high_school_dropouts/default.htm (30 min)

FREE BULLYING RESOURCES. The We Do Listen Foundation has created an illustrated children's book to help make it more comfortable for young children to come forth and report bullying to a teacher. Visit the website www.wedolisten.com for free teacher endorsed tools and resources to help 4-8 year olds and their parents and teachers deal with bullying.

GUIDE FOR EDUCATORS. Media literacy experts have created a guide that simplifies the legalities of using copyrighted materials in an academic setting. The Code of Best Practices in Fair Use for Media Literacy Education can be found online at http://www.centerforsocialmedia.org/resources/fair_use_and_teaching

Thanks for reading!
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