



Educational Programming Highlights ~ JANUARY 2012 ~

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:

SCIENCE IS FUN. Airs Wednesday, Jan. 18 at 1:00/12:00 am. In these two episodes, take a tour of some fascinating and fun chemistry experiments centered around flames and light, and watch as scientists experiment with amazing metals and minerals. <http://www.scifun.org/> (2 x 30 min)

D4K: GEOLOGY. Airs Tuesday, Jan. 17 at 2:00/1:00 pm. Joan Cartan-Hansen and her guest scientists, Reed Lewis, a geologist from the Idaho Geological Survey at the University of Idaho and Megan Dixon, an instructor from the College of Idaho, answer questions about geology. <http://www.idahoptv.org/dialogue4kids/> (30 min)

NASA "WHY" FILES/NASA SCIENCE FILES. Airs Tuesdays at 3:00/2:00 am. This program emphasizes the integration of mathematics, science, and technology for young viewers. January episodes: Case of the Unknown Stink (1/10), Case of the Barking Dogs (1/17), Case of the Electrical Mystery (1/24), Case of the Challenging Flight (1/31). <http://scifiles.larc.nasa.gov/treehouse.html> (60 min)

DRAGONFLYTV: Airs Tuesday, Jan. 3 at 3:00/2:00 am. A hip, fun science show for kids 9 to 12 that explores nanotechnology in these two episodes. 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. Airs 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. Airs 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:

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. January topics: volcanoes & earthquakes (1/4), WWII engineering challenges (1/11), spy photos (1/18), fraudulent art (1/25). Repeats Saturdays at 4:00/3:00 pm and Mondays at 1:00/12:00 am. <http://www.pbs.org/wgbh/nova> (1 or 2 hrs)

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. January topics: amazing human feats (1/10), random questions (1/17 & 1/31), the heart (1/24). <http://www.pbs.org/saf/index.html> (60 min)

NATURE. Airs Wednesdays at 7:00 pm. NATURE brings the beauty and wonder of the natural world into homes, and is the benchmark for natural history programs on American television. January topics: birds of paradise (1/4), kangaroos (1/11), tigers (1/18), bears (1/25) <http://www.pbs.org/wnet/nature> Repeats Sundays and Tuesdays at 1:00/12:00 am (60 min)

Social Studies, History and Economics:

AMERICA BEYOND THE COLOR LINE. Airs Sundays, Jan. 1 to 22 at 5:00/4:00 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)

LIQUID ASSETS: THE STORY OF OUR WATER INFRASTRUCTURE. Airs Wednesday, Jan. 4 at 3:00/2:00 am. Tells the story of essential infrastructure systems (water, wastewater, and stormwater) that provide a critical public health function and are essential for economic development and growth. Educator resources available at <http://liquidassets.psu.edu/>. (90 min)

AMERICAN EXPERIENCE. Airs Tuesdays at 8:00 or 9:00 pm. American Experience brings to life the incredible characters and epic stories that have shaped America's past and present. January programs highlight people who helped tame the west and shape the western heroes celebrated in film

and television for decades: Billy the Kid (1/10), General Custer (1/17), Wyatt Earp & Geronimo (1/24), Annie Oakley & Jesse James (1/31). Teacher resources at <http://www.pbs.org/wgbh/amex/teachers> (60/90 min)

REBELS AND REDCOATS: HOW BRITAIN LOST AMERICA. Airs Saturdays, Dec. 7 & 14 at 1:00/12:00 am. With vivid dramatizations of battles, eyewitness accounts, original documents and paintings, this tells the story of the American Revolution from an unusual point of view - that of the British losers. (2 x 2 hrs)

PLACING OUT: THE ORPHAN TRAINS. Airs Wednesday, Jan. 11 at 3:00/2:00 am. This tells the story of the estimated 200,000 orphaned, abandoned and runaway children, primarily from industrialized cities in the East, who boarded trains bound for Midwestern farming communities in search of a better life between 1854 and 1929. (60 min)

EGYPT'S GOLDEN EMPIRE. Airs Tuesday, Jan. 3 & 10 at 8:00 pm. Over 3,500 years ago, Egypt was on the brink of its greatest age, and an explosion of creativity, wealth and power that would make it the envy of the world. Explore the education resources at <http://www.pbs.org/empires/egypt/> Repeats Thursday, Jan. 5 at 1:00/12:00 am and Jan. 12 at 2:00/1:00 am (3 x 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:

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

GAME CHANGERS. Airs Wednesday, Jan. 11 at 2:30/1:30 am. This tells of an innovative pilot program to identify high-ability people in STEM fields (science, technology, engineering and math), fund their training at four universities, and create new teacher-preparation programs that focus on the skills and knowledge needed in the Information Age. <http://www.wfyi.org/TheGameChangers/> (60 min)

STANFORD ROUNDTABLE: EDUCATION NATION 2.0. Airs Wednesday, Jan. 25 at 2:00/1:00 am. Join master interviewer and PBS host Charlie Rose and a distinguished panel of luminaries to tackle the question of how to improve our troubled school system and provide a better future for our nation's greatest resource, our kids. The panelists are Newark, NY, Mayor Cory Booker, Netflix founder Reed Hastings, Stanford President John Hennessy, Khan Academy Founder Salman Khan and Kim Smith,

co-founder of Teach for America and NewSchools Venture Fund. <http://www.stanford.edu/roundtable/> (90 min)

WRITERS: YOUNG ADULT LITERATURE. Airs Wednesday, Jan. 18 at 3:00/2:00 am. Authors Richard Peck, Sharon M. Draper and Margaret McMullan discuss the burgeoning teen market. <http://mpbonline.org/writers/> (60 min)

PARENTS AND TEENS BEHIND THE WHEEL. Airs Wednesday, Jan. 11 at 1:00/12:00 am. Examines how teens form their driving habits and explores the influence of parental behavior on the conduct of newly licensed teens. <http://www.cptv2.org/btw> (60 min)

TEACHING CHANNEL. Airs Thursdays at 3:00/2:00 am. Teaching Channel takes you inside America's K-12 classrooms with programs that showcase inspiring and effective teaching practices. For detailed topic information and to subscribe to the newsletter, visit <http://www.teachingchannel.org/> (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

WORKSHOPS BEGINNING THIS MONTH

ASSESSMENT IN MATH AND SCIENCE: WHAT'S THE POINT? Airs Fridays, Jan. 6 to Feb. 24 at 1:00/12:00 am. This 8 part workshop examines current assessment issues and strategies in K-12 math and science classrooms. <http://www.learner.org/resources/series93.html> (60 min)

IN SEARCH OF THE NOVEL. Airs Fridays, Jan. 27 to Mar. 16 at 3:00/2:00 am. Discover creative strategies for bringing novels to life for middle and high school students with this 8 hour workshop. It offers interviews with contemporary authors, literary critics, teachers, and students, as well as film clips from adaptations of the novels featured. <http://www.learner.org/resources/series111.html> (60 min)

Thanks for reading!
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