



## *Educational Programming Highlights* ~ FEBRUARY 2010 ~

Here are some highlights from Idaho Public Television's programming this month. Our Classroom Calendar can be found at <http://www.idahoptv.org/learn/toolbox.cfm>. It lists additional programs suitable for use in the classroom, professional development courses, telecourses and more.

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

### FOR ELEMENTARY CLASSROOMS

#### ***Math & Science:***

D4K: BODY WASTE. Airs Tuesday, Feb. 16 at 2:00/1:00 pm. Your body has a great way to get rid of the things it doesn't need. Why does your body get rid of all this stuff? What can you tell about your health based on your body waste? Host Joan Cartan-Hansen will be joined by Dr. Heather Owens and Dr. Naya Antink to answer these questions and more. The D4K web site offers facts, links, reading lists, a glossary, podcasts of programs, special D4K web exclusive programming and more. <http://www.idahoptv.org/dialogue4kids/> (30 min)

SCIENCE IS FUN. Airs Monday, Feb. 22 at 2:00/1:00 am. Chemistry Professor Bassam Shkhashiri uses metals to produce an assortment of colorful changes and shows reactions of gases that produce flames and flashes of light. <http://scifun.chem.wisc.edu/> (60 min)

DESIGN SQUAD. Airs Saturdays at 12:30 pm/11:30 am. Eight teenagers compete to design and build fully operational machines. Students in 5th to 8th grades can interact with the series through the website, blogs, and handheld devices. February episodes: Tour de BBQ (2/6), Escape from Misery Island (2/13 & 2/20), The Need for Speed (2/27). Find out more at <http://www.pbskids.org/designsquad/> (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://pbskids.org/wayback/>

#### ***Music, Art & Literature:***

BETWEEN THE LIONS. Airs weekdays at 2:00/1:00 pm. Each episode takes an interactive approach to reading by encouraging children age three to seven to think about the phonic elements, vocabulary, and grammar that make up a story. Find out more about the series at <http://www.pbskids.org/lions> (30 min)

FOR MIDDLE AND HIGH SCHOOL CLASSROOMS

**Math & Science:**

GOING GREEN. Airs Wednesday, Feb. 3 at 2:30/1:30 am. This program answers the question: what can I personally do to help solve the environmental problems facing us today? Tour the original Eco-Home with a group of middle-school kids who see first-hand some simple, inexpensive ways to become more earth friendly. A discussion guide is available at <http://www.goinggreenproductions.com/> (30 min)

SCIENCE MISSION 101. Airs Sunday, Feb. 21 at 11:30 pm. 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)

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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. February topics: placebo effect (2/2), animal calls (2/9), computers (2/16), stress and illness (2/23). <http://www.pbs.org/saf/index.html> (60 min)

NOVA. Airs Tuesdays at 7:00/8:00 pm. NOVA is the highest rated science series on television, and the most watched documentary series on public television. February topics: Machu Picchu (2/2), cave diving (2/9), melting glaciers (2/16), ice age extinction (2/23). Visit <http://www.pbs.org/wgbh/nova/> to find numerous classroom tools, links to watch many episodes online, and many more resources. (60 min)

NATURE. Airs Sundays at 8:00 pm. The award-winning web site <http://www.pbs.org/wnet/nature> offers teachers guides and more than 40 free downloadable video segments ranging in length from 30 seconds to 5 minutes. Repeats Tuesday and Sunday at 1:00/12:00 am (60 min)

**Social Studies, History and Economics:**

ORIGINAL INTENT: THE BATTLE FOR AMERICA. Airs Monday, Feb. 15 at 3:00/2:00 am. Originalists believe the U.S. Constitution should be interpreted in the way the Founding Fathers understood it in 1789 - an era when only white men were allowed to vote and slavery was legal. <http://www.anthonyshein.com> (60 min)

LAND TO LANDFILL. Airs Thursday, Feb. 25 at 2:00/1:00 am. This program helps students develop a systems perspective on the crucial topics of how we get our food, how we consume and dispose of it and the packaging, and it addresses future food sources and questions. (60 min)

E2. Airs Tuesdays at 3:00/2:00 am. From energy consumption to design efficiency, policy to industry, this series documents the innovators whose work is reducing humans' impact on the environment. The e2 website [http://www.pbs.org/e2/teachers/teacher\\_overview.html](http://www.pbs.org/e2/teachers/teacher_overview.html) has downloadable video

segments accompanied by discussion questions, background readings, and classroom activities and projects. (2 x 30 min)

**AMERICAN EXPERIENCE.** Airs Mondays at 9:00 pm. American Experience brings to life the incredible characters and epic stories that have shaped America's past and present. February topics: Donner Party (2/1), Bombing of Germany (2/8), The Kennedys (2/15), Amelia Earhart (2/22). Most episodes are available for viewing online, and include teaching guides. Find out more at <http://www.pbs.org/wgbh/americanexperience/> Repeats Wednesdays at 1:00/12:00 am. (60 min)

**AMERICA'S HEARTLAND.** Airs Saturdays at 3:30/2:30 pm. This series tells stories about the world of agriculture from all across America. Learn how our agriculture producers provide food, fuel and fiber for America and the world. The website <http://www.americasheartland.org> provides information for students interested in exploring the vast career opportunities in agriculture, and teacher resources to accompany select story segments of the show. (30 min)

### ***Music, Art & Literature:***

**MASTERPIECE TEACHER GUIDES.** Browse the selection of online teacher guides to help you use Masterpiece films in the classroom. Now available: Teaching Dickens: A Masterpiece Guide. This guide helps teachers engage students in their study of Dickens in print as well as on film. <http://www.pbs.org/wgbh/masterpiece/learn/guides.html>

FOR PARENTS AND EDUCATORS
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**HEADSTRONG: INSIDE THE HIDDEN WORLD OF DYSLEXIA AND ADHD.** Airs Monday, Feb. 8 at 2:30/1:30 am. This program explores the lives of people who beat the odds every day, exploring ideas and techniques that help these individuals succeed. <http://www.headstrongnation.org/> (30 min)

**PARENTS AND TEENS BEHIND THE WHEEL.** Airs Wednesday, Feb. 24 at 3:00/2:00 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)

**FRONTLINE: DIGITAL NATION.** Airs Tuesday, Feb. 2 at 9:00 pm. This program seeks to understand the implications of living in a world consumed by technology and the impact constant connectivity may have on future generations. <http://www.pbs.org/wgbh/pages/frontline> Repeats Sunday, Feb. 7 at 1:30/12:30 am.

**INDEPENDENT LENS.** Airs Tuesdays at 10:00 pm. Educators can visit the website to find curricula paired with specially edited video modules taken from the best of Independent Lens films, web original projects and online activities. <http://www.pbs.org/independentlens/classroom/index.html> (60 min)

**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/](http://www.centerforsocialmedia.org/resources/fair_use_and_teaching/).

VIDEO WORKSHOPS BEGINNING THIS MONTH

THE NEXT MOVE: STEPS TOWARD CHANGE IN ELEMENTARY MATH AND SCIENCE. Aired Fridays, Feb. 12 to Apr. 2 at 3:00/2:00 am. This workshop helps teachers move toward more student-centered classrooms. <http://www.learner.org/resources/series102.html> (8 x 60 min)

CHALLENGE OF THE UNKNOWN. Aired Thursdays, Feb. 4 to 18 at 2:00/1:00 am. Each program in this 7 part series focuses on a specific problem-solving step. The goal of the series is to show math in a new light and to help students understand how to solve complex problems. For use in grades 4-12 math and science classrooms (3 x 60 min)

Thanks for reading!  
IDPTV Learning Services