

Technology Toolbox for Teachers



IDAHO
PUBLIC
TELEVISION

A Guide for Using Media in the Classroom

HIGH SCHOOL/MIDDLE SCHOOL EDITION

FEBRUARY 2002 VOLUME 4 ISSUE 6

February is Black History Month

AMERICAN EXPERIENCE Scottsboro: An American Tragedy (90 min) (1 yr) airs Sunday February 3, at 9:00/8:00 p.m. MT/PT



Examine the 1931 trial of nine black teenage boys, falsely accused of rape by two white women, which drew North and South into their sharpest conflict since the Civil War. This landmark case yielded two

momentous Supreme Court decisions, and gave birth to the Civil Rights Movement. Visit the Web site www.pbs.org/wgbh/amex/scottsboro/ for a timeline of events, maps, and teacher guides. *Cautionary note: "Scottsboro" and "Huey P. Newton Story" contain violence and offensive language, discretion is advised.*

AMERICAN EXPERIENCE Jubilee Singers: Sacrifice and Glory (1hr) (1yr) airs Sunday, February 10 at 10:00/9:00 p.m. MT/PT

After the Civil War, a group of young ex-slaves in Nashville, Tenn., set out to save their bankrupt school by giving concerts. Traveling first through the North, and then venues across Europe, the Jubilee Singers introduced audiences to the power of spirituals, the religious anthems of slavery. The Web site www.pbs.org/wgbh/amex/singers/ includes lyrics for all of the songs.

A HUEY P. NEWTON STORY (90 min) airs Wednesday, February 13 at 9:00 p.m. MT/PT

Director Spike Lee and actor Roger Smith collaborate to bring Smith's one-man award-winning play to television in a mix of performance and film. This intimate portrait of the assassinated co-founder of the Black Panther Party reveals a complex individual who was both celebrated and vilified.

Due to statewide budget holdbacks we're unable to send out printed copies of our monthly newsletter *Technology Toolbox for Teachers* for the rest of this school year. The good news is that *Toolbox* will still be available, electronically, in expanded form, so encourage your peers to sign up to receive *Toolbox* e-mails, or download them off the Web! They can visit idahoptv.org/learn to view online or send an e-mail to learning_services@idptv.pbs.org to receive them by e-mail!

We plan on being able to provide a printed version of *Toolbox* next year, and will continue with our expanded electronic version as well. If you have any suggestions on how to make this resource more effective, please don't hesitate to drop us a line.

Have a great month!

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Dig Up Facts On Egyptian History

EGYPT'S GOLDEN EMPIRE (2 hrs, 30 min) (1yr) airs Wednesday, February 27 at 9:00 p.m. MT/PT

This special tells the story of the most extraordinary chapter of ancient Egypt – the rise and fall of history's first recorded empire. Egypt reached its apogee, becoming Earth's most important, feared and exuberant nation. The empire was forged 1,000 years after the time of the pyramid builders and lasted 500 years: 1567 BC to 1085 BC.

The words of the pharaohs and ordinary Egyptians of the era tell the story. These unique records replace myth with history and show the ancient people at work and play as they were believed to be in daily life.

Interactive maps, a timeline of key events and milestones, 360-degree photos (which zoom and tilt), a hieroglyphics translator and teacher's guide are on the Web site www.pbs.org/empires/egypt/.

Look at Darwin's Evolutionary Theory

AMERICAN EXPERIENCE Monkey Trial (90 min) (1yr) airs Sunday, February 17 at 9:00/8:00 p.m. MT/PT

In 1925, a biology teacher named John Scopes was arrested in Tennessee for teaching



evolution in defiance of state law. His trial became an all-out duel between science and religion, and one of the epic legal battles of the 20th century. *Monkey Trial* explores the moment a new fault line opened in society as scientific discoveries began to challenge the literal truth of the Bible. Often humorous and at times frightening, the story of colliding value systems resonates today. Visit the Web site

www.pbs.org/wgbh/amex/monkeytrial/ for additional information and companion teachers guide. *Cautionary note: "Monkey Trial" contains violence and offensive language, discretion is advised.*

NOVA The Missing Link (1hr) (1yr) airs Tuesday, February 26 at 7:00 p.m. MT/PT

According to evolutionary theory, all four-limbed creatures – from dinosaurs to humans – are descended from a single creature, the first animal to crawl from water onto land. This vital bridge between fish and land-animal

has long been a mystery to scientists. *NOVA* follows a group of paleontologists on a trail from Pennsylvania to Greenland. Along the way, they discover some amazing clues, including a tiny fossil jaw that lay unnoticed in a dusty museum drawer for decades. Visit the Web Site www.pbs.org/wgbh/nova/link/ for additional information and teaching resources.

Visit our Web site idahoptv.org/learn/ for additional classroom resources

FEBRUARY 2002



ALL TIMES LISTED MT/PT

KAID 4 BOISE
KIPT 13 TWIN FALLS
KISU 10 POCATELLO
KUID 12 MOSCOW
KCDT 26 COEUR D'ALENE

Professional Development Series On ITV Focuses on Assessment in Math

ASSESSMENT IN MATH AND SCIENCE: WHAT'S THE POINT? (8, 90 min episodes) (1yr) airs Friday mornings during the ITV blockfeed 1:00 a.m./12:00 midnight – 3:00/2:00 a.m. MT/PT

This video workshop for K-12 teachers examines current assessment issues and explores strategies for making classroom assessment practices more effective. The series examines what assessment reform looks like. It provides information you can use with standardized tests to focus your teaching so that student performance improves in the classroom as well as on these external measures of success.

This workshop series offers two graduate-level semester credits from Colorado State University. Visit www.learner.org/channel/workshops/assessment/ for

detailed episode descriptions, course requirements and workshop structure.

This Month's Math Resources on ITV:

There are several programs highlighting mathematics that you don't want to miss, which air this month during our instructional block feed for teachers
1:00 a.m./12:00 midnight – 3:00/2:00 a.m. MT/PT

Set your VCR to build your media library, and visit idahoptv.org/itv for additional information.

CLOUDS ARE NOT SPHERES: THE LIFE AND WORK OF A MAVERICK MATHEMATICIAN (1hr) (1yr) airs Monday, February 4

Those amazing fractals! This program profiles the scientist Benoit Mandelbrot whose extraordinary vision and genius has paralleled and reflected the very aspects

of "new geometry." Throughout the program, Mandelbrot tells his story in his unique style, and is supported by interviews with a dozen contributors, including Nobel Laureate professor Ivan Gieaver, mathematician Heinz-Otto Peitzgen and philosopher Pierre Roubinet.

CHALLENGE OF THE UNKNOWN (7, 20 min. episodes) (LL) airs Mondays, February 25 and March 4

This series illustrates the key problem formulation processes we all use. It shows how people wrestle with a wide range of problems in their everyday lives, and how problem solvers use math as a tool to make tasks easier. Comedy segments interspersed with documentary segments demonstrate how problems cannot be solved by someone who is not thinking but is just pushing ahead, trying to force the problem to yield an answer.

Human Physiology: Under the Microscope

NATIONAL GEOGRAPHIC SPECIAL The Incredible Human Body (1hr) (1yr) airs Wednesday, February 27 at 7:00 p.m. MT/PT

Latest scientific advancements and the use of revolutionary imaging systems have led to further understanding of human anatomy. A view that has changed dramatically from decades past. This new special explores the enigmatic human body — from the inside out. Cutting-edge technology leads science into the unexplored territory of the enigmatic human body. 4-D imaging systems peek into the bodies of real people — right down to their stem cells.



NKOSI: A VOICE OF AFRICA'S AIDS ORPHANS (30 min) (1yr) airs Tuesday, February 12 at 10:30 p.m. MT/PT

This program tells the story of 12-year-old Nkosi Johnson, a South African boy who was born HIV positive and lived every day on the verge of death. Unlike most of the estimated 13 million African AIDS orphans, whose voices are often ignored, Nkosi was adopted into a loving family. He became a conscience for his nation and a voice for a generation of children less fortunate than he. Nkosi spoke out forcefully for the rights of children and families affected and infected by AIDS, addressing the paralyzing effects of stigmatization and putting a human face on the tragedy of AIDS in Africa.

THE SECRET LIFE OF THE BRAIN (1hr) (1yr) continues with final two episodes airing Tuesdays, February 5 and 12 at 8:00 p.m. MT/PT

The Adult Brain: To Think By Feeling
This chronicle of the critical balance between intellect and emotion explores what happens when the balance is lost.

The Aging Brain: Through Many Lives
For years, science has suggested that we lose vast numbers of brain cells as we grow older. Now it is demonstrated that healthy brains continue to produce new neurons well into the seventies. The companion Web site www.pbs.org/wnet/brain/ is a great resource for use in the classroom.

RIGHT TURNS ONLY (7, 30 min episodes) (LL) airs Tuesdays, February 5 and 12 during the ITV Blockfeed for teachers 1:00 a.m./12:00 midnight – 3:00/2:00 a.m. MT/PT

This is a drug education series, which targets middle school students with special attention focused on African-American and Hispanic youth. Topics are peer pressure, responsibility, media messages and the strength of family. Visit idahoptv.org/itv for episode information.

Visit our Web site idahoptv.org/learn/ for additional classroom resources



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FEBRUARY 2002

SUNDAY

MONDAY

TUESDAY

WEDNESDAY

THURSDAY

FRIDAY

SATURDAY

<p>3 Telecourses Continue (W,TR) Mechanical Universe 2:00/1:00 am Earth Revealed 3:00/2:00 am Discovering Psychology 4:00/3:00 am American Experience Scottsboro: An American Tragedy 9:00/8:00 pm (W,TR) Super Commercials: Mental Engineering 10:30 pm</p>	<p>4 ITV: Clouds Are Not Spheres: The Life and Work of a Maverick Mathematician Math Talk #101-104 1:00 am/12:00 midnight - 3:00/2:00 am (W) GED Connection 4:30/3:30 am (W,TR)</p>	<p>5 ITV: Right Turns Only #1-5 1:00 am/12:00 midnight - 3:00/2:00 am (W) GED Connection 4:30/3:30 am (W,TR) NOVA Secrets, Lies and Atomic Spies 7:00 pm (W,TR) Secret Life of the Brain Adult Brain 8:00 pm (W,TR) Bill Moyers Reports: Trading Democracy 9:00 pm</p>	<p>6 ITV: Standard Deviants Get Nervous, Teacher Request 1:00 am/12:00 midnight - 3:00/2:00 am (W,TR) GED Connection 4:30/3:30 am (W,TR) Oregon Story: Rural.com 7:00 pm Queen's Story 9:00 pm</p>	<p>7 ITV: SDE Newscast, What's in the News? Pollution and Solutions. NASA CONNECT, Visions of Idaho #1-4 1:00 am/12:00 midnight - 3:00/2:00 am (W,TR) Outdoor Idaho A Job with a View 8:00/7:00 pm (W)</p>	<p>1 ITV: Assessment in Math and Science: What's the Point? Will This Be on the Test? Knowing vs. Understanding, ScienceLine # 102 Michael Beason 1:00 am/12:00 midnight - 3:00/2:00 am (W,TR) GED Connection 4:30/3:30 am (W,TR)</p>	<p>2 Telecourses Continue (W,TR) Shaping America 1:00 am/12:00 midnight Power of Place 2:00/1:00 am Western Tradition Part II 3:00/2:00 am Dealing With Diversity 4:00/3:00 am Career Advantage 6:00/5:00 am</p>
<p>10 Telecourses Continue 2:00/1:00 am (W,TR) Nature The White Elephants with Meg Ryan 8:00/7:00 pm (W) American Experience Zoot Suit Riots 9:00/8:00 pm (W,TR) American Experience Jubilee Singers: Sacrifice and Glory 10:00/9:00 pm (W,TR)</p>	<p>11 ITV: Math Talk #105-112 1:00 am/12:00 midnight - 3:00/2:00 am (W) GED Connection 4:30/3:30 am (W,TR)</p>	<p>12 ITV: Right Turns Only #6-7, Straight at Yal 1:00 am/12:00 midnight - 3:00/2:00 am (W) GED Connection 4:30/3:30 am (W,TR) NOVA Bioterror 7:00 pm (W,TR) Secret Life of the Brain The Aging Brain 8:00 pm (W,TR)</p>	<p>13 ITV: Teacher Request 1:00 am/12:00 midnight - 3:00/2:00 am (W) GED Connection 4:30/3:30 am (W,TR) Virsky: The Spirit of Ukraine 7:00 pm A Huey P. Newton Story 9:00 pm</p>	<p>14 ITV: SDE Newscast, What's in the News?, Lyric Language Italian Series 1&2 1:00 am/12:00 midnight - 3:00/2:00 am (W) Outdoor Idaho The Frank Church Wilderness 8:00/7:00 pm (W) Dialogue 8:30/7:30 pm (W)</p>	<p>15 ITV: Assessment in Math and Science: What's the Point? Is this Going to Count?, ScienceLine #104 1:00 am/12:00 midnight - 3:00/2:00 am (W,TR) GED Connection 4:30/3:30 am (W,TR) Idaho Reports 8:00 pm (W) Now With Bill Moyers 8:30 pm</p>	<p>9 Telecourses Continue (W,TR) Standard Deviants Sociology Secrets 9:00/8:00 am (W,TR) National Geographic Puma: Lion of the Andes 4:00/3:00 pm North Idaho College Forum 5:00/4:00 pm</p>
<p>17 Telecourses Continue 2:00/1:00 am (W,TR) Nature Dogs: The Early Years 8:00/7:00 pm (W) American Experience Monkey Trial 9:00/8:00 pm (W,TR)</p>	<p>18 ITV: Math Talk #113-120 1:00 am/12:00 midnight - 3:00/2:00 am (W) GED Connection 4:30/3:30 am (W,TR)</p>	<p>19 ITV: Real Science # 505-508 1:00 am/12:00 midnight - 3:00/2:00 am (W,TR) GED Connection 4:30/3:30 am (W,TR) NOVA Nazi Prison Escape 7:00 pm (W,TR) Navy Seals: The Silent Option 8:00 pm</p>	<p>20 ITV: Teacher Request 1:00 am/12:00 midnight - 3:00/2:00 am (W) GED Connection 4:30/3:30 am (W,TR) Whispers of Angels: A Story of the Underground Railroad 7:00 pm</p>	<p>21 ITV: SDE Newscast, What's in the News? Emerging Mexico, NASA Why Files The Case of the Inhabitable Habitat 1:00 am/12:00 midnight - 3:00/2:00 am (W,TR) Outdoor Idaho The Public's Land 8:00/7:00 pm (W)</p>	<p>22 ITV: Assessment in Math and Science: What's the Point? I Didn't Know This Was an English Class! ScienceLine # 105 1:00 am/12:00 midnight - 3:00/2:00 am (W) Idaho Reports 8:00 pm (W) Now With Bill Moyers 8:30 pm</p>	<p>16 Telecourses Continue (W,TR) Standard Deviants If At First You Don't Succeed, Triangles 9:00/8:00 am (W,TR) National Geographic Tigers of the Snow 4:00/3:00 pm</p>
<p>24 Telecourses Continue 2:00/1:00 am (W,TR) Nature Wild Horses of Mongolia with Julia Roberts 8:00/7:00 pm (W) American Experience Public Enemy #1 9:00/8:00 pm (W,TR) James Dean 10:00/9:00 pm</p>	<p>25 ITV: Math Talk # 121-122, Challenge of the Unknown # 1-4 1:00 am/12:00 midnight - 3:00/2:00 am (W) GED Connection 4:30/3:30 am (W,TR)</p>	<p>26 ITV: EcoSpeak: Coming to an Understanding #1-3 1:00 am/12:00 midnight - 3:00/2:00 am (W) GED Connection 4:30/3:30 am (W,TR) NOVA The Missing Link 7:00 pm (W,TR) Witness to Hope 8:00 pm</p>	<p>27 ITV: Teacher Request 1:00 am/12:00 midnight - 3:00/2:00 am (W) National Geographic The Incredible Human Body 7:00 pm Egypt's Golden Empire Warrior Pharoahs; Pharoahs of the Sun; Last Great Pharaoh 9:00 pm (W,TR)</p>	<p>28 ITV: SDE Newscast, What's in the News?, Visions of Idaho # 5-10 1:00 am/12:00 midnight - 3:00/2:00 am (W,TR) Outdoor Idaho Yellowstone in Winter 8:00/7:00 pm (W) Dialogue Historic Preservation 8:30/7:30 pm (W)</p>	<p>23 Telecourses Continue (W,TR) Standard Deviants And Justice For All 9:00/8:00 am (W,TR) National Geographic Dragons of the Galapagos 4:00/3:00 pm</p>	<p>16 Telecourses Continue (W,TR) Standard Deviants If At First You Don't Succeed, Triangles 9:00/8:00 am (W,TR) National Geographic Tigers of the Snow 4:00/3:00 pm</p>
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