



IDAHO PUBLIC TELEVISION

# Technology Toolbox for Teachers

## Frequently Asked Questions

### Answers to Your Common Inquiries

**Q. Why don't you list specific times for the programs during your instructional blockfeeds?**

**A.** To make it easier for teachers to build media libraries we air the programs back-to-back to try to fit in as many shows as possible. It is also easier for the media person at each school to set the tape machine for a two-hour blockfeed.

**Q. I missed taping a show, how do I make a request for it to be re-aired during the teacher request blockfeed on Wednesday mornings?**

**A.** To request a program to re-air on our Wednesday morning teacher requests, e-mail

[learning\\_services@idptv.pbs.org](mailto:learning_services@idptv.pbs.org) or call 1-800-424-1226 and we will do our best to get it scheduled for the first available slot.

**Q. Who may use IdahoPTV and PBS extended rights and how may they be used?**

**A.** The recording and use of IdahoPTV and PBS programs with extended educational rights is available to all teachers of preschool and K-12 children in the United States. The rights to use these recordings apply in instructional settings that include day care, preschools, homeschools, classrooms, and auditoriums.

**Q. May a teacher tape an IdahoPTV program at home and then use it with students in the classroom? Can someone**

**else can do the taping?**

**A.** Teachers may tape programs on their home VCR and use the videotapes in class for face-to-face instruction. Programs taped at home for use in the classroom are subject to the same rules as those taped in school. Students can tape the programs for the classroom teacher as well as parents and school media specialists.

**Q. How do I find out the school record rights?**

**A.** Find information at the Learn Web site [idahoptv.org/what/edrights.html](http://idahoptv.org/what/edrights.html) on off-air copyright for programs and series airing on IdahoPTV. Copyright length varies with each program, but most PBS programs have one-year extended copyright. Some

programs have unlimited rights, which means you can use the program as long as your videocassette still works. All IdahoPTV-produced programs have unlimited educational rights. However, there are some programs, which only have Fair Use rights, while others have rights of use up to six years. Your best bet is to check our Web site and check the rights for each program you want to keep in your library. Many of programs are rebroadcast, which then extends your rights.

**Q. What about the ITV blockfeeds? Are the rights different on these programs?**

**A.** Many of the programs on our ITV blockfeeds have extended copyright for the classroom for the "life

of the lease." In other words, as long as IdahoPTV leases the program, you can keep your copy for use in the classroom. We will note any programs we have discontinued in the September toolbox or will notify the contact at your school by e-mail.

Check out our web site [idahoptv.org/what/edrights.html](http://idahoptv.org/what/edrights.html) for more information on copyright related to a

specific program.

Learn more about copyright in general by exploring [www.nmjc.cc.nm.us/copyrightbay/default.html](http://www.nmjc.cc.nm.us/copyrightbay/default.html) — the Multimedia Wharf and Fair Use Harbor at Copyright Bay. There is also an informative online tutorial about copyright at [www.utsystem.edu/OGC/IntellectualProperty/cprindx.htm](http://www.utsystem.edu/OGC/IntellectualProperty/cprindx.htm) from the University of Texas.

### How to Use IdahoPTV in the Classroom

Tips to maximize the benefits of using video in the classroom include:

- **RECORD** to take advantage of extended taping rights by mastering the record function of the VCR..
- **USE** programs to convey or reinforce knowledge within a broader lesson context.
- **PLAN** an activity prior to viewing to provide a context for the viewing of the video.
- **PROVIDE** a focus for viewing to set the stage for "active viewing" — specific things students should look or listen for in the program segment.
- **INTEGRATE** the video into the learning experience by adding an experiential, or "hands-on" component to the lesson.
- **PAUSE** by using the remote control or the VCR pause button to keep students actively involved in the viewing. Use questions during the "pause" to motivate critical thinking and student participation: Why did that happen? How does this compare with that? What might happen next?
- **USE** the paused image on the television screen as an electronic blackboard, encouraging students to look closely at it for information or comparison.
- **STOP** the tape just long enough to have students record information, examine a chart or draw a diagram, then resume the tape for another brief period.
- **WEAVE** the video in and out of the lesson.
- **USE** the rewind and fast forward buttons to play the video that is directly relevant to the lesson objectives and learning outcomes.

## Check Out Our Web Resources

### [www.idahoptv.org](http://www.idahoptv.org)

Look to the Idaho Public Television Web site for time-saving tools. Here is a sample of the resources at your fingertips:

- **The complete IdahoPTV schedule for television programs you can trust.**  
Most PBS programs offer extended off-air taping rights for educators, which help you build your media resource library.
- **Quality program-related Web sites.**  
Most programs on IdahoPTV have companion Web sites which offer

background information, online discussions, interviews, online activities and teachers' guides. Many of the Web sites are excellent classroom resources, even if you are not using the related television show.

- **Fun, commercial-free activities for students.**  
PBS Online ([www.pbs.org](http://www.pbs.org)) provides educational online activities designed for students that allow them to learn important concepts without feeling like they are eating spinach!
- **Lesson plans, lesson plans, lesson plans.**  
Hundreds of ready-to-go lessons

on a wide variety of subjects will save you time, and help you provide quality learning experiences for your students. Many lessons also demonstrate effective ways to incorporate video and the Web into your teaching.

- **Connections to local outreach activities.**  
IdahoPTV is dedicated to serving the educational needs of our community. As IdahoPTV partners throughout the year with local school districts, universities, museums, youth groups, and other community members, we will keep you posted on enrichment and development opportunities near you and your students.

## Stay Informed About Idaho Education

Want to know what is happening in education around the state? It couldn't be easier! IdahoPTV's weekly State Department of Education Newscast features Public Information Officer Alison Westfall and continues this year on Thursday mornings at **1:00 a.m./12:00 midnight MT/PT** for you to

record and watch. You also can view each week's episode on our Web site at [www.idahoptv.org/learn](http://www.idahoptv.org/learn) — a new service this year.

Immediately after the State Department of Education Newscast is the series **WHAT'S IN THE NEWS?** The weekly

program uses current events as a springboard for exploring history, geography, government, world cultures, science, and language arts for grades four through eight. **WHAT'S IN THE NEWS?** is a commercial-free way to explore the headlines with your students.

### Are You Receiving IdahoPTV?

There are two ways to pick up Idaho Public Television programs: over the air via the system's main transmitters and translators or through a local cable provider. The IdahoPTV signal cannot be received with a satellite dish.

If you are still unsure of how to tune in to Idaho Public Television you can check the IdahoPTV Web site [idahoptv.org/about/wheretofind.html](http://idahoptv.org/about/wheretofind.html) or call 1-800-424-1226, or e-mail [learning\\_services@idptv.pbs.org](mailto:learning_services@idptv.pbs.org) to verify the translator channel for your area.

### KEY to our monthly calendars:

**ITV:** Instructional Television developed especially for classroom use. These programs are fed Monday-Friday mornings from 1:00 a.m./12:00 midnight to 3:00/2:00 a.m. MT/PT

**TR:** Teacher Resource – Lesson plans, teacher guides available on Web site.

**W:** Web Site – This program has a companion web site. Often with additional information and activities available for students. Check the IdahoPTV Web site [idahoptv.org](http://idahoptv.org) for easy links to program sites.

### Education Record Rights

**Fair Use** – Use within 7-10 days of recording  
**1 year** – Keep the tape for a year!

**LL** – Life of Lease – For as long as IdahoPTV purchases the rights to these programs you can keep in your media library.

**UNL** – Unlimited – You can keep these for the life of the tape. All of IdahoPTV's own productions have unlimited rights for teachers!

## Make Television Viewing Healthy

### TV is a problem when:

- It exposes students to so much violence they accept it as a normal response to conflict.
- It convinces students they are measured by what they own.
- It deals with inappropriate subjects.
- It promotes negative behavior patterns.
- It dominates too much time.
- It encourages students to buy things they do not need.
- It presents gender, racial or cultural stereotypes.
- It takes up so much of a student's time it hinders their development.

### TV is good when:

- It encourages creativity and critical thinking
- It encourages students to participate in song, dance, etc.
- It entertains.
- It reinforces healthy values and ideals.
- It exposes students to other cultures and people.
- It helps students appreciate others.
- It can be extended into conversation and debate.
- It inspires enthusiasm for reading and learning.

### Teachers can use TV to:

- Provide a common experience.
- Enhance learning.
- Teach for different learning styles.
- Stimulate imagination.
- Offer a different perspective or approach to a subject.
- Connect students to far away places.
- Demonstrate abstract ideas.
- Stimulate critical thinking.
- Equalize educational opportunities.
- Enhance self-respect and break down social stereotypes.
- Promote critical viewing skills and media awareness.

Visit our Web site for detailed program information at [idahoptv.org/learn/](http://idahoptv.org/learn/)

# Technology Toolbox for Teachers

## A Guide for Using TV in the Classroom



HIGH SCHOOL/MIDDLE SCHOOL EDITION

SEPTEMBER 2001 VOLUME 4 ISSUE 1

## IdahoPTV Goes Back to School

As students and teachers head back to the classroom this year, IdahoPTV and PBS examine the profession of teaching. Series and programs explore classroom experiences from the struggles of a first year teacher to accomplishments of individuals who have been recognized for excellence in the field. We also take a look back at the roots of education in America and where public education is going.

**SCHOOL: THE STORY OF AMERICAN PUBLIC EDUCATION** (1 year) (2 hrs) airs **Monday, September 3 and Tuesday, September 4 at 8:00 p.m. MT/PT**

This four-part series chronicles the dramatic history of America's struggle to educate all of its citizens and unite them as a nation. Ten years in the making, the series journeys through history, and across the nation, with a portrait of the development of American education.

### Sept. 3:

**The Common School (1770-1890)** traces the creation of an American tax-supported system to educate every citizen, rich or poor. The goal: Establish a common ground to bridge differences and preserve the infant democracy.

**As American as Public School (1900-1950)** recalls the compelling story of how massive immigration, child labor laws and the explosive growth of cities transformed the nation's classrooms.

### Sept. 4:

**Equality (1950-1980)** covers the tempestuous era when public schools became a major battleground as minorities and women fought for equal rights, resources and opportunities.

**The Bottom Line (1980-Present)** explores the wide range of free-market experiments — from vouchers to charter schools — that emerged in the wake of *A Nation at Risk*, the Reagan administration's report on America's education crisis.

The companion Web site

[www.pbs.org/publicschool/](http://www.pbs.org/publicschool/) examines the key themes, scholarly perspectives, and topical questions for each of the four episodes.

**ONLY A TEACHER** (1 year) (1 hour) airs **Monday-Wednesday, September 3-5 at 10:00 p.m. MT/PT**

This documentary series explores the diverse faces and many roles of the American teacher from the 1820s to the present, forming a dialogue between teachers past and present about issues confronting them throughout the years. Film and television clips and comic stereotypes



present popular perceptions — and misperceptions — of teachers.

**A Teacher Affects Eternity** focuses on the importance of teachers in the lives of students, emphasizing their crucial influence as role models and upholders of society's norms.

**Those Who Can ... Teach** traces the early development of school bureaucracies and the attendant rise of teachers' unions. The episode also examines teacher training, salaries and working conditions, and exposes America's ambivalence towards a profession practiced mostly by women.

**Educating to End Inequity** delves into teachers' efforts to level the educational — and social — playing field for their students.

The companion Web site

[www.pbs.org/onlyateacher/](http://www.pbs.org/onlyateacher/) provides additional information about the history of



teaching and looks at some of the issues facing educators today.

**TEACHERS & THEIR COACHES (LL)** (30 min) airs **Friday mornings September 7-October 12 at 2:30/1:30 a.m. MT/PT during the instructional block-feed.**

The series provides practical information for new teachers. Content is rooted in research and demonstrated by real-life educators who often acquired this wisdom from the best teacher of all — experience.

**FIRST YEAR** (1 year) (90 min) airs **September, 11 at 10:00 p.m. MT/PT**

This documentary follows five teachers, new to the profession, through their first school year in Southern California. The experiences of the teachers reflect the diverse community they serve. They are shown working with children, teenagers and adults, spending extra time reaching out to troubled students, dealing with recent immigrants who are learning English as a second language and struggling against an unresponsive system.

**NO GREATER CALLING (UNL)** (1 hr) airs **Friday, September 21 at 8:00 p.m. MT/PT**

This program introduces six teachers from around the country who have been recognized for excellence in the classroom, illuminating the strength of education when teachers aspire to excellence and demonstrate an extraordinary level of dedication to education.

## Technology Toolbox Comes In New Format

Each month, Idaho Public Television provides information to you about programming and resources suitable for use in the classroom in our monthly newsletter *Technology Toolbox for Teachers*.

This year, based on input from teachers, we are making the *Technology Toolbox* calendar easier for you to use. It is available now in electronic form to download from the Internet at [www.idahoptv.org/learn/](http://www.idahoptv.org/learn/) or by e-mail, both in a printer-friendly 8 1/2" x 11" PDF. With this new format, you will be able to download and print from home, school, or wherever you are creating your lesson plans. If you would still like a hard copy — we will continue to send 10 copies to your school. Sign up for your copy: by e-mail, [learning\\_services@idptv.pbs.org](mailto:learning_services@idptv.pbs.org) or online at [www.idahoptv.org/learn/](http://www.idahoptv.org/learn/) on the IdahoPTV Web site.

As an agency of the Idaho State Board of Education, Idaho Public Television operates a statewide television network and Web site. As part of the IdahoPTV mission, the agency provides Idaho educators with quality video and teaching materials that are tailored for Idahoans. We are constantly on the lookout for programs, related Web sites, and even local events to complement the work you do in the classroom, and help you provide Idaho students with additional learning tools.

Please feel free to e-mail, call, or FAX any of your concerns or suggestions to us. We love to hear from you and want to help provide you with the best resources available.

*Kris Freeland*

Kris Freeland  
Education Specialist  
Idaho Public Television (IdahoPTV)

IdahoPTV Learning Services  
1-800-424-1226  
Fax: 1-208-885-5711  
E-mail: [learning\\_services@idptv.pbs.org](mailto:learning_services@idptv.pbs.org)  
Web site: [idahoptv.org/learn/](http://idahoptv.org/learn/)

**Save This Issue**

Use this back-to-school issue of *Technology Toolbox* for a year's worth of curriculum links, Web resources and broadcast highlights!

## Catch New Science Programs on Blockfeed

Some great programs to complement the intermediate level science curriculum air during the instructional blockfeeds this month! The block-feeds air **Monday-Friday mornings 1:00 a.m./12:00 midnight to 3:00/2:00 a.m. MT/PT**. The program lengths vary so set the VCR for the entire blockfeed. Check our Web site at [www.idahoptv.org/itv/](http://www.idahoptv.org/itv/) to find the month's blockfeed schedule, additional episode information and links to companion Web sites.

**INTEGRATED SCIENCE: THE ENVIRONMENT (LL)** airs **Tuesdays, September 4 and 18**

This series taps into a growing concern about the environment. It helps students

consider the concept of biomes, enlarging their view to include the entire biosphere, and the effect people have on the various ecosystems.

**LAND TO LANDFILL (LL)** airs **Tuesday, September 18**

This series helps students develop a systems perspective on the crucial topic of how we get our food, how we consume and dispose of it and how food is packaged. The series also examines the issue of future food sources.

**VISUALIZING CELL PROCESSES (LL)** airs **Tuesday, September 11**

New this year, each of these five 15-minute programs presents a series of

short, modules 1-2 minutes long within a program theme demonstrating a cell process.

Modules are: 1. Cells and Molecules; 2. Cell Movement and Transport; 3. Photosynthesis and Cellular Respiration; 4. DNA Replication, Mitosis and Cell Reproduction; and 5. The Genetic Code and Its Translation.

Also be sure to check out:

**SUPERBUGS: THE KILLER VIRUSES** (1 year) (1 hr) airs **Tuesday, September 18 at 10:00 p.m. MT/PT** The program explores the history of nature's microscopic invaders and their global impact on humankind.

### Key to program listings:

Program title

**SCHOOL: THE STORY OF AMERICAN PUBLIC EDUCATION** (1 year) (2 hrs) **airs Monday, September 3 and Tuesday, September 4 at 8:00 p.m. MT/PT**

Ed rights

Dates program airs

Time program airs in Mountain, Pacific time zones

Visit our Web site for detailed program information at [idahoptv.org/learn/](http://idahoptv.org/learn/)



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## David Halberstam Visits Idaho In October

**DIALOGUE (UNL)** (1 hr) airs  
Thursday, October 4 at 8:00/7:00  
p.m. MT/PT

Idaho Public Television in partnership with the Idaho Humanities Council is bringing Pulitzer prize-winning journalist and author **David Halberstam** to the small screen.

Halberstam, the featured speaker for the Humanities Council this fall, also will appear in a special hour-long

### Dialogue

DIALOGUE, taking questions from viewers. Start the school-year reading one of his works and encourage your students to call in (1-800-973-9800) and ask their questions!

Host, Marcia Franklin also will moderate a special forum for teachers attending the Idaho Social Studies Conference, **Friday, October 5 at 10:00 a.m. MT at Boise High School.** All teachers of the humanities are encouraged to attend. For more information call Russ Heller of the Boise School District at 208-338-3456 x117.

**Suggested readings:** *The Best and the Brightest, The Children, The Fifties.*

## Use New Series for GED Preparation

**GED CONNECTION (FAIR)** (1 hr), is a new series that prepares viewers to take the newly revised GED exam.

**GED CONNECTION** uses an engaging documentary-style approach to instruction, with many real-life examples of how people use the skills and knowledge tested on the GED at work, at home and in their communities. The series combines interviews with experts, learners, poets, and scientists with documentary footage and informational graphics.

We will begin airing **GED CONNECTION** beginning October 1 in the early morning hours. Check the October overnight schedule for the start time. The series runs daily Monday through Friday and will be repeated each month throughout the school year.

## Professional Development Workshops Air Fridays

Once again this year we are offering professional development courses from CPB/ANNENBERG on our **Friday morning** instructional blockfeeds **1:00 a.m.12:00/midnight to 3:00/2:00 a.m. MT/PT.** There are two graduate credits available for each of these workshops from Colorado State University. Take a class with your colleagues, have discussion groups within your building and/or district, or discuss the issues with colleagues from around the nation.

For the fall semester it is recommended you begin viewing the series by October 19. The last day to enroll for this semester is November 9. Deadline for mailing in coursework is December 7.

The first workshop is **MATHEMATICS: WHAT'S THE BIG IDEA?** (1 year) (90 min) which airs **September 7 to October 19.**

This eight-part workshop offers motivation and tools to teachers of mathematics who want to explore new ways of teaching. K-8 teachers of mathematics will contemplate intriguing questions about math and student understanding.

Visit the Web site [www.learner.org/channel/workshops/](http://www.learner.org/channel/workshops/) for registration information, course materials, and to see what other workshops are available. If you see a workshop you would like featured Friday mornings, give us a call at 1-800-424-1226 or send an e-mail to [learning\\_services@idptv.pbs.org](mailto:learning_services@idptv.pbs.org) and we will try to get it on the air!

## Look at Globalization in Workplace

### New Sunday Series Explores Social Class in America

**LIVELYHOOD PLANET WORK: FINDING SOLUTIONS IN THE WORLD WIDE WORK WORLD** (1 year) (1 hr) airs **Fridays, August 31 and September 7 at 8:00 p.m. MT/PT**

Globalization of the world economy is transforming the way people work. On a search for solutions to the growing problems of a smaller world, this two-part program introduces people and businesses pioneering new models, where corporate, employee and community interests merge.

- **Making the Planet Work** Host Will Durst seeks out people who are tackling the income gap, digital

divide, poor working conditions and the homogenization of culture in the workplace.

- **Working the Planet** Most people's work lives are affected by globalization — in ways that we are just beginning to see. Explore how the culture of everyday work life is changing and the challenges the new economy poses to human relationships, from differences in culture, language and time zones.

Visit the Web site [www.pbs.org/livelyhood/](http://www.pbs.org/livelyhood/) for teacher's guides and additional insights.

**PEOPLE LIKE US: SOCIAL CLASS IN AMERICA** (1 year) (2 hrs) airs **Sunday, September 23 at 9:00/8:00 p.m. MT/PT**

This two-hour documentary explores how social class plays a role in the lives of all Americans. Crammed with humor, poignancy and unexpected insight, **PEOPLE LIKE US: SOCIAL CLASS IN AMERICA** offers no easy answers to an often-disturbing social portrait. Instead, it provokes discussion of a topic that Americans either do not think about or prefer to avoid. The companion Web site [www.pbs.org/peoplelikeus/](http://www.pbs.org/peoplelikeus/) has lesson plans, and interactive activities for students.

## Explore Power of Water, Mayans



**WORLD OF NATIONAL GEOGRAPHIC The Power of Water** (1 year) (1 hour) airs **Tuesday, September 5 at 7:00 p.m. MT/PT and Saturday, September 8 at 4:00/3:00 p.m. MT/PT**

Only three percent of the earth's water is fresh water — yet farmers, fishermen, power plants, human populations and fragile ecosystems all depend on it for survival. Damming, rerouting and draining have diminished the United States' water supply, and now humans, animals and the environment are paying the price. The *Power of Water* highlights hot spots in the midst of water controversy: Dams on the Columbia River, the pollution of Love Canal; the Everglades' slow return to a healthy habitat; the plains' dangerously low aquifers; and the shrinking Colorado River.

**WORLD OF NATIONAL GEOGRAPHIC Lost Kingdoms of the Maya** (1 year) (1 hour) airs **Saturday, September 1 at 4:00/3:00 p.m. MT/PT**

This program examines the ancient culture of the Maya, one of the most highly developed civilizations of its time. The Maya built great cities in the tropical forests of Mexico and Central America. They wrote, painted, sculpted, built towering pyramids, and developed astonishingly accurate calendars. Their mathematics and astronomy reached amazing levels of sophistication. Then, suddenly the Mayan civilization mysteriously collapsed. Today, archaeologists can only theorize as to why. The show visits ruins of Mayan cities and recreates ancient rituals to help students gain insight into this once dynamic culture.

## Examine the News, Newsmakers

**MEDIA MATTERS** (1 year) (1 hr) airs **Friday, September 28 at 8:00 p.m. MT/PT**

**MEDIA MATTERS** examines how well the news media is doing its crucial job of informing the public. This episode features three stories, which examine the media at work. The stories are: How the business press covered the dot.com boom and whether it ignored signs of a coming bust; how newspapers in York, Pennsylvania dug up the dirt on the mayor and implicated him in a 1969 race murder; and a profile of *Chicago Tribune* rock critic Greg Kot, which considers whether the 44-year-old writer can remain relevant in the youth-obsessed world of pop music.

The Web site [www.pbs.org/mediamatters/](http://www.pbs.org/mediamatters/) provides additional questions and exercises to

further explore issues raised by the program, including reporting ethics, the intersection of business and journalism and the impact of electronic media on newspapers.

**PRESS SECRETARY** (1 year) (1 hr) airs **Monday, September 17, at 9:00 p.m. MT/PT**

This behind-the-scenes case study examines technology and governance at the world's most powerful news source — the White House. Following former White House Press Secretary Joe Lockhart and his staff in the days leading up to a formal presidential press conference, the program considers the consequences of the ever-increasing demand for information and how that insatiable appetite for news has transformed the relationship between the American public and its government.

## Celebrate the Arts With IdahoPTV

From defining the classics to looking at the contemporary, the arts are an important part of the curriculum. This month, check out the following mini-series to supplement your teaching.

**SISTER WENDY'S AMERICAN COLLECTION** (1 year) (2 hr) airs **Wednesday, September 5, 12, 19 at 8:00 p.m. MT/PT**

This mini-series moves beyond the world of Leonardo and Monet to explore the wider riches of six of America's greatest museums: Boston's Museum of Fine Arts, Fort Worth's Kimbell Art Museum, New York's Metropolitan Museum of Art, Los Angeles County Museum of Art, Art Institute of Chicago and Cleveland Museum of Art. Visit the companion Web site [www.pbs.org/sisterwendy](http://www.pbs.org/sisterwendy) for additional information.

**CHANGING STAGES** (1 year) (2 hr) airs **Sunday September 2, and 9 at 9:00 p.m. MT/PT**

Sir Richard Eyre, one of the most respected directors in contemporary theater, takes viewers on a grand tour of 20th-century drama.

- **September 2** Eyre examines the work of Eugene O'Neill, Tennessee Williams and others in the context of the Great Depression, the "American Dream," the Cold War, and the birth of the American musical. He also considers the glamour and nostalgia of British drama in wartime.
- **September 9** Eyre explores the legacy of theater giants Bertolt Brecht and Samuel Beckett, then surveys some groundbreaking contemporary work.



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## Personal Stories Illuminate Intimate Portrait of Africa

**AFRICA** (1 year) (1 hr) airs Sundays, beginning September 9 at 8:00/7:00 p.m. MT/PT

**AFRICA** is the first television series to explore the continent through the eyes of Africans, illustrating the dynamic relationship of Africa's human history, environment and culture. The series, which airs weekly through Sunday, October 28, combines natural history of the continent's different regions with stories of contemporary inhabitants.

- Sept. 9 - Savanna Homecoming
- Sept. 16 - Desert Odyssey
- Sept. 23 - Voices of the Forest
- Sept. 30 - Mountains of Faith

Visit the companion Web site [www.pbs.org/africa/](http://www.pbs.org/africa/) to download teacher guides, and learn more about the people, traditions, and folklore of the African people. You can even take a virtual tour of the eight key environmental regions.

## PBS Takes In-Depth Look at Evolution Theory

**EVOLUTION** (1 year) (2 hrs) airs Monday-Thursday, September 24-27 at 8:00 p.m. MT/PT

Charles Darwin altered the scientific landscape 142 years ago with his theory, which proposed all life evolved from a single organism over hundreds of millions of years. Since then, scholars, theologians and scientists have studied and debated his theory of evolution by natural selection.

This series presents evolution from the perspective of science journalism, bringing to life Darwin's simple theory that forms the bedrock of today's biology.

• September 24

**Darwin's Dangerous Idea** The first show interweaves the drama of Darwin's life with current documentary sequences, introducing key concepts of evolution.

• September 25

**Great Transformations** What underlies the incredible diversity of life on Earth? How have complex life forms evolved? The journey from water to land, the return of land mammals to the sea and the emergence of humans all suggest that creatures past and present are members of a single tree of life.

**Extinction!** Five mass extinctions have occurred over the life of the planet. Are humans causing the next mass extinction? And what does

evolutionary theory predict for the world we will leave our descendants?

• September 26

**The Evolutionary Arms Race** "Survival of the fittest" — raw competition or intense cooperation? Both are essential. Interactions among species are some of the most powerful evolutionary forces on Earth. Understanding them may be a key to our own survival.

**Why Sex?** In evolutionary terms, sex is more important than life itself. Sex fuels

evolutionary change by adding variation to the gene pool. The urge to pass on genes has shaped our own lives — perhaps much of human culture is a result of sexual drives.

• September 27

**The Mind's Big Bang** Fifty thousand years ago, something happened — the modern human mind emerged, triggering a creative, technological and social explosion. What forces contributed to that breakthrough? Where might our

power of mind ultimately lead?

**What About God?** Of all species, humans alone attempt to explain who we are and how we came to be. This final episode explores the struggle between science and religion. Through the personal stories of students and teachers, it offers the view that they are compatible.

Visit the companion Web site [www.pbs.org/evolution](http://www.pbs.org/evolution) for lesson plans, background information and a range of interactive activities for students.

## DIALOGUE Discusses Evolution

**DIALOGUE** (UNL) (1 hour) airs Thursday, September 27 at 7:00/6:00 p.m. MT/PT, repeats Sunday, September 30 at 5:00/4:00 p.m. MT/PT.

Host Joan Cartan-Hansen and a panel of experts discuss the theory of evolution and the ongoing religious debate surrounding it on Idaho Public Television's statewide

public affairs call-in show. Cartan-Hansen and the panel also will take questions from viewers on a toll-free line: 1-800-973-9800. There is no call-in on the Sunday repeat.

## Watch For These Programs In The Months To Come

### October

- NOVA Search for a Safe Cigarette P.O.V. 5 Girls
- LIFE 360
- AFRICA continues
- SCIENTIFIC AMERICAN FRONTIERS Pet Tech, Gene Hunters, Dead Men's Tales
- AMERICAN ROOTS MUSIC
- LOCAL NEWS

### November

- NATURE Polar Bear Invasion
- SCIENTIFIC AMERICAN FRONTIERS Alien Invasion, Growing Up Different, Warship
- NOVA Spies & Flies, Neanderthal on Trial, Life's Greatest Miracle
- SPECIAL EFFECTS: TITANIC AND BEYOND
- NATIONAL GEOGRAPHIC SPECIAL Air Force One, Inside the Vatican, Return of the Wolf
- AMERICAN EXPERIENCE War Letters, Quincy Jones
- SECRETS OF THE PHAROAHs

### December

- NOVA Methusela Tree, The Perfect Pearl
- WORLD OF NATIONAL GEOGRAPHIC Tigers of the Snow
- NATURE Extraordinary Birds
- NOVA Flying Casanovas
- NATURE Showdown at Grizzly Ridge

## Telecourses Offer Credit, Enrichment

Telecourses via IdahoPTV provide opportunities for AP or Dual Enrollment classes, or can supplement your own curriculum. Idaho Public Television is airing 12 telecourses this fall, eight of which are available for college credit through Boise State University. Telecourses begin September 8. All of the telecourses fall under Fair Use guidelines.

**Courses available for credit:**

**Saturday Mornings**

- **United States History** (HIST 101) SHAPING AMERICA (1:00 a.m./12:00 midnight)
- **Survey of World Regional Geography** (GEOG 210): THE POWER OF PLACE (2:00/1:00 a.m. MT/PT)
- **History of Western Civilization** (HIST 101) THE WESTERN TRADITION (3:00/2:00 a.m. MT/PT)

### Consider Telecourses Dual Enrollment Courses

According to SBOE guidelines on Dual Enrollment, district teachers may also be eligible to teach Dual Enrollment courses. Consider the opportunity! Also consider taping the telecourses to supplement your own curriculum.

More detailed information on telecourse content is at the IdahoPTV Web site [idahoptv.org/learn/](http://idahoptv.org/learn/) and includes supporting print and Web resources, and how to registration for credit. Look for additional telecourses in January, 2002.

- **Intro to Multiethnic Studies** (SOC 230) DEALING WITH DIVERSITY (4:00/3:00 a.m. – 6:00/5:00 a.m. MT/PT)
- **Career and Life Planning** (UNIV 108) CAREER ADVANTAGE (6:00/5:00 a.m. MT/PT)

**Sunday Mornings**

- **Intro to Descriptive Astronomy** (PHYS 105)

UNIVERSE: THE INFINITE FRONTIER (2:00/1:00 a.m. MT/PT)

- **Fundamentals of Geology** (GEOL 100) THE EARTH REVEALED (3:00/2:00 a.m. MT/PT)

- **General Psychology** (PSYC 101) DISCOVERING PSYCHOLOGY (4:00/3:00 a.m. MT/PT)

### Additional Courses offered this fall include:

- **English Composition** (ENGL 101) Sunday mornings at 5:00/4:00 a.m. MT/PT
- **Introduction to Spanish:** DESTINOS (Mondays and Thursdays at 5:30/4:30 a.m. MT/PT; 2 new episodes a week)
- **English as a Second Language:** CONNECT WITH ENGLISH (Tuesdays and Fridays at 5:30/4:30 a.m. MT/PT; Tuesday episode repeats on Friday)
- **Introduction to French:** FRENCH IN ACTION (Wednesdays at 5:30/4:30 a.m. MT/PT)

## Services Provide Access For All Students

Thanks to a partnership between the Idaho School for the Deaf and Blind and Idaho Public Television, our programs have become more accessible to the vision-impaired and blind in Southwest and North Idaho.

Descriptive Video Service (DVS) provides narrated descriptions of a program's key visual elements such as actions, settings, body language and graphics, without interfering with the program dialogue.

The Idaho School for the Deaf and Blind is working with regional advisors to teachers and parents of sight-impaired students to integrate DVS into training materials. Many of the programs that are used in the classroom are provided with DVS. A partial list includes NOVA, SCIENTIFIC AMERICAN FRONTIERS, NATURE and AMERICAN EXPERIENCE. To access DVS, you need a stereo TV or VCR with a Second Audio Program feature (SAP). Most TVs or VCRs purchased after 1996 are SAP equipped.

For hearing impaired students, many of our programs are closed captioned (CC). Closed captions display spoken dialogue as text on the television screen.

A number of studies have shown that captioning is an invaluable aid for ESL students and can improve students' word recognition and reading scores.

To access closed captions, you need a TV 13" or larger, manufactured after 1993.

Visit our Web site for detailed program information at [idahoptv.org/learn/](http://idahoptv.org/learn/)