

# Technology Toolbox for Teachers



IDAHO  
PUBLIC  
TELEVISION

A Guide for Using Media in the Classroom

HIGH SCHOOL/MIDDLE SCHOOL EDITION

JANUARY 2002 VOLUME 4 ISSUE 5

## Follow Idaho's Government

With the current budget crisis facing our schools and the state, it is more important than ever to become involved and stay informed about issues facing Idaho. Tune into Idaho Public Television for the **Governor's State of the State Address** airing Monday, January 7 at 8:00/7:00 p.m. MT/PT; and the **State of the Budget Address** airing Wednesday, January 9 at 11:00/10:00 a.m. MT/PT and 10:00 p.m. MT/PT.

**IDAHO REPORTS (UNL) (30 min)** airs Fridays, beginning January 11 at 8:00 p.m. MT/PT and repeats Sundays at 5:00/4:00 p.m. MT/PT. The IdahoPTV team will follow the Legislature as it gears up in January, and will bring in-depth analysis of the issues that impact your life throughout the session. Visit the Web site [www.idahoptv.org/idreports/index.html](http://www.idahoptv.org/idreports/index.html) for additional information and perspectives.



*IDAHO REPORTS* hosts Marcia Franklin and Jim Peck report on Idaho Legislature activity. The series begins January 11.

From a look at what is happening during the legislative season to an in-depth analysis of how the brain functions, this month's selections provide a wealth of resources for use in the classroom.

The best thing about these resources is they are free to use in your classroom and most of the programs available on IdahoPTV have extended copyright for teachers. Our Web site [idahoptv.org/what/edrights.html](http://idahoptv.org/what/edrights.html) contains a monthly listing of extended record rights for teachers. Or, go to <http://www.pbs.org/teachersource/copyright/copyright.shtm> for additional information about copyright for teachers.

My best wishes for a peaceful and productive New Year,

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## Troubled Teens Find Help in the Desert

**OUTDOOR IDAHO Desert Therapy (UNL) (1 hr)** airs January 17 at 8:00/7:00 p.m. MT/PT; repeats Sunday, January 20 at 7:00/6:00 p.m. MT/PT

The desert, with its harshness, has challenged inhabitants and visitors alike. Now the rugged



beauty of the desert is being used to help troubled teenagers find a road map for life.

This new hour-long OUTDOOR IDAHO follows a group of youth at SUWS near Gooding, Idaho. The camp is one of the country's oldest wilderness therapeutic programs. Teens make their way through 21 days in the sagebrush. Educational material related to the program is available on [idahoptv.org](http://idahoptv.org) under the "Production" heading.

## Documentaries Trace Technological Advancements

**MILL TIMES (1 yr) (1 hr)** airs Wednesday, January 2 at 7:00 p.m. MT/PT

Based on renowned author-illustrator David Macaulay's book, *Mill*. MILL TIMES takes students back in time to the dawn of the industrial revolution, beginning with the founding of America's first textile mill in the 1790s and ending in modern times. With Macaulay as host, the program seeks answers to: How does a power loom work? How does river water make wheels turn and machines run? What happened to the once formidable New England textile industry?

**DIGITAL TV: A CRINGELY CRASH COURSE (UNL)** airs Friday, January 4 at 10:30 p.m. MT/PT

Digital television (DTV) is about to change home entertainment and lifelong education forever. Television technology hasn't changed radically since its inception in the 1940s and it is time for TV to play catch-up. Robert X. Cringely explains terms such as analog, digital, spectrum, high definition and aspect ratio and what it means for viewers. The transition to digital means viewers will receive a much clearer picture, more viewing choices and a wealth of information services. DTV's "leftover megabits" translate to greater transmission capabilities. For example, IdahoPTV currently broadcasts only one schedule of programs; with DTV, there can be as many as four. Those spare megabits can also be used for "data-dumping." Not only can you watch the show, but lesson plans can also be zipping simultaneously onto your PC for storage as data files. Visit [idahoptv.org](http://idahoptv.org) for more information.

**FRONTLINE Dot Con (1 yr) (1 hr)** airs Thursday January 24 at 9:00 p.m. MT/PT

When the Internet bubble burst in March 2000, unlucky investors watched more than \$3 trillion of their money disappear. What spurred the incredible dot-com bull run on Wall Street? Was the public blinded by dreams of small fortunes and easy living or did the nation's investment banks manipulate the IPO market and exploit public trust? FRONTLINE investigates the financial forces behind the unprecedented rise and seemingly overnight fall of the Internet economy. Visit [www.pbs.org/frontline](http://www.pbs.org/frontline) for additional background.

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

# JANUARY 2002



ALL TIMES LISTED MT/PT

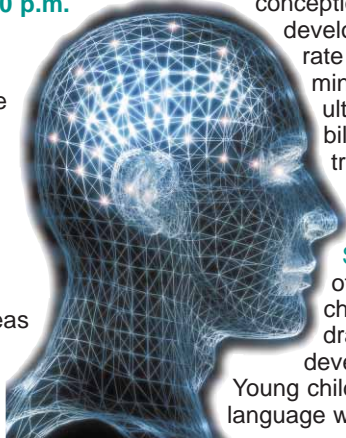
KAID 4 BOISE  
KIPT 13 TWIN FALLS  
KISU 10 POCATELLO  
KUID 12 MOSCOW  
KCDT 26 COEUR D'ALENE

## Series Investigates the Mysteries of the Brain

**THE SECRET LIFE OF THE BRAIN (1 yr) airs Tuesdays, January 22 and 29, February 5 and 12 at 8:00 p.m. MT/PT**

THE SECRET LIFE OF THE BRAIN explores the map of the brain that emerged from the past decade of neuroscience. The new view of this complicated organ contradicts much of what we previously believed. Visit [www.pbs.org/brain](http://www.pbs.org/brain), which features several interactive areas including a tour of brain anatomy and a visual explanation of brain scanning.

**Note:** The length for Jan 22 is two hours; the other episodes are each one hour.



**January 22 The Baby's Brain: Wider than the Sky** — Less than a month after conception, brain cells are developing at the astonishing rate of half a million per minute. The brain is ultimately comprised of billions of cells linked by trillions of connections.

**January 22 The Child's Brain: Syllable from Sound** — The explosion of language in young children provides a dramatic illustration of the developing brain at work.

Young children respond to language with the entire brain.

**January 29 The Teenage Brain: A World of Their Own** — New research offers potential comfort to parents who believe

teenagers are different. During puberty, the brain is a work in progress, teeming with hormones, while the areas that direct reasoning and impulse control are still in development.

Coming in February is a look at the adult brain and the brain as it ages.

**FRONTLINE Inside the Teenage Brain (1 yr) (1 hr) airs Thursday, January 31 at 9:00 p.m. MT/PT**

It is the mystery of mysteries—especially to parents. Now the experts are exploring the recesses of the brain and finding explanations for why adolescents behave the way they do. FRONTLINE looks at how the new discoveries can change the way we teach, or perhaps even understand, our teenagers. Visit [www.pbs.org/frontline](http://www.pbs.org/frontline) for more information.

## Professional Development Series Begins

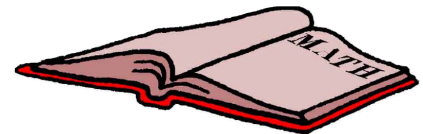
**In Search of the Novel (1 yr) (8, 1hr episodes) airs Friday mornings, beginning January 4 during the instructional block feed 1:00 a.m./12:00 midnight - 3:00/2:00 a.m. MT/PT**

For middle and high school educators, this collection of eight one-hour workshops feature innovative classroom activities and interviews with the authors of ten of the most popular novels on school reading lists. Best of all, the series reminds us that teaching the novel can be just plain fun.

Colorado State University is offering two graduate credits for only \$125. Visit the Web site [www.learner.org/channel/workshops/isonovel/](http://www.learner.org/channel/workshops/isonovel/) for information on how to participate and earn graduate credit.

**MATHLINE ALGEBRAIC THINKING PROJECT (1 yr) (Various lengths) airs Monday mornings during the instructional block feed 1:00 a.m./12:00 midnight - 3:00/2:00 a.m. MT/PT**

This series has video lessons modeling teaching algebraic concepts, and shows how to develop these concepts in grades three through eight and provides a forum to discuss issues raised. More information is on the Web at [www.pbs.org/mathline](http://www.pbs.org/mathline).



## IdahoPTV Telecourses Give College Opportunity to Non-Traditional Students

Telecourses offer opportunities for Advanced Placement, Dual Enrollment classes, or as a curriculum supplement. According to State Board of Education guidelines, district teachers may be eligible to teach Dual Enrollment courses. The Idaho PTV Web site [idahoptv.org/learn/](http://idahoptv.org/learn/) offers detailed information on telecourse content and registration for credit.

Information on taking the courses for credit is also available by calling BSU at 1-800-824-7017. Spring Telecourses Begin Saturday, January 26 and Sunday, January 27.

### SATURDAYS (All times listed MT/PT)

United States History (HIST 111)  
SHAPING AMERICA, 1:00 a.m./12:00 midnight - 2:00/1:00 a.m.

Survey of World Regional Geography (GEOG 210)  
POWER OF PLACE, 2:00/1:00 a.m. - 3:00/2:00 a.m.

History of Western Civilization (HIST 102)  
WESTERN TRADITION PART II, 3:00/2:00 a.m. - 4:00/3:00 a.m.

Introduction to Multiethnic Studies (SOC 230)  
DEALING WITH DIVERSITY, 4:00/3:00 - 6:00/5:00 am

Career and Life Planning (GENED 115)  
CAREER ADVANTAGE, 6:00/5:00 a.m. - 7:00/6:00 a.m.

### SUNDAYS

Foundations of Physical Science (PHYS 100)  
MECHANICAL UNIVERSE, 2:00/1:00 a.m. - 3:00/2:00 a.m.

Fundamentals of Geology (GEOL 101)  
EARTH REVEALED, 3:00/2:00 a.m. - 4:00/3:00 a.m.

General Psychology (PSYC 101)  
DISCOVERING PSYCHOLOGY, 4:00/3:00 a.m. - 5:00/4:00 a.m.