

Technology Toolbox for Teachers

A Guide for Using Media in the Classroom



IDAHO
PUBLIC
TELEVISION

ELEMENTARY/MIDDLE SCHOOL EDITION

MARCH 2002 VOLUME 4 ISSUE 7

Strike it Rich in Idaho's Past

Add these great resources to your fourth grade history units!

GOLD RUSH TOWNS AND GHOST TOWNS, AN OUTDOOR IDAHO SPECIAL (1hr) (UNL) Airls Thursday, March 7, at 7:00 p.m. MT/PT

Thousands of gold seekers poured into Idaho Territory in the 1860s, constructing instant cities in rugged terrain. This look at the past and present of these towns — some only a memory, others summer communities or active county seats — includes interviews with descendants of the miners of yesteryear. Other Idahoans tell why they seek to preserve these vestiges of the past. Sites visited include: Bayhorse, Gilmore, Idaho City, Leesburg, Mackay, Murray, Pierce, Silver City, Wallace, Warren and Yellow Jacket.

JOURNEY TO EUREKA (30min) airs Monday, March 25 at 10:30 pm MT/PT

This half hour program created by Lewis-Clark State College Professors Patricia Keith and Carole Simon-Smolinski journeys back in time into the heart of Hell's Canyon in 1903. The filmmakers recreate travel on a sternwheeler from Lewiston, Idaho to Eureka Bar, Oregon, where a copper mining venture briefly flourished. The video dramatizes the dreams of investors, homesteaders and miners struggling to make a living and a profit in "this fearsome land."



SILVER LININGS: THE EARLY DAYS OF IDAHO'S SILVER VALLEY (1hr) airs Monday, March 18 at 8:00 p.m. MT/PT

This documentary presents a view of the Silver Valley from the Bunker Hill Smelter Days through the First World War. Mining is at the roots of the valley's development and is the common thread throughout the program. The program examines why people came to the Silver Valley, who they were and how their actions influenced the local and surrounding communities. Learn why the communities' histories are forever forged by the source of the riches that built them. See how the heritage established by early inhabitants still resonates with the way people of the Inland Northwest view themselves today.

It's Celebrate Music in Our Schools Month

WORLD'S LARGEST CONCERT 2002 (30 min) (1yr) airs March 6 and 13, 1:00 a.m./12:00 midnight - 1:30/12:30 a.m. MT/PT

The annual musical event, The World's Largest Concert, occurs Thursday, March 14 at 11:00/10:00 a.m. MT/PT when millions of school children, teachers, and citizens from around the world will participate simultaneously. This concert is being pre-fed to you on March 6 and 13, during our instructional block feed for teachers so you too, can participate.

READING RAINBOW Zin! Zin! Zin! A Violin (30 min) (1yr) airs Friday, March 29 at 2:30/1:30 p.m. MT/PT

Explore how rhyming, melodies and mathematics help combine sounds of different instruments and make music fun. Host LeVar Burton visits New York City's Julliard School of Music and finds out how orchestra members combine their sounds, and work as a team under the leadership of the conductor. Then STOMP, a percussion performance group, demonstrates how it combines creativity, expression, rhythm, dance and self-expression. Visit gpn.unl.edu for teacher guides and related activities.

State Budget cuts are hitting us all, I'm sure. But here, at IdahoPTV, the result has been the elimination of our educational outreach department. For a week now, we've been without our Education Specialist. We are appreciating, even more, the terrific work she did in connecting you to our resources, and guiding us towards better serving education in Idaho, both in, and out, of the classroom.

This, then, will be our last issue of *Technology Toolbox for Teachers* for this school year. Look to our Web site, idahoptv.org/staycurious for information about our program schedules and descriptions, public affairs information, local productions and links to PBS resources for teachers and parents.

I hope to still hear from you with ideas on how IdahoPTV can continue to serve education and educators, despite budget limitations. And of course, I love hearing of your successes.

Gens Johnson
learning_services@idptv.pbs.org
1-800-424-1226
FAX: 1-208-885-5711

Focus on Assessment

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

This series, which continues through March, examines current assessment issues and strategies in K-12 math and science classrooms. Video segments of real classrooms are interspersed with lively discussions between practicing teachers and content experts. See how other teachers deal with common issues and discover ways to use assessment to improve teaching and learning.

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.

Visit our Web site idahoptv.org/staycurious

MARCH 2002



ALL TIMES LISTED MT/PT

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

Take a Close-up Look at Educational Issues

FRONTLINE Testing in Our Schools (1hr) (1yr) airs Thursday, March 28, at 9:00 p.m. MT/PT

President Bush's proposal for mandatory public school testing in grades three through eight signals the beginning of a new era in public education — one marked by increased federal involvement in schools and an unprecedented expansion in the role of tests. A business school graduate and self-styled "CEO

President," Bush envisions a business model where educators set objectives, measure performance, and hold students and teachers accountable for results. But will the business model work in education? FRONTLINE correspondent John Merrow examines how the quest for higher scores is changing teaching and learning in America. Visit www.pbs.org/frontline for additional information.

IDAHO STATE DEPARTMENT OF EDUCATION WEEKLY NEWSCAST (10min) (UNL) airs Thursday mornings at 1:00 a.m./12:00 midnight MT/PT throughout the school year.

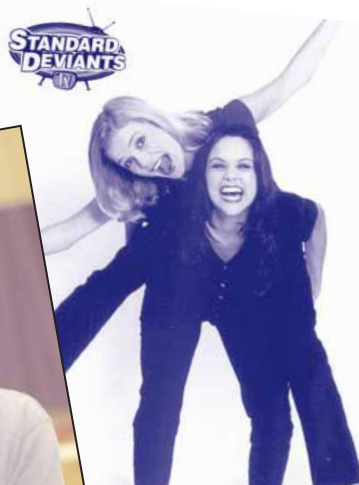
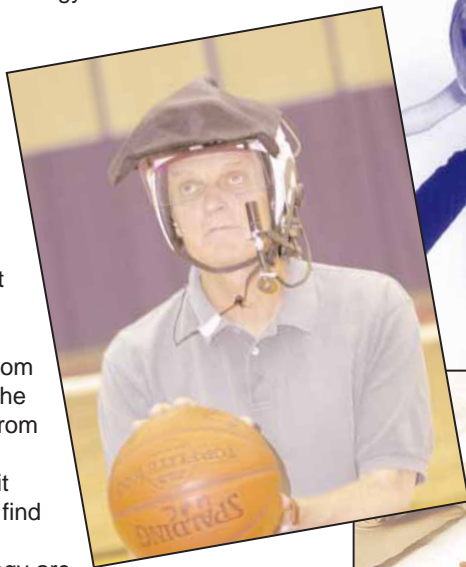
IdahoPTV's State Department of Education Newscast features Public Information Officer Allison Westfall providing weekly updates about issues in education. You can also view the archived episodes at idahoptv.org/itv/sde.html on the IdahoPTV Web site.

Technology Targets Athletics, the Human Body

Winter is behind us, hopefully, and thoughts are turning to warmer weather and outdoor activities. Kick off spring with a look at the incredible human body and how science and technology are improving athletes.

SCIENTIFIC AMERICAN FRONTIERS On the Ball (1hr) (1yr) airs Tuesday, March 19 at 8:00 pm MT/PT

This episode looks at how science and technology are changing sports — from the putting green to the free throw line, and from behind the plate to beneath the sea. Visit www.pbs.org/saf to find out more about how science and technology are improving sports and athletes, as well as teachers' guides, and a searchable database of video clips from previous Scientific American shows.



STANDARD DEVIANTS MuscleMania (30 min) (1yr) airs Saturday, March 15 at 9:00/8:00 am MT/PT

The Standard Deviants, with their fast-paced encyclopedic way of tackling a subject, provide students with information about joints, skeletal muscles and how muscles are named. Visit www.pbs.org/standarddeviantstv/ for additional information.

NATIONAL GEOGRAPHIC SPECIAL The Incredible Human Body (1hr) (1yr) airs Saturday, March 2 at 4:00/3:00 pm MT/PT

A repeat from last month, this special is a great resource for study of the human body. Scientific advancements and revolutionary imaging systems are changing our understanding of human anatomy. The special explores the human body from the inside out, utilizing the latest imaging systems for excursions inside the bodies of real people — right down to their stem cells.



READING RAINBOW Contest Seeks Entries

Remember to send in your students' stories for the Eighth Annual Reading Rainbow Young Writers and Illustrators Contest! Students in grades K-3 are invited to submit illustrated stories for

entry into the national competition. Visit our Web site idahoptv.org/learn/readingrainbow/ for contest rules and entry forms. All entries must be postmarked by March 29.



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Take an In-Depth Look At Learning Disabilities

MISUNDERSTOOD MINDS (90 min) (1yr) airs Wednesday, March 27 at 9:00 pm MT/PT

This program takes a personal look into the world of learning problems, tracking the stories of five families. Filmed during a three-year period, the families, together with experts, try to solve the mysteries of the children's learning difficulties. The special illustrates the anguish parents go through as they search for answers and strategies to help their children. The film also serves as a platform for a nationwide dialogue on how best to manage young, vulnerable, misunderstood minds.

Visit www.pbs.org/wgbh/misunderstoodminds/ for more detail on the five stories in the film. The site also offers strategies for addressing learning difficulties, background on current issues surrounding the topic, and additional resources. An interactive feature called First Hand will allow visitors to sample what it is like to have specific learning problems, such as difficulties decoding the components of words, or problems with memory.



Panel Discussion on Learning Disabilities

A panel discussion on learning disabilities hosted by IdahoPTV and the Lee David Pesky Center is scheduled Tuesday, March 26 from 7:00 to 9:00 p.m. at the Idaho Public Television studios in Boise. Local experts will address:

- Types of learning disabilities
- Developments in neurological research and the implications for educating those with learning disabilities
- Use of medication in treating learning disabilities
- Current status of education for students with learning disabilities
- Appropriate educational interventions and research based methods of literacy education for students with learning disabilities
- Effect of new education bill and standards based reform on students with learning disabilities
- Effects of learning disabilities on self-esteem and family relationships

For additional information or reservations contact Elise at 1-208-333-0008 ext.126.



Experts Answer Student Questions About Deserts

DIALOGUE FOR KIDS Desert Habitat (30 min) (UNL) airs Tuesday, March 12 at 2:00/1:00 p.m. MT/PT

Desert habitats cover about one-fifth of the earth's surface, and the Great Basin Desert occupies the southern third of Idaho. Join Joan Cartan-Hansen and guests as they answer student questions about the desert. E-mail questions to dialogue4kids@idptv.pbs.org or fax them to (208) 373-7245, or call in live during the show 1-800-973-9800. The companion Web site idahoptv.org/dialogue4kids/ is a great resource for use in the classroom, with links to activities and lesson plans. You can even view the program online.

Web Tracks: Great Online Resources



What's In the News?

wtn.psu.edu/home.html

This weekly program (Thursday mornings 1:15/12:15 – 1:30/12:30 a.m. MT/PT) is a great springboard for discussion of current events. The Web site gives students an opportunity to voice opinions and find out what other kids their age are thinking and feeling about current events.

X-Pedition Hall — National Geographic

www.nationalgeographic.com/xpeditions/hall/index.html

The Xpedition Hall is an interactive museum that takes students on geographic journeys and covers all of the geographic standards. Here they can climb a mountain, hover over the Earth, speed across Europe, visit an archeological dig, and even order sushi.

Idaho ZOOMs into Action

idahoptv.org/zoom-action/action/

Find out how Idaho students are helping out in their communities.

Visit our Web site idahoptv.org/staycurious

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ALL TIMES LISTED MT/PT

Episode Listings for Daytime TV

ADVENTURES FROM THE BOOK OF VIRTUES

Airs Sundays 10:30/9:30 a.m. MT/PT (1 year)
pbskids.org/adventures/

Day	Date	Episode #	Theme
Su	24	201	Trustworthiness
Su	31	202	Determination

ARTHUR

Airs M-F, 7:00/6:00 a.m.; 10:00/9:00 a.m.; 3:30/2:30 p.m. MT/PT and Sundays, 9:30/8:30 a.m. MT/PT (March 3-9, 9:00/6:00 a.m., 9:30/8:30 a.m., 3:30/2:30 p.m. MT/PT) (1 year)
pbskids.org/arthur

Based on the popular books by Marc Brown, Arthur and his friends manage to solve their third-grade crises with imagination, kindness and a lot of humor.



BETWEEN THE LIONS

Airs M-F 11:00/10:00 a.m. MT/PT. Repeats at 5:00 p.m. PT only. (1 year)
pbskids.org/lions

Designed to help children develop literacy skills and excitement about reading, this series takes off where Sesame Street left off.

Day	Date	Episode	Word/Vowel
M	4	212	can/short a
T	5	123	duck/short u
W	6	115	fly/y, short i
Th	7	116	pop/short o
F	8	222	double e - ee
M	11	104	hen/short e (long e)
T	12	204	wing/short i
W	13	112	cap/short a, long a
Th	14	205	zoop/double o - oo
F	15	202	hump/short u
M	18	215	rain/ai
T	19	106	hen/short e
W	20	210	last/short a
Th	21	217	spider/long i
F	22	214	bug/short u
M	25	224	chess/short e
T	26	117	fish/short i
W	27	219	but/short u
Th	28	102	rock/short o, double o
F	29	201	sad/short a

CLIFFORD THE BIG RED DOG

Airs M-F at 9:30/8:30 a.m. and 3:00/2:00 p.m. MT/PT
Repeats at 4:30 p.m. PT (March 4-8, 3:00/2:00 p.m. MT/PT, 4:30 p.m. PT; March 12-15, 9:00/8:00 a.m., 3:00/2:00 p.m. MT/PT, 4:30 p.m. PT) (1 year)
pbskids.org/clifford

Based on the popular series by Norman Bridwell



CYBERCHASE

Airs M-F at 4:00/3:00 p.m. MT/PT (March 4-8, does not air) (1 year)
pbskids.org/cyberchase

Day	Date	Episode	Math Concept
F	1	111	Combinations
F	8	116	Codes
M	11	117	Line Graphs
T	12	118	Problem Solving
W	13	119	Multiplication
Th	14	120	Money
F	15	101	Navigation
M	18	102	Finding meaning from Data
T	19	103	Probability and Chance
W	20	104	Estimation
Th	21	105	Area
F	22	106	Fractions
M	25	107	Patterns
T	26	108	Number Sense
W	27	109	Timekeeping
Th	28	110	Symmetry
F	29	111	Combinations

PLAZA SESAMO (1 year)

Airs Sundays at 8:00/7:00 a.m. MT/PT
Learn Spanish with the gang from Sesame Street!

READING RAINBOW

Airs M-F at 2:30/1:30 p.m. MT/PT (1 year)
gpn.unl.edu/rainbow/

Day	Date	Episode	Title/Theme
F	1	1010	Applemando's Dream/Imagination
M	4	1101	The Lotus Seed/Tradition and cultural heritage
T	5	1102	Hail to Mail/The Mail System
W	6	1103	Stellaluna/Night animals
Th	7	1104	My Shadow/Light and shadow
F	8	1105	Ruth Law Thrills a Nation/Heroes of Aviation
M	11	1106	The Wonderful Towers of Watts/Communities
T	12	1107	Martha Speaks/Dogs
W	13	1108	Alejandro's Gift/Water
Th	14	1109	The Sign Painter's Dream/Signs & advertising

Day	Date	Episode	Title/Theme
F	15	1110	Archibald Frisby/Science
M	18	1111	Fly Away Home/Homelessness
T	19	1112	Uncle Jed's Barbershop/Homelessness, freedom
W	20	1113	How To Make An Apple Pie and See the World/Science and cooking
Th	21	1114	Owen/Adjusting to change
F	22	1201	How Much is a Million?/Large Numbers
M	25	1202	Always My Dad/Family relationships
T	26	1203	Bread is for Eating/Bread
W	27	1204	Hotel Animal/Proportion and size relationships
Th	28	1205	Someplace Else/Travel
F	29	1206	Zin! Zin! Zin! A Violin/Musical patterns



SAGWA

Airs M-F at 7:30/6:30 a.m.; Also airs Sundays at 9:00/8:00 a.m. MT/PT (1 year)
pbskids.org/sagwa

Based on the children's book, Sagwa, The Chinese Siamese Cat, by acclaimed author Amy Tan, Sagwa highlights both the differences and similarities that exist across cultures.

STANDARD DEVIANTS

Airs Saturday mornings 9:00/8:00 a.m. (1 year)
www.pbs.org/standarddeviantstv/

Day	Date	Episode	Title
Sa	2	226	North America Ho!
Sa	16	202	Plates and Quakes
Sa	23	203	Musclemania
Sa	30	204	Integer Intrigue

ZOOM

Airs Monday-Friday 4:30/3:30 p.m. MT/PT (March 4-8, 4:15/3:15 p.m. MT/PT; March 11-15, does not air) (1 year)
idahoptv.org/zoom-action/action/index.html

Sponsored by the National Science Foundation, ZOOM demonstrates fun, hands-on science experiments while encouraging kids to turn off the T.V. and explore the world around them. Be sure to visit our Web site to find out about Idaho students who are highlighted on ZOOM!

Visit our Web site idahoptv.org/staycurious for additional information



KAID 4 BOISE
KIPT 13 TWIN FALLS
KISU 10 POCATELLO

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Elementary/Middle School Calendar

ALL TIMES LISTED MT/PT

MARCH 2002

SUNDAY

MONDAY

TUESDAY

WEDNESDAY

THURSDAY

FRIDAY

SATURDAY

<p>3 Computer Chronicles 12:00 noon/11:00 am (W)</p> <p>Idaho Edens 6:30/5:30 pm (W)</p> <p>Nature Dogs: The Early Years 8:00/7:00 pm (W)</p> <p>Find record rights: idahoptv.org/what/edrights.html</p>	<p>4 ITV: Challenge of the Unknown #5-7, Principles & Standards for School Mathematics 1:00 am/12:00 midnight - 3:00/2:00 am (W)</p>	<p>5 ITV: Newton's Apple #1401-1404 1:00 am/12:00 midnight - 3:00/2:00 am (W,TR)</p>	<p>6 ITV: Teacher's Request 1:00 am/12:00 midnight - 3:00/2:00 am (W,TR)</p> <p>Klondike & Snow — A Tale of Twin Polar Bears 7:00 pm</p> <p>Monty Roberts — A Real Horse Whisperer 8:00 pm</p>	<p>7 ITV: SDE NEWSCAST, What's In the News?, NASA CONNECT Patterns, Functions, and Algebra: Wired For Space, Visions of Idaho #11-14 1:00 am/12:00 midnight - 3:00/2:00 am (W,TR)</p> <p>Gold Rush Days & Ghost Towns, An Outdoor Idaho Special 7:00 pm (W)</p> <p>Dialogue 8:30 pm (W)</p>	<p>8 ITV: Assessment in Math and Science: What's the Point? That Would Never Work Here! Seeing Assessment Reform in Action, Part I, Scienceline Lisa Nyberg 1:00 am/12:00 midnight - 3:00/2:00 am (W,TR)</p> <p>Idaho Reports 8:00 pm (W)</p>	<p>9 ITV: Assessment in Math and Science: What's the Point? You WILL Be Tested on This! Standardized Testing Scienceline Christine Collier 1:00 am/12:00 midnight - 3:00/2:00 am (W,TR)</p> <p>Idaho Reports 8:00 pm (W)</p>
<p>10 Anne of Green Gables 10:00/9:00 am (W)</p>	<p>11 ITV: Math in the Middle of Oceans #1-6 1:00 am/12:00 midnight - 3:00/2:00 am (W)</p> <p>Idaho: An Aerial Tapestry 7:00 pm (W)</p> <p>Reach For the Sky: Inside the U.S. Thunderbirds 8:00 pm</p>	<p>12 ITV: Real Science #701-704 1:00 am/12:00 midnight - 3:00/2:00 am (W,TR)</p> <p>Dialogue For Kids Desert Habitat 2:00/1:00 pm (W,TR)</p>	<p>13 World's Largest Concert 2002 1:00 am/12:00 midnight - 3:00/2:00 am (W,TR)</p> <p>National Parks of the West by Train 9:00 pm</p>	<p>14 ITV: SDE NEWSCAST, What's In the News?, A Home For Pearl, Destination Peace Corps Honduras 1:00 am/12:00 midnight - 3:00/2:00 am (W,TR)</p> <p>Outdoor Idaho Oldtime Fiddlers 7:00 pm (W)</p>	<p>15 ITV: Assessment in Math and Science: That Would Never Work Here Either! Seeing Assessment Reform in Action, Part II Scienceline Jane Morton 1:00 am/12:00 midnight - 3:00/2:00 am (W,TR)</p> <p>Idaho Reports 8:00 pm (W)</p>	<p>16 Standard Deviants Plates and Quakes 9:00/8:00 pm (W,TR)</p> <p>Drum Corps International Competition 3:00/2:00 pm (W)</p> <p>Idaho Edens 8:00 pm (W)</p>
<p>17 Dragonfly TV Investigate! 8:00/7:00 am (W,TR)</p> <p>Anne of Green Gables 10:00/9:00 am</p> <p>Worst Witch 12:15 noon/11:15 am</p> <p>Idaho: An Aerial Tapestry 6:00/5:00 pm (W)</p>	<p>18 ITV: Math in the Middle of Oceans #7-12 1:00 am/12:00 midnight - 3:00/2:00 am (W)</p> <p>Silver Linings The Early Days of Idaho's Silver Valley 8:00 pm</p>	<p>19 ITV: Newton's Apple #1405-1408 1:00 am/12:00 midnight - 3:00/2:00 am (W,TR)</p> <p>NOVA Cancer Warrior 7:00 pm (W,TR)</p> <p>Scientific American Frontiers On the Ball 8:00 pm (W,TR)</p> <p>Jackie Behind the Myth 9:00 pm</p>	<p>20 ITV: SDE NEWSCAST, What's In the News?, A Memory For Tino, What is Economics?, What is History? 1:00 am/12:00 midnight - 3:00/2:00 am (W,TR)</p> <p>Outdoor Idaho Never Say Quit 8:00/7:00 pm (W)</p> <p>Dialogue 8:30/7:30 pm (W)</p>	<p>21 ITV: SDE NEWSCAST, What's In the News?, A Spirit of the Land: Hawaii! In Wake of Ancestors, Yupik Eskimos 1:00 am/12:00 midnight - 3:00/2:00 am (W,TR)</p> <p>Outdoor Idaho Between Land & Water 8:00/7:00 pm (W)</p> <p>Dialogue 8:30/7:30 pm (W)</p> <p>Frontline Testing Our Schools 9:00 pm (W,TR)</p>	<p>22 ITV: Assessment in Math and Science: When I Was in School... Implementing Assessment Reform Scienceline Tim O'Keefe 1:00 am/12:00 midnight - 3:00/2:00 am (W,TR)</p> <p>Idaho Reports 8:00 pm (W)</p>	<p>23 Standard Deviants MuscleMania 9:00/8:00 pm (W,TR)</p> <p>National Geographic Survivors of the Skeleton Coast 4:00/3:00 pm</p> <p>INEEL Scholastic Tournament 5:30/4:30 pm</p>
<p>24 Adventures From The Book of Virtues Trustworthiness 10:30/9:30 am (W,TR)</p> <p>Computer Chronicles 12:00 noon/11:00 am (W)</p>	<p>25 ITV: NASA WHY? Files Case of the Mysterious Red Light. Case of the "Wright" Invention 1:00 am/12:00 midnight - 3:00/2:00 am (W,TR)</p> <p>Ecological Design: Inventing the Future Journey to Eureka 10:30 pm</p>	<p>26 ITV: Real Science #705-708 1:00 am/12:00 midnight - 3:00/2:00 am (W,TR)</p> <p>NOVA Shackleton's Voyage of Endurance 7:00 pm (W,TR)</p> <p>Everest The Mystery of Mallory and Irvine 9:00 pm (W,TR)</p>	<p>27 Misunderstood Minds 9:00 pm (W,TR)</p> <p>Hearts & Minds: Teens and Mental Illness 10:30 pm (W)</p>	<p>28 ITV: SDE NEWSCAST, What's In the News?, Spirit of the Land: Hawaii! In Wake of Ancestors, Yupik Eskimos 1:00 am/12:00 midnight - 3:00/2:00 am (W,TR)</p> <p>Outdoor Idaho Between Land & Water 8:00/7:00 pm (W)</p> <p>Dialogue 8:30/7:30 pm (W)</p> <p>Frontline Testing Our Schools 9:00 pm (W,TR)</p>	<p>29 ITV: Scienceline #10-13 1:00 am/12:00 midnight - 3:00/2:00 am (W,TR)</p> <p>Idaho Reports 8:00 pm (W)</p>	<p>30 Standard Deviants Integer Intrigue 9:00/8:00 am (W,TR)</p> <p>World of National Geographic Cats. Caressing the Tiger 4:00/3:00 pm</p>
<p>31 Adventures From The Book of Virtues Determination 10:30/9:30 am (W,TR)</p> <p>Computer Chronicles 12:00 noon/11:00 am (W)</p>						

Visit our Web site for detailed program information at idahoptv.org/staycurious