

The Futures Channel



"The Futures Channel's content is unparalleled when it comes to connecting classroom concepts to the real world of careers and achievement. It brings the curriculum to life, it's tied to standards and it engages students. We've tested it in our training programs and the response from teachers and students is phenomenal."

Anna Park,
Viva Technology,
Hispanic Engineers National
Achievement Awards Corporation





About The Futures Channel

The Futures Channel was founded in 1999 with the goal of using new media technologies to create a channel between the scientists, engineers, explorers and visionaries who are shaping the future, and today's students who will one day succeed them.

The Futures Channel Mission:

- To produce and distribute high quality multimedia content which educators in any setting can use to enliven curriculum, engage students and otherwise enhance the learning experience.
- To connect mathematics, science, technology and engineering to the real world of careers and achievement, providing a context and purpose for what students are learning, allowing them to envision their own successful futures.
- To provide a channel through which professionals from the sciences, engineering and technology sectors can reach their future workforce prospects and interest them in their fields.

...

The Futures Channel surpassed **10 million student views** of its online movies in 2007.

42% The return visitor rate to *TheFuturesChannel.com*

79% The percent of surveyed educators who use Futures Channel movies for math and science classes, but who also say they also use the movies to inform students about possible careers.

5,000 The number of web page links to *TheFuturesChannel.com*

250% The growth of online views of Futures Channel movies in 2007.

150,000 The number of educators who receive The Futures Channel's e-newsletter each week.



“The Futures Channel team pioneered the creation and delivery of short, broadcast-quality video clips and ‘micro-documentaries’ which teachers can use to bring context and life to their lessons and engage their students. This is a new direction for educational media, one that fits the way that teachers actually teach.”

**Dr. Eric Robinson
Professor of Mathematics
Ithaca College, NY**



During an interview with The Futures Channel at Ford Motor Company's California Advanced Product Creation Center, Interior Designer Fairuz Jane Arabo provides insight into the elements of advanced car design. She is a part of the team of engineers and designers who work year round to develop Ford's next concept cars.



The Futures Channel visited Easton Sports R&D Facility for a program showing how the collection and analysis of data applies to the testing of sports equipment in order to ensure the optimum performance of their baseball bats, hockey sticks and bicycle wheels.



Robotics Engineer Maria Bualat is part of the team developing control systems for unmanned vehicles used in NASA space missions. She appears in a Futures Channel program which explores how the concept of probability is applied in the design of reliable robots for space.



As the Global Lead Designer for Motorola, Yoon Ho Choi is responsible for all the elements of a mobile phone's design—from its look and feel to the size of the phone's components. In a Futures Channel program on decimals, he explains that a measurement such as 1.2 millimeters is a big number in mobile phone design.



The movies show students places they might otherwise never see, fascinating professionals they might otherwise never meet, and careers they might otherwise never pursue.



1999

YAHOO! FINANCE

The Futures Channel Releases Five-Part "Microdocumentary Series on the Internet"

Discover Math, Science and Technology Behind Deep-Sea Exploration

Nov. 27, 2001—The Futures Channel Voyage of the Ventana, a new series of five episodes, will take students aboard America's largest underwater canyon—an

diver. Guiding his craft to depths that were previously unknown, the Channel has released on the Internet a series of five episodes that explore deep-sea habitats and capture the world uses of math and science.

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Programming the Future

Bringing the World into the Classroom

Started in 2000, The Futures Channel is the leading provider of interactive video clips and lesson resources. In the past year, the Channel has expanded its offerings to include a new series of five episodes that explore deep-sea habitats and capture the world uses of math and science.

Mathematics Teaching in the

Math and Science on Location: the Digital Video Resource Library consists of three components: (1) a DVD that contains 67 micro-movies; (2) a CD-ROM that contains over 600 problems, including hands-on activities; and (3) a printable user's guide.

The opening screen of the DVD allows the user to choose a movie by content area (mathematics, science, technology, or arts) or by movie title or movie number. If a content area is selected, the next screen lists topics for that area. Several movie titles are given for each subtopic. The DVD is user-friendly and allows the teacher to easily choose specific movies for the skills being taught in the classroom. Each movie is less than five minutes long.



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excite NEWS

TheFuturesChannel.com and Mount Wilson Observatory Take Students to the Stars
Updated 9:02 AM ET January 18, 2000
LOS ANGELES (BUSINESS WIRE) - This fall, when astronomers make observations through a telescope that is powerful enough to see footprints on the moon, they could have students from all over the world looking over their shoulders. The Futures Channel, a new Internet-based digital content series, today announced that it has entered into an agreement to produce and distribute a series of five episodes that explore deep-sea habitats and capture the world uses of math and science.

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AT&T's Learning Network Names The Futures Channel Among Broadband's "Best of the Best"

LOS ANGELES (BUSINESS WIRE) - Sept. 14, 2000 - The Futures Channel (www.thefutureschannel.com) has been chosen to join a select group of educational content providers at the newly launched AT&T Learning Network Broadband Academy.

"I am firmly convinced that the era of broadband is just beginning," said Joan Fenwick, national director of the AT&T Learning Network, told The Futures Channel. "As we scanned the Web for the 'best of the best,' your work came to the top."

The recognition comes as The Futures Channel is deploying an updated interactive database of video clips and lesson resources. This new software allows educators to tap deeper into the Channel's vast archive of award-winning video resources linking classroom subjects to their real-world applications.

Since January, the Channel has been providing micro-documentaries for use in instruction and staff development, accompanied by lesson resources and student activities. Updated weekly, these offerings have included a trip to a water tunnel 55 stories beneath Manhattan, a chat with a storm tracker at the National Hurricane Center, and a visit with an aeronautical engineer who built a flying replica of a pterodactyl, among many others.

"The quality video clips and micro-documentaries pioneered by The Futures Channel help teachers relate mathematics and science to real-life situations and engage student interest," said Dr. Ed McDonald, associate director of the Mathematics Resource and Technology Center at Clark Atlanta University.

To expand its broadband resources, the Channel recently added an environmental careers sub-site where students and teachers can conduct virtual interviews with 20 professionals working in the field of environmental science.

WEDOCRACY

One-Stop Online Source Connects Classrooms to Real World
The Futures Channel is a new Internet-based digital content series that provides award-winning video clips and lesson resources. This new software allows educators to tap deeper into the Channel's vast archive of award-winning video resources linking classroom subjects to their real-world applications.

alta vista: News

The Futures Channel and American Career Education Alliance Hailed as "Good News"
LOS ANGELES - 13 June 2000 - The Futures Channel, the premier award-winning video resource for career information and learning in today's classrooms, has been named one of the nation's leading publishers of career information and learning resources.

The agreement brings together two top content providers in distinct markets. The Futures Channel, the premier award-winning video resource for career information and learning in today's classrooms, has been named one of the nation's leading publishers of career information and learning resources.

"This alliance is good news for both teachers and students," said Barbara J. Kline, executive director of the National Consortium for State-Guaranteed Learning. "The Futures Channel sets the standard for bringing today's workforce to life, and the award-winning curriculum materials that Career Communications' extensive print library will be joined to The Futures Channel's award-winning video footage which features interviews with professionals in hard-to-find careers."

Kids need to be energized and excited about what they're learning," said Barbara J. Kline, executive director of the National Consortium for State-Guaranteed Learning. "The Futures Channel sets the standard for bringing today's workforce to life, and the award-winning curriculum materials that Career Communications' extensive print library will be joined to The Futures Channel's award-winning video footage which features interviews with professionals in hard-to-find careers."

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2008

Middle School

Resource Library

active site", and "Under-lengths." Clicking on any produce a list of movies standard. When the movie Guide appears, the in four pages

Education World

May 2007

The Futures Channel: Tune and science teachers!

res Channel provides free multimedia reso the Web site, the goal is to use "new media s scientists, engineers, explorers, and vision ers who will one day succeed them."

organized with links listed in the left sideba of lessons quickly. Featured movies are in th 7 or higher is required.

connects learning to the real world through caring, engaging and fun. Movie and lesso gy. These short video clips that go behind the scene of careers put the learning into context and help answer "what's behind this?" The movies run around five minutes each and more to capture the interest of students. Each video is on and some have several lessons for different grade levels.

er of educational documentaries, The Futures l releases its latest movie, ing Computers," Monday, April introducing students to ERI's an and CEO, John S. Shegerian ant manager Anthony Borges - two passionate about what they do and nefits their company provides to the nment. In the film, Shegerian and s walk the viewer through the ss of electronic recycling - from the of old televisions, computers, video s and other electronic cast-offs, to novative dismantling and crushing sses that take place at ERI's o-based facility.

lm is available for free viewing on part of their "Hands-On Math" series



The Texas Wind Powers A Big Energy Gamble - WSJ.com

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Shell, Others, Pile In Despite Regulatory Risk; Poke Arnold's 'Rib Eye'

By JEFFREY BALL March 13, 2007; Page A1

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10 The Futures Channel Next time your kid complains about algebra, send him to thefutureschannel.com. The site's videos highlight the math and science skills needed to create cool stuff like stunt bicycles, noise-canceling headphones, and roller coasters.

Charlottesville.com When we based the first edition of WIRED on an online video archive—3,900 hours of streaming video back to 1994—we couldn't wait to check it out. Among the site's many treasures, you'll find a tour of the tech industry's biggest and best, from Sergey and Larry's victory lap to Bill Gates' presidential haircut.

How It Works: The Secret Lives of Authors

The Futures Channel has 100+ videos about math, science, and technology. The site's videos highlight the math and science skills needed to create cool stuff like stunt bicycles, noise-canceling headphones, and roller coasters.

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“Looking for videos to use to help spark conversations about problem solving? Problem solved.”

“It does not take long to totally turn off learners to math, if they see no practical use of it. TheFuturesChannel.com contains highly motivating videos, many shorter than five minutes, that link math and science to real-world applications and careers.”

- THEJournal.com

“The site’s Hand-On Math section features movies on counting numbers and integers, algebra, fractions, geometry, measurement, and statistics. One clip incorporates measurement into a video about college students who must measure food for animal feedings.”

- eSchool News

“The Futures Channel - a site with educational videos on all sorts of topics - has a great video called “The Business of Wind.” Even though it’s nearly six minutes, it had me awed and struck by the massive wind turbines and the power they generate.”

- MariaEnergia.com

“highly motivating videos...”

“Our third great site this week is The Futures Channel. You can find multimedia content on science and mathematics topics for use in the classroom. There are some interesting videos here, including one on how dancers use geometry and engineering in their movements, or a veterinarian who uses math and science every day in her work.”

- Scholastic.com

“The Futures Channel recently posted a mini-documentary about the development of spaceports, and the promise of commercial space flight. It’s worth watching for the scenes of barren New Mexico scrubland, which may someday be a thriving launch pad for orbital travel.”

- Wired Science

“The Futures Channel offers online videos for free viewing. The difference? The videos are specifically geared toward scientific topics, look to be all high quality (contrary to sites like YouTube) and lesson plans are included! Teaching Algebra and facing kids who keep asking, ‘How is this used in the real world?’ Check out Algebra in the Real World Movies. Looking for videos to use to help spark conversations about problem solving? Problem solved.”

- SpeedofCreativity.org



"The videos are of high quality and designed to excite students about science, mathematics and technology with a focus on middle and high school, but I find the specific movies of interest to undergraduate students as well. Each features excellent role models for both men and women as well as a wide range of ethnic groups."

- EngineeringPathway.com

"It had me awed..."

"This is high-quality stuff, though, suitable for classroom use (something I doubt you'll hear me suggest re YouTube anytime soon) and designed to explain to kids why math and the sciences are not just applicable to the real world but extremely cool pursuits."

- USAToday.com

"The site produces short documentary-style videos that take students behind the scenes with professionals from a wide range of careers. You can integrate many of these videos into your teaching and this would definitely arouse the interest of your students and motivate them towards learning science and mathematics."

- Web 2.0

"I can think of lots of uses for every clip that I've watched. What sells me is the content. Someone took the time to professionally write, shoot and edit a great collection of short pieces."

- Penn State University

"...extremely cool pursuits."

"The Futures Channel bills itself as 'Connecting learning to the real world.' That description of what the channel does is not only true; it doesn't go far enough in describing the service it offers to educators and students alike."

"I sat and watched a good 10 videos on this channel, and was fascinated by them all. It's a great multimedia way of teaching people and helping educators teach in this 21st century world we live in."

- Web TV Hub

"Have you ever been at a loss when trying to explain to your children what engineering is all about (much less other non-tech adults)? Or, have you ever wanted to give a 30-minute presentation about engineering at your child's school? We have found a great resource: thefutureschannel.com. They have a great selection of short videos which really do an excellent job of showing how exciting and important engineering is."

- iCrank.com

"Excellent role models for both men and women..."



“I wish you could see my entire class glued to the monitor!”

“The video clips are great! Well scripted, action packed, and focused on math in the real world.”

Mary Kay Bacallo
Associate Professor
Tift College of Education,
Mercer University

“I’d recommend this material to anyone who wants to motivate youth to stick with math and science as a way to keep their options open for the future.”

Margo Nanny
Co-Chair
Expanding Your Horizons in Math and
Science Conference

“Thank you for bringing such exciting, informative and captivating programs right into our classroom.”

“I LOVE THIS WEBSITE!!!!!!!!!!!!!! Our lead focus this year is on the ‘STEM’ disciplines. I started a ‘STEM’ club where we have fun exploring all of these areas. I show several of your videos to all of my students and they LOVE it! What a professional, easily navigated, FUN and interesting website for all ages. Thank you!”

Mrs. Amy M. Sauerbreit
Peakview Elementary School
Centennial, Colorado





"What a hot site. The Futures Channel just keeps hitting home runs!"

Mike Rooney
Mathematics Resource Specialist
Broward County Public Schools, Florida

"My students were on the edge of their seats!"

"There are over 3 million teachers in America who face the challenge of relating what they are teaching to the real world. They are expected to be able to effectively answer the question: 'When will I ever use this?' ... The Futures Channel helps them answer that question."

Dr. Milton Chen
Executive Director,
The George Lucas
Educational Foundation

"More and more, my students beg to see The Futures Channel."

"Yesterday's science lesson was about different kinds of energy and the 'The Business of Wind' lesson/video was a perfect example of one very powerful kind of 'free and clean' energy. My students were on the edge of their seats!"

"Thanks for inspiring students at all grade levels to enjoy Math and Science and for demonstrating how Math and Science are important in the classroom, as well as for future college plans and career paths!"

Gwen Hunt
Forest Ridge Elementary
Citrus County, Florida

"I love the films because they stress the importance of Math and how many occupations use Math at all levels. I would say that I draw from your lessons at least once a week—even if it is to inspire me to create an innovative lesson on my own! Thank you so much for also showing that women have important roles in Science and in Math."

Kris Possee
Peter Woodbury School
Bedford, New Hampshire

"My students now know how many opportunities there are out there in the professional world that they may have not even thought about before!"

The FUTURES Channel

THE FUTURES CHANNEL

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www.thefutureschannel.com

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