Science Professional Development Video On Demand from www.Learner.org

Annenberg Media offers educational programs, from K-12 teacher professional development through instructional programming in subjects across the curriculum. Annenberg Media professional development video programs help teachers increase their expertise and develop their craft. Annenberg Media instructional series have been among the most authoritative and honored in American education for the past 20 years.

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On the Annenberg/CPB Channel

The Annenberg/CPB Channel is a free satellite channel for schools, colleges, libraries, public broadcasting stations, public access channels, and other community agencies. It is presented 24 hours per day, 7 days per week, and airs an extraordinary range of teacher professional development and instructional programs funded by Annenberg Media. It is available to any non-commercial agency with a Ku-band satellite dish and a DigiCipher II satellite receiver.

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You can view the live Annenberg/CPB Channel broadcast online if you have a broadband connection. To hear the sound and view video, you should have Windows Media Player, DSL, a cable modem, or a LAN connection to a T1 line or greater, and have Javascript enabled. For more information, please visit our broadband FAQ.

Programs Available in Science

Assessment in Math and Science: What's the Point?

This video workshop for K-12 teachers examines current assessment issues and explores strategies for making classroom assessment practices more effective.

The Brain: Teaching Modules

These video modules for college and high school classrooms and adult learners are flexible teaching resources for courses in psychology.

Case Studies in Science Education

This video library for K-8 teachers profiles science teachers who are working to improve aspects of their teaching.

Cycles of Life: Exploring Biology

This video instructional series on biology for college and high school classrooms and adult learners provides a comprehensive overview of the living world, from the simplest organisms to the vast web of Earth's ecosystems.

Earth Revealed

This video instructional series on geology for college and high school classrooms and adult learners explores how scientific theories are developed as well as how our activities today affect Earth's continuing evolution.

Essential Science for Teachers: Earth and Space Science

This video course for elementary school teachers covers the Earth and space science concepts they need to teach today's standards-based curricula.

Essential Science for Teachers: Life Science

This video course for elementary school teachers covers the life science concepts they need to teach today's standards-based curricula.

Essential Science for Teachers: Physical Science

This video course for elementary school teachers covers the physical science concepts they need to teach today's standards-based curricula.

Intimate Strangers: Unseen Life on Earth

This video documentary for college and high school classrooms and adult learners provides an overview of the microbial world, focusing on scientists as they investigate how microbes affect everything from the environment to infectious disease.

Journey North

This free instructional Web site engages K-12 students and their teachers in investigations of wildlife migration and seasonal change. A one-hour video program shows teachers how to use the popular Journey North Web site, and comes with a printed 50 page Workshop Guide. A 150 page printed Teacher's Manual, especially helpful for teachers new to Journey North, is also available.

Learning Science Through Inquiry

This video workshop for K-8 teachers shows inquiry teaching and learning in action — how it works and how it benefits students.

Learning That Works

These videos for high school science teachers profile successful programs around the country that connect science learned in high school with real-world applications.

Looking at Learning...Again, Part 1

This video workshop for K-12 teachers and administrators features seven leading educators who share their ideas on how children really learn.

Looking at Learning...Again, Part 2

Through personal interviews, teacher discussions, and classroom video footage, this video workshop for K-12 teachers and administrators encourages educators to analyze existing theories about how children learn.

The Mechanical Universe...and Beyond

This video instructional series for college and high school classrooms and adult learners demystifies physics and illustrates abstract concepts.

The Mind: Teaching Modules

These video modules for college and high school classrooms and adult learners are flexible teaching resources that explore cognition in the brain.

Minds of Our Own

This video documentary on education and learning for K-12 educators and parents shows how traditional teaching methods are often built upon false assumptions about learning.

The Next Move: Steps Toward Change in Elementary Math and Science

This video workshop will help K-5 math and science teachers move toward more student-centered classrooms.

Planet Earth

This video instructional series for college and high school classrooms and adult learners teaches Earth science, geology, oceanography, climatology, and astronomy through remarkable footage and insights from noted scientists.

Private Universe Project in Science

This video workshop for grade 1-12 educators explores alternative ways of teaching science concepts, helping to uncover and overcome student misconceptions.

A Private Universe

This video documentary for grade 5-12 educators explores why students from early grades to Ivy League graduates don't really grasp basic science concepts.

Reactions in Chemistry

Learn chemistry content, history, applications, and lessons with this video workshop for high school teachers.

Rediscovering Biology: Molecular to Global Perspectives

This video course explains recent advances in the field to teachers of high school biology.

Science First Hand

This video library for grade 7-9 science teachers shows the process of teaching physical science through hands-on projects.

Science IMAGES

This video library for grade 1-8 teachers features eight teachers and their unscripted, inquiry-based science lessons as they unfold over several days.

Science in Focus: Energy

This video workshop for K-6 teachers explores the scientific meaning of energy and examines the role it plays in motion, machines, the body, and the universe.

Science in Focus: Force and Motion

Explore science concepts in force and motion and come away with a deeper understanding that will help you engage your students in their own explorations, with this video workshop for K-8 teachers.

Science in Focus: Shedding Light on Science

This video workshop for K-5 teachers uses light as a theme to explore topics in physics, chemistry, biology, space science, and Earth science.

Science K-6: Investigating Classrooms

This video library, with separate units for K-6, shows how teachers are incorporating genuine science inquiry into their classrooms.

The Science of Teaching Science

This video workshop inspires new methods of teaching science for new and veteran K-8 science teachers.

Teaching High School Science

This video library for high school teachers shows the practice of effective inquiry teaching in the science classroom.

Unseen Life on Earth: An Introduction to Microbiology

Peer into the microbial world and learn the basic principles of microbiology with this comprehensive video instructional series for college and high school classrooms and adult learners.

Visualizing Growth: Changing the Way We Teach Science

This video series for K-6 teachers documents teacher partnerships with museum scientists and colleagues that introduce inquiry-based science to students.

The World of Chemistry

This video instructional series for college and high school classrooms and adult learners explores the foundations of chemical structures and behavior through computer simulations, interviews, and highly reactive experiments.