

Field Trip Video Series

A suggested activities guide is available with each video. All videos in this series are approximately 28 minutes.

The Washington Post

Grades 2-6

Children see how this world-renowned newspaper is produced and delivered daily. It all starts with the story, so children become reporters for the "Children's Express" and canvas local opinions about President Clinton's election. Then they go to the newsroom for an editing and story conference. In the composing room, they watch photos being scanned, type being arranged, and pages being set up for printing. Finally, they see the gigantic printing presses noisily converting huge rolls of paper into newspapers packaged for delivery.

Disney World Animation Studios in Orlando, FL

Grades 1-6

This is for the artist in everyone, starting with the question, "What is art?" The animators show the children how to draw characters with expression, the first step to making a feature cartoon. Then the children create their own story boards to explain a "missing" scene from the movie "Aladdin." They also visit the costume designers to see how cartoon characters from Disney films are made to come alive in those colorful parades.

United Airlines at the Denver International Airport

Grades 2-6

In this video, children tour one of the country's new air terminals. They see how passengers check in, how the computer-controlled baggage moves through the terminal to end up on the correct plane. From the control tower, they see how air traffic controllers watch the planes in the airport and follow their computerized color coding from take-off to landing. In the new Boeing 777, children sit in the cockpit with the pilot for simple flying instructions, and then learn about food preparation and safety procedures from flight attendants.

Sea World in San Diego

Grades 2-6

Children learn how whales, seals and walrus adapt to sub-zero temperatures with blubber, and then they do experiments to mimic the effect. With the animal trainers, the children use petting and fish snacks to entice these clever creatures to perform. They see how the aviculturist helps penguins adapt to captivity while feeding the downy chicks. They also learn how early sailors discovered the oceans of the world.

Kings Dominion Theme Park in Virginia

Grades 3-6

On this fast-paced trip, engineers explain how the rides in this theme park utilize acceleration, inertia, gravity and G-forces. Children then investigate these phenomena by making their own gravity meters to carry along on different rides, by timing the roller coaster with stop watches, and by learning the value of consensus.

Challenger Learning Center

Grades 2-6

In a replica of the NASA Mission Control Room in Houston, children learn that space travel isn't just about astronauts. They take part in a mock liftoff of a space probe on a mission to rendezvous with a comet. While spectrum analysis reveals the gases contained in this comet, children work with computers and each other to solve math and logic problems essential to the success of their mission.

U.S. Naval Academy at Annapolis, MD

Grades 2-5

This video shows the real commitment and discipline it takes to become a naval officer. Here, where all U.S. naval officers receive their training, children see all aspects of a midshipman's life, including the barracks. They work the controls on board ship, participate in a mock drill, and visit the hydrodynamics laboratory to see how ships are tested for seaworthiness.

National Museum of African Art and Music

Grades 2-6

Starting with an expert from Ghana, the children discover the importance of color and pattern while weaving designs on their own hand-made looms. Patterns surface again in the rhythms of the band they form while playing native instruments. They watch women make pots and learn how masks are designed for the men who dance. This colorful, in-depth volume is a masterful presentation and education in culture and global awareness; a must for the world of work in the 21st Century.

Orange County Marine Institute in California

Grades 2-6

On board the Sea Explorer, an engaging marine biologist introduces children to the world of whales and dolphins. They learn how different species of whales and dolphins congregate, communicate, migrate and eat. A sample grapple is lowered to study the food of the mud-swilling gray whales. It brings up sea-bottom dwellers tiny enough to fit on the children's fingers. They troll for plankton and krill, study their finds under a microscope, and learn how to plot their exact location on a sea chart.

I Wanna Be Series

A Synopsis and Activities Guide is available with each video. All videos in this series are approximately 30 minutes.

I Wanna Be...An Astronaut

Grades 4-5

Real space shuttle astronauts tell what it is like to go into space. They explain how weightlessness feels, what they eat in space, and the dangers of space travel. This program also looks into the history of the space program and shows children what the new International Space Station is going to be like. Space flight is an exciting and rewarding endeavor and few are selected. In this program, children will find out how they can be "one of the few."

I Wanna Be...A Ballet Dancer

Grades 2-5

There is nothing quite like the grace and skill of a ballet dancer. But what is it really like to glide and leap across the stage? In this exciting program, children visit a real ballet company and school. The dancers answer all kinds of questions a youngster might have: What are the basic steps? How hard is it really? How do you dance on pointed shoes? How often do you train? Both boys and girls will be fascinated as they watch other students in class and an actual ballet performance.

I Wanna...Work with Animals

Grades 2-5

In this program, you go behind the scenes for a look at the exciting world of animal work. Interviews include a talk with a vet at one of America's major zoological parks. You'll witness the care of a sick animal. This program also profiles zookeepers and vets, and shows children what it's really like to work in animal care and how to get into the field.

I Wanna Be...A Paramedic

Grades 3-5

The paramedic is a highly skilled and trained professional who is on the front line when it comes to helping victims in major trauma situations. Paramedics are usually the first to assist someone in a medical emergency. Their goal is to keep the person alive until he or she arrives at the emergency department. The job is very demanding and sometimes can be dangerous, as paramedics rush through city streets with their sirens blaring on their way to assist someone who needs medical help. This program is an excellent look at the life of a big-city paramedic.

I Wanna Be...A Fire Fighter

Grades 2-4

In this action-packed video, children learn what it takes to battle fires. First, they tour a working fire station and go for a ride in a million-dollar ladder truck. Then they visit the Firefighting Academy. Finally, it's off to watch new recruits battle a large (practice) house fire and a burning tanker truck. They'll watch the structure burn to the ground, with flames leaping high into the air. *I Wanna Be a Firefighter* is a combination of learning and action and is guaranteed to thrill children of all ages.

I Wanna Be...A Jet Pilot

Grades 3-5

In this action-packed video, children learn about flying in the world's greatest jets. They'll travel to Boeing and see how a flight simulator works. Then they'll talk with the men and women who test fly all the new Boeing jets, and find out what it takes to become a jet pilot. They'll also learn how a plane flies, and how a jet airplane works. Throughout the video, great action shots of the Blue Angels and real fighter pilots hold their attention.

I Wanna Be...A Train Engineer

Grades 3-4

In this program, children examine a diesel engine, and see how a train operates. While talking with a train engineer, they learn fascinating information about trains and what it's like to work on one. Then it's off for a ride on a huge old steam locomotive, where they'll actually sit in the engine compartment as it chugs down the line. The sights and sound of this tape will thrill children of any age!

I Wanna Be...A Ship Captain

Grades 2-5

In this learning adventure, children tour a Coast Guard Cutter and see some great shots of the Coast Guard in action. The tour also includes interviews with shipboard personnel about life at sea and the many special jobs on board. As an added bonus, they'll go along for a look at one of the world's great seaports and watch giant container ships and freighters being unloaded. The scenes of huge ships, cranes, and machinery will hold the attention of all children.

I Wanna Be...A Race Car Driver

Grades 2-4

In this exciting program, children will hear from two of the world's greatest drivers - Danny Sullivan and Maricio Gugelmin - and they might be surprised at what they learn! Danny and Maricio answer all kinds of questions a youngster might have about racing cars: How fast can they go? How do you become a racecar driver? How much does a racecar weigh? The action is fast-paced with many thrilling shots of racing, creating an exciting learning experience.

I Wanna Be...A Police Officer

Grades 2-5

Children step into the world of law enforcement as they hook up with the Washington State Highway Patrol. They discover what it's like to train at the Patrol Academy, how to drive a patrol car in a high-speed chase, and how officers cope with the dangers of life on the highway. How does radar work? How do the sirens, radios, and computers work? How hard is it to get accepted at the academy? It's a fascinating look at the dedication, discipline and determination needed to be a police officer.

Miscellaneous Videos:

A First Look At Careers (A-K) (L-Z)

Grades 3-6

Featuring the charming characters that appear in the Children's Dictionary of Occupations (also available on loan from STC), these two videos provide an appealing introduction to the work world by sampling occupations from airline pilot to zoologist. Colorful animation and live-action footage combine to give children a taste of occupational choices. For each job, the program describes what the workers do, the tools and equipment they use, their work environment, and any special training needed.

First Impressions

Grades 11-12 (Approximately 15 minutes)

This video is an entertaining and effective tool for informing groups or individuals of the skills necessary to make every interview successful. The key to a successful interview is the ability to make a positive first impression. In this video you meet several people who interview for jobs, and learn why only one is successful. You are the employer...and the judge. You will discover employers' fears and red flags and what they look for in prospective employees. You'll also have the opportunity to discuss and preview a list of "dos" for a positive first impression.

Learning for Earning

Grades 9-12 (7½ minutes)

This video defines the workplace readiness skills an employer expects young people to have, based on SCANS. An activity sheet is included.

Success in the World of Work

Grades 9-12 (9 minutes)

This video features local business people introducing students to the world of work. Highlights include first impressions, communication skills, teamwork, dependability, workplace attitudes, and technology/education.

NYS Department of Labor Careers Video

Grades 9-12 (1 hour)

This video contains clips describing 100 occupations.

Bikes

Grades 5-9 (8 minutes)

This video teaches students about engineering using something they know: bicycles. The story of the engineering team is told through bike racing and manufacturing.

Engineers: Turning Ideas Into Reality

Grades 11-12 (8½ minutes)

This popular video introduces junior and senior high school students to a variety of engineering challenges and rewards. (Suggested activities are included.)

Who are Engineers? You?

Grades 6-12 (12 minutes)

Students are introduced to engineering as they meet a diverse group of engineers working in medical technology, energy production and more. It reinforces the notion that all kinds of people are engineers and that engineering touches all of us on a daily basis. (Activity/follow up sheets are available.)

The Road to School-to-Work: A Map for Implementation **Grades K-12 (74 minutes)**

Topics addressed in this video include School-to-Work Transitions: An Introduction, An Overview of the Model; The Curriculum: Application and integration; Classroom-Based Career Guidance: A Developmental Approach & Coordinating Programs; Work-Based Learning & Business and Community Partnership, Staff Development Needs and Creating a Plan for Action. A Facilitator's Guide and School Implementation Resource Guide are available with this video.

Slinky Scientific Shindig **Grades 6-12 (20 minutes)**

This outrageous video uses the internationally popular slinky toy to teach physics in a zany youth-oriented fashion. It includes interviews with petroleum engineers, refining and petrochemical engineers, and plastics engineers responsible for "turning the plastic slinky idea into reality." An aeronautical engineer even demonstrates the properties of the slinky in outer space. The video comes in a kit with a 16-page teacher's guide and hands-on physics and engineering activities, and a neon plastic slinky for demonstrations.

Newton's Apple Salutes Engineers

Grades 6-12 (64 minutes)

This video was produced in conjunction with KTCA Television. Segments from this long-running popular show examine bridge building, automobile air bags, glass recycling, and more. An activity guide is included.