

American Labor Museum

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The overall purpose of the American Labor Museum is to advance public understanding of the history of work, workers, and the labor movement throughout the world. To this end the museum emphasizes four specific themes: The history of the organized labor movement; Labor in contemporary society; The changing nature of work and the workplace in the US; and the culture of working people, with special attention to the ethnic and immigrant aspects of their lives. The Museum is headquartered in the Botto House National Landmark, home of immigrants and meeting place for workers during the Paterson Silk Strike of 1913.

Fees are \$100 for distance learning classes for schools and organizations that are not members of the Museum, the Partners in Distance Learning, or the Garden State Distance Learning Consortium. Members fee will be \$75.

Program Title: A. Phillip Randolph, the Pullman Porters & the Civil Rights Movement

Description: This distance learning class tells the story of the founding of the Brotherhood of Sleeping Car Porters and its dynamic leader, who became a pioneering African-American labor leader and spokesperson for the Civil Rights Movement.

Disciplines: Social Studies

NJ Standards: 3.4, 6.1, 6.2, 6.5

Grade Levels: 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$75.00 - \$100.00

Availability: By Individual Request

Connection Type: ISDN

Program Title: American Textile Industry, 1900 - Present

Description: The distance learning class traces the history of textile manufacturing, with special attention to Paterson, NJ. The impact of new technology, immigrant workers and labor unions are considered.

Disciplines: Social Studies

NJ Standards: 3.4, 6.1, 6.2, 6.4, 6.5

Grade Levels: 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$75.00 - \$100.00

Availability: By Individual Request

Connection Type: ISDN

Program Title: Botto House, An Immigrant's Home in 1908

Description: The distance learning class examines the daily home- and work-life of Haledon, New Jersey's Botto family, Italian immigrant factory workers of the early 1900's.

Disciplines: Social Studies

NJ Standards: 3.4, 6.1, 6.2, 6.5, 6.6

Grade Levels: 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$75.00 - \$100.00

Availability: By Individual Request

Connection Type: ISDN

Program Title: Child Labor, 1900-Present

Description: The distance learning class looks at the history of child labor and considers national and international contemporary attitudes toward child labor.

Disciplines: Social Studies

NJ Standards: 1.2, 3.4, 6.1, 6.2, 6.5

Grade Levels: 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$75.00 - \$100.00

Availability: By Individual Request

Connection Type: ISDN

Program Title: History of the Photoengravers Union Local 1, 1894-1997

Description: This distance learning class traces the development of this branch of the printing industry and the union struggles of its workers.

Disciplines: Social Studies

NJ Standards: 3.4, 6.1, 6.2, 6.5

Grade Levels: 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$75.00 - \$100.00

Availability: By Individual Request

**Connection
Type:** ISDN

Program Title: Paul Robeson (1898-1976): American Hero

Description: This distance learning class studies the life and accomplishments of this athlete, actor, singer, lawyer, and civil rights leader.

Disciplines: Social Studies, Performing Arts

NJ Standards: 1.3, 3.4, 6.1, 6.2, 6.5

Grade Levels: 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$75.00 - \$100.00

Availability: By Individual Request

**Connection
Type:** ISDN

Program Title: Sol Stetin: Immigrant, Labor Leader & Humanitarian.

Description: The distance learning class explores the life and career of this New Jersey resident who served as General President of the Textile Workers Union.

Disciplines: Social Studies

NJ Standards: 1.2, 3.4, 6.1, 6.2, 6.5

Grade Levels: 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$75.00 - \$100.00

Availability: By Individual Request

**Connection
Type:** ISDN

Program Title: Solidarity Forever: Organized Workers, 1990-Present

Description: This distance learning class traces the development of the American labor movement and discusses how workers won an 8-hour day, minimum wage and safety standards.

Disciplines: Social Studies

NJ Standards: 3.4, 6.1, 6.2

Grade Levels: 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$75.00 - \$100.00

Availability: By Individual Request

Connection Type: ISDN

Program Title: Women at Work: Paterson Silk Strike of 1913

Description: The distance learning class examines the types of factory jobs held by women and how they were treated in their workplaces. It considers the dynamic role of women workers during the strike.

Disciplines: Social Studies

NJ Standards: 3.4, 6.1, 6.2, 6.5

Grade Levels: 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$75.00 - \$100.00

Availability: By Individual Request

Connection Type: ISDN

Program Title: Workers' Struggles Which Led to Strikes, 1900-Present

Description: The distance learning class examines historic labor struggles and workers' goals and achievements. It defines a strike and a boycott and discusses why they take place.

Disciplines: Social Studies

NJ Standards: 3.4, 6.1, 6.2, 6.5

Grade Levels: 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$75.00 - \$100.00

Availability: By Individual Request

Connection Type: ISDN

Battleship New Jersey

62 Battleship Place
Camden, NJ 08103
Mike Flynn
Phone: 856-966-1652 222 Fax: 856-966-3131
Email: education@battleshipnewjersey.org Web: <http://www.battleshipnewjersey.org>

The Battleship New Jersey, our nation's most decorated battleship, is located along the Camden Waterfront in Camden, New Jersey. American history comes alive aboard this 887 foot long, 45,000 ton memorial. A visit to the "Big J" in person or via videoconferencing will provide an educational experience that will long be remembered.

Program Title: African Americans Role in the US Navy

Description: African Americans' naval service stretches back to the beginnings of the nation. Thousands of black men fought in the American War for Independence, many in the new Continental Navy. In the Civil War, black men made up a substantial portion of the Union Navy's enlisted personnel -- 30,000 sailors. But by the dawn of the new century, things had changed. In 1919, the Navy closed the door on opportunities for African Americans by halting Navy enlistment. Due to attrition, just 0.55% of the Navy's enlisted forces were black in 1932, while seventy years earlier, during the Civil War, it had been 25%. Why did this happen? Join us as we examine the role of African Americans in the US navy from 1904 to the present day.

Disciplines: Language Arts, Social Studies

NJ Standards: 3.2, 6.3, 6.4, 6.5

Grade Levels: 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$125.00

Availability: By Individual Request

Connection Type: IP

Program Title: Beirut Crisis – Past and Present

Description: The Battleship New Jersey entered the Beirut Crisis in 1983 after the bombing of the Marine barracks in Lebanon. This class will examine the battleship's role in that war as well as the causes of the conflict. Through primary source documents from those aboard the New Jersey, as well a power point presentation from a Navy veteran, students will evaluate the effectiveness of the methods of dealing with the Lebanese conflict in 1983.

Disciplines: Social Studies, Language Arts

NJ Standards: 1.2, 1.3, 3.2, 6.3, 6.4, 6.5

Grade Levels: 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$125.00

Availability: By Individual Request

**Connection
Type:** IP

Program Title: Buoyancy and Battleships – How Boats Float

Description: Students will learn about the physical principals involved in keeping a 45,000 ton battleship afloat. Buoyancy, equilibrium, displacement, and density will all be explained through hands on activities that will have all age groups entertained and engaged. They will analyze why a steel ship doesn't sink and how submarines dive and return to the surface.

Disciplines: Science, Math, Social Studies, Technology/Information Science

NJ Standards: 4.1, 4.2, 5.1, 5.7, 6.4, 8.2

Grade Levels: 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$125.00

Availability: By Individual Request

**Connection
Type:** IP

Program Title: Eyewitness to American History

Description: Relive history through the eyes of the men and women who served this great nation. In this 45-minute program, your students will have the opportunity to conduct an exercise in oral history with a veteran of America's military forces. Participating veterans are familiar with all branches of the military and this program can be customized to fit the time period you are focusing on in your classroom.

Disciplines: Social Studies, Language Arts, Cross-curricular

NJ Standards: 6.1, 6.4, 3.3

Grade Levels: 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$125.00

Availability: By Individual Request

Connection Type: IP

Program Title: How Energy Changes Form

Description: How does water taken on the ship convert to power to make it run? Students will discover the scientific principles behind these activities on the battleship. Sea water was used for all of the basic energy needs of the sailors- from heating and cooking, to propelling the ship through the ocean. Students will experience areas of the ship which are responsible for the processes necessary for the conversion of these resources.

Disciplines: Science, Math, Technology/Information Science

NJ Standards: 5.4, 5.7, 6.4, 8.2

Grade Levels: 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$125.00

Availability: By Individual Request

Connection Type: IP

Program Title: Korean Conflict / Cold War

Description: Students will learn the causes of the Korean Conflict and the dynamics of the United States' involvement in the early Cold War period. They will also study the perspective of the sailors aboard the USS New Jersey, which was in commission from 1950 through 1957, through primary source documents, artifacts and pictures from the era. Recorded oral histories of the men who served during that time aboard the battleship will supplement the class' learning.

Disciplines: Social Studies, Language Arts

NJ Standards: 3.2, 6.1, 6.3, 6.4, 6.6

Grade Levels: 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$125.00

Availability:

**Connection
Type:** IP

Program Title: Mechanical Advantage

Description: When a projectile weighing 1,900 lbs. needs to be moved, without the use of machinery, how is it accomplished? Through the use of simple machines, work is carried out throughout the ship on a daily basis. Students will witness actual demonstrations in the machine shop aboard the battleship. They will also have the opportunity to listen to real life examples of how these machines were used as told by the men who worked on the New Jersey.

Disciplines: Science, Math, Technology/Information Science

NJ Standards: 5.4, 5.7, 6.4, 8.2

Grade Levels: 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$125.00

Availability: By Individual Request

**Connection
Type:** IP

Program Title: New Jersey Heroes

Description: Students will learn about the sacrifices of New Jerseyans who served aboard the Battleship New Jersey and the dedication of those who contributed to her creation. Your class will examine primary source documents, as well as view oral histories from these hometown heroes - from first hand accounts of the battleship at war, to the stories of those who were proud to pound her rivets into place. This class also provides the opportunity for analysis of the roles that New jersey-born women and minorities played in a time when equality in the work-place was uncommon.

Disciplines: Social Studies, Language Arts

NJ Standards: 3.2, 6.4, 6.5, 8.2

Grade Levels: 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$125.00

Availability: By Individual Request

Connection Type: IP

Program Title: Ship Art/Life Aboard the Ship

Description: Students will have the opportunity to explore examples of the ship Art on the Battleship New Jersey. They will discover the jobs available to the crew who furnished the artwork on the ship. Through interpretation of this art students will learn about life aboard the ship as well as create their own ship art with provided art supplies. Short video clips of oral histories from those who served will enhance the educational experience.

Disciplines: Social Studies, Fine Arts, Language Arts

NJ Standards: 1.2, 1.3, 3.2, 6.3, 6.4, 6.5

Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$125.00

Availability: By Individual Request

Connection Type: IP

Program Title: The Vietnam War – The Conflict and Controversy

Description: "Objective, non-controversial history that everyone can agree on doesn't exist with the Vietnam War"(Ronald Spector, chairman of the history department at George Washington University). Students in this class will have the opportunity to examine the basis for this controversy and the era in which it occurred. Primary source documents as well as oral histories from those who served aboard the New Jersey will be included in the lesson.

Disciplines: Social Studies, Language Arts

NJ Standards: 3.2, 6.1, 6.3, 6.4, 6.6

Grade Levels: 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$125.00

Availability: By Individual Request

Connection Type: IP

Program Title: What Good is a Parabola, Anyway?

Description: Students will examine how the Battleship New Jersey aimed the 16 inch guns with the assistance of a quadratic equation. These guns are capable of firing a 2000 pound projectile up to 23 miles and landing that shell within 30 yards of the intended target. This is amazing when one realizes that the equipment used to aim the guns was designed in the 1930's before GPS, digital computers, or Radar, and is still accurate enough to be used without change today. This is all accomplished with the use of parabolas which is also applied in this class to hands-on activities such as a quarterback throwing a football or a batter hitting a baseball. A video segment which demonstrates the 16 inch guns in action, as well as a life-size replica of an actual shell (over 5ft. tall!) serve to enhance the educational experience.

Disciplines: Science, Math, Technology/Information Science

NJ Standards: 4.3, 5.3, 6.4, 8.2

Grade Levels: 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$125.00

Availability: By Individual Request

Connection Type: IP

Program Title: WWII – War in the Pacific

Description: Students will learn the causes of WWII, examining the attack at Pearl Harbor and the American public's reaction. While studying the role of the Battleship New Jersey in the Pacific, your class will analyze the effect that the Iowa class battleships had on the morale of the average sailor, those on the home front, and the enemy. Through interpretation of artifacts and primary source documents from the era, students will evaluate the effectiveness of the propaganda of the time, comparing and contrasting it with examples from today. Short video clips of oral histories from those who served will enhance the educational experience, as well as clips of the battleship's 16" guns in action.

Disciplines: Social Studies, Language Arts

NJ Standards: 3.3, 6.1, 6.2, 6.3, 6.4, 6.6, 8.2

Grade Levels: 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$125.00

Availability:

**Connection
Type:** IP

Bronx Zoo

Wildlife Conservation Society/Distance Learning
2300 Southern Boulevard
Bronx, NY 10460
Erica Sopha
Phone: 718-741-1693 Fax: 718-733-2921
Email: distancelearning@wcs.org Web: <http://www.bronxzoo.com/distancelearning>

With more than 4,000 animals and award-winning cutting-edge exhibits, the Bronx Zoo is world-renowned. It is the flagship zoo in the world's largest system of urban wildlife parks. The zoo is managed and headquarters to the Wildlife Conservation Society.

Program Title: Awesome Adaptations

Description: If you've been to a zoo lately, you may have seen some odd-looking creatures and wondered why some animal body parts are so unusual. In this program students will uncover the mystery of land animals' feet. Adaptation, a challenging yet essential concept, becomes clear in this program. Understanding how physical adaptations are related to the environment will lead students to additional insights, such as why an animal cannot survive when its habitat is destroyed.

Disciplines: Science, Cross-Curricular

NJ Standards: 5.1, 5.5

Grade Levels: 5, 6, 7, 8

Fee: \$180.00

Availability: By Individual Request

Connection Type: IP
ISDN

Program Title: Food Webs

Description: Each individual species is concerned with obtaining energy - energy to keep going, energy to grow, energy to reproduce, energy for survival. Starting with analyzing their own breakfast, students examine the flow of energy in living systems as represented in food chains and webs. Students discover the role of producers, consumers, herbivores, carnivores, and omnivores, as they build an actual food web.

Disciplines: Science, Cross-Curricular

NJ Standards: 5.1, 5.5

Grade Levels: 4, 5, 6

Fee: \$180.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN

Program Title: Leaping Lemurs! Conservation on the Edge

Description: Take your students to the heart of Madagascar. Visit diverse habitats and explore the relationships between lemurs and their environments. Live cameras will transport your class to the Bronx Zoo's new Madagascar! exhibit, where students will observe lemurs, fossas, and a ring-tailed mongoose, and make decisions on how to best protect them and their native habitats.

Disciplines: Science, Social Studies, Career Ed, Cross-Curricular

NJ Standards: 5.5

Grade Levels: 6, 7, 8

Fee: \$180.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN

Camden Children's Garden

3 Riverside Drive
Camden, NJ 08103
Garden Educator
Phone: 856-365-8733 Fax: 856-365-9750
Email: education@camdenchildrensgarden.org Web: <http://www.camdenchildrensgarden.org>

The Camden Children's Garden Education Program Distance Learning and On-Site lessons follow the NJ Department of Education Core Curriculum Content Standards and the American Association for the Advancement of Science Benchmarks for Science Literacy.

Note: The Garden connects via ISDN. Bridging is available for an additional fee.

Program Title: Ben Franklin: Scientist and Innovator

Description: Ben Franklin was a man who wore many hats: printer, ambassador, writer, patriot. But one title he relished was scientist. Learn about his discoveries and how he used them for the betterment of society.

Disciplines: Science, Social Studies

NJ Standards: 5.1, 5.2, 5.4, 5.6, 5.7, 6.2, 6.4

Grade Levels: 3, 4, 5, 6

Fee: \$55.00 - \$80.00

Availability: By Individual Request

Connection Type: ISDN

Program Title: Birds of a Feather

Description: Birds are very interesting animals. Learn how different species of birds have adapted to survive in the environments in which they are found. This class can be adapted to specific grade levels at the request of a teacher.

Disciplines: Science

NJ Standards: 5.1, 5.5, 5.10

Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8

Fee: \$55.00 - \$80.00

Availability: By Individual Request

Connection Type: ISDN

Program Title: Bountiful Biodiversity

Description: Biodiversity affects our lives every day. What is biodiversity and why is it important to us? This class can be adapted to specific grade levels at the request of a teacher.

Disciplines: Science

NJ Standards: 5.2, 5.5, 5.8, 5.10, 6.1, 6.2

Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$55.00 - \$80.00

Availability: By Individual Request

**Connection
Type:** ISDN

Program Title: Bouquet for Butterflies

Description: Why are some flowers very special for butterflies while other flowers have very few visitors? Take a closer look at pollination and who pollinates what flower? Some flowers have different shapes to welcome some pollinators while shutting out the competition. Length: 45 minutes

Disciplines: Science

NJ Standards: 5.1, 5.3, 5.5, 5.10

Grade Levels: 5, 6

Fee: \$55.00 - \$80.00

Availability: By Individual Request

**Connection
Type:** ISDN

Program Title: Carnivorous Plants

Description: Did you know that some plants eat insects? Learn where these plants live and why they need the extra nutrition. This class can be adapted to specific grade levels at the request of a teacher.

Disciplines: Science

NJ Standards: 5.1, 5.5, 5.10

Grade Levels: 3, 4, 5, 6, 7, 8

Fee: \$55.00 - \$80.00

Availability: By Individual Request

**Connection
Type:** ISDN

Program Title: Chocolate and Vanilla

Description: Ever wonder where these fabulous flavors come from? Explore the intriguing food web and processes that bring us two of the most delectable food products to our homes. This class can be adapted to specific grade levels at the request of a teacher.

Disciplines: Science

NJ Standards: 5.5, 5.8, 5.10, 6.1, 6.2, 6.3, 6.5, 6.6.

Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8

Fee: \$55.00 - \$80.00

Availability: By Individual Request

**Connection
Type:** ISDN

Program Title: DNA Typing

Description: How can the police discover which suspect is guilty of the crime committed with just a sample of saliva? Learn about DNA and how it can be used in forensic science.

Length: 45 mins

Disciplines: Science

NJ Standards: 5.1, 5.2, 5.4, 5.5

Grade Levels: 7, 8, 9, 10, 11, 12

Fee: \$55.00 - \$80.00

Availability: By Individual Request

**Connection
Type:** ISDN

Program Title: Genetics: Mendel's Peas

Description: Discover dominant and recessive traits among yourselves, then study peas. Figure it all out on a Punnett Square. Length: 45 minutes

Disciplines: Science, Math

NJ Standards: 4.4, 5.1, 5.2, 5.3, 5.4, 5.5

Grade Levels: 7, 8, 9, 10, 11, 12

Fee: \$55.00 - \$80.00

Availability: By Individual Request

**Connection
Type:** ISDN

Program Title: Germination

Description: Have you ever looked inside of a seed? Compare and contrast different types of seeds by their leaf structure and learn the function of each part. Illustrate the plant life cycle.

Length: 45 minutes

Disciplines: Science

NJ Standards: 5.1, 5.5, 5.10

Grade Levels: 5, 6

Fee: \$55.00 - \$80.00

Availability: By Individual Request

**Connection
Type:** ISDN

Program Title: Grasses for the Masses

Description: Can you name four grasses that we eat? Learn about the importance of grains to all cultures around the world. This class can be adapted to specific grade levels at the request of a teacher.

Disciplines: Science, Social Studies

NJ Standards: 5.1, 5.2, 5.4, 5.5, 5.10, 6.1, 6.2, 6.6

Grade Levels: 5, 6, 7, 8

Fee: \$55.00 - \$80.00

Availability: By Individual Request

**Connection
Type:** ISDN

Program Title: Great Migrations-It's a Small World

Description: Many species of animals travel thousands of miles a year to and from far away lands as part of a ritual that has gone on for millennia. Learn the importance of protecting our one Earth and how animals know no borders.

Disciplines: Science, Social Studies

NJ Standards: 5.4, 5.5, 5.10, 6.2, 6.6

Grade Levels: 5, 6, 7, 8

Fee: \$55.00 - \$80.00

Availability: By Individual Request

**Connection
Type:** ISDN

Program Title: Learning from the Lorax.

Description: Learn why it is important to conserve natural resources. We will read Dr. Seuss's "The Lorax" and discuss the effects of deforestation. This class can be adapted to specific grade levels at the request of a teacher.

Disciplines: Science, Language Arts

NJ Standards: 3.1, 3.3, 3.4, 5.1, 5.4, 5.5, 5.8, 5.10, 6.1, 6.2

Grade Levels: 3, 4, 5, 6, 7, 8

Fee: \$55.00 - \$80.00

Availability: By Individual Request

**Connection
Type:** ISDN

Program Title: Naturally Nutritious

Description: Healthy eating is important, but how do we know what to eat? Learn how the new USDA Food Pyramid can help and why What an apple a day keeps the doctor away! This class can be adapted to specific grade levels at the request of a teacher.

Disciplines: Science

NJ Standards: 2.1, 2.2, 2.6, 5.1, 5.5

Grade Levels: 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$55.00 - \$80.00

Availability: By Individual Request

**Connection
Type:** ISDN

Program Title: Ocean Floors~Under the Sea!

Description: Our planet is covered with water, most of it found in our vast oceans. Though we sometimes think of an ocean as one big body of water, it really is a diverse environment. Meet some of the critters that live under the sea, and the habitat they live in. This class can be adapted to specific grade levels at the request of the teacher.

Disciplines: Science

NJ Standards: 5.1, 5.2, 5.5, 5.6, 5.8, 5.10, 6.6

Grade Levels: K, 1, 2, 3, 4, 5, 6

Fee: \$55.00 - \$80.00

Availability: By Individual Request

**Connection
Type:** ISDN

Program Title: Photosynthesis

Description: Discover the source of life on the planet and learn how trees can transform this vital energy from the sun into food. What parts of a tree play a role in transforming the vital energy from the sun into food? Length: 45 minutes

Disciplines: Science

NJ Standards: 5.1, 5.3, 5.5, 5.6, 5.7, 5.10

Grade Levels: 5, 6

Fee: \$55.00 - \$80.00

Availability: By Individual Request

**Connection
Type:** ISDN

Program Title: Soil Detective

Description: It's a dirty job, but someone's got to do it! Get out those test tubes and soil samplers. Check the pH and use a thermometer to determine soil temperature. Identify and classify different types of soil. Length: 45 minutes

Disciplines: Science

NJ Standards: 5.1, 5.3, 5.4, 5.5, 5.6, 5.8, 5.10

Grade Levels: 5, 6

Fee: \$55.00 - \$80.00

Availability: By Individual Request

**Connection
Type:** ISDN

Program Title: Tropical Rainforests~Flavors of the Forest

Description: Discover the wonders and products of the tropical rainforests. Learn why they are so important to all our lives. This class can be adapted to specific grade levels at the request of a teacher.

Disciplines: Science, Social Studies

NJ Standards: 5.5, 5.8, 5.10, 6.1, 6.2, 6.5, 6.6

Grade Levels: K, 1, 2, 3, 4, 5, 6

Fee: \$55.00 - \$80.00

Availability: By Individual Request

**Connection
Type:** ISDN

Program Title: Tropical Rainforests~Issues in Conservation

Description: If saving rainforests is so popular, why are we still losing so much of them today? Learn about some of the issues that make this popular cause so difficult to achieve and what you can do to help their conservation. This class can be adapted to specific grade levels at the request of a teacher.

Disciplines: Science, Social Studies

NJ Standards: 5.5, 5.8, 5.10, 6.2, 6.5, 6.6

Grade Levels: 7, 8, 9, 10, 11, 12

Fee: \$55.00 - \$80.00

Availability: By Individual Request

**Connection
Type:** ISDN

Program Title: Weird Weather

Description: Weather affects our every day lives, even if we do not think about it every day. Learn about atmospheric changes that cause the weather we see and feel. This class can be adapted to specific grade levels at the request of a teacher.

Disciplines: Science, Social Studies

NJ Standards: 5.1, 5.2, 5.3, 5.4, 5.6, 5.7, 5.8, 5.9, 5.10, 6.1, 6.6

Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8

Fee: \$55.00 - \$80.00

Availability: By Individual Request

**Connection
Type:** ISDN

Program Title: Wetlands

Description: Explore wetlands around the Delaware River through story and pictures. Discuss the many reasons why wetlands are important. This class can be adapted to specific grade levels at the request of a teacher.

Disciplines: Science, Social Studies

NJ Standards: 5.3, 5.5, 5.7, 5.8, 5.10, 6.1, 6.2, 6.6.

Grade Levels: 3, 4, 5, 6, 7, 8

Fee: \$55.00 - \$80.00

Availability: By Individual Request

**Connection
Type:** ISDN

Program Title: Where's the Water?

Description: Have you ever wondered where the snow goes when it melts from the top of a mountain in the Spring? Follow a water molecule on an interesting journey that can last the life span of the Earth. This class can be adapted to specific grade levels at the request of a teacher.

Disciplines: Science, Social Studies

NJ Standards: 5.1, 5.5, 5.6, 5.7, 5.8, 5.10, 6.1, 6.2, 6.6.

Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8

Fee: \$55.00 - \$80.00

Availability: By Individual Request

**Connection
Type:** ISDN

Program Title: Wondrous Whales

Description: What makes whales different from dolphins? Learn how many different whales there are and what makes each species unique. This class can be adapted to specific grade levels at the request of a teacher.

Disciplines: Science

NJ Standards: 5.1, 5.4, 5.5, 5.6, 5.10, 6.1, 6.2, 6.6

Grade Levels: 3, 4, 5, 6

Fee: \$55.00 - \$80.00

Availability: By Individual Request

Connection Type: ISDN

Program Title: Yummy Plant Parts

Description: Did you know that a carrot is a root and a potato is a tuber? Learn what part of a plant your favorite vegetable comes from. This class can be adapted to specific grade levels at the request of a teacher.

Disciplines: Science

NJ Standards: 2.1, 5.1, 5.5, 5.6, 5.10

Grade Levels: K, 1, 2, 3, 4, 5, 6

Fee: \$55.00 - \$80.00

Availability: By Individual Request

Connection Type: ISDN

Cape May County Park and Zoo

4 Moore Road, DN 801
Cape May Court House, NJ 08210
Barbara Agens
Phone: 609-465-6832 Fax: 609-465-5421
Email: bagens@co.cape-may.nj.us Web: <http://www.capemaycountygov.net>

We are an AZA accredited facility that focuses on educating the public and superior animal care.

Program Title: Amazing Adaptations

Description: Adaptations are all around us! But can you see them? This up-close look at how animals have changed to better fit their environment will astound and amaze you. Note: This subject matter can be centered on a specific habitat of interest or an overview of many ecosystems.

Disciplines: Science, Social Studies, Language Arts, Fine Arts

NJ Standards: 3.3, 3.4, 5.5, 5.10, 6.6

Grade Levels: 2, 3, 4, 5, 6, 7, 8

Fee: \$50.00 - \$75.00

Availability: By Individual Request

Connection Type: ISDN

Program Title: Animal Enrichment

Description: Investigate the newest thing to hit zoos across the world. Food, smells, toys, and sounds that are created solely for the animals' enjoyment. Take a look at the many different ways we keep our animals happy and healthy through enrichment.

Disciplines: Math, Science, Social Studies, Health/PE, Character Ed, Fine Arts

NJ Standards: 3.3, 3.4, 5.5, 5.10

Grade Levels: 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$50.00 - \$75.00

Availability: By Individual Request

Connection Type: ISDN

Program Title: Animal Kingdom

Description: All animals are different, whether it is in size, shape, or color. But did you know that the diversity goes more than skin deep? Discover the general differences that separate mammals, reptiles, birds, amphibians, and invertebrates.

Disciplines: Science, Social Studies, Character Ed

NJ Standards: 3.3, 3.4, 5.5, 5.10, 6.6

Grade Levels: PK, K, 1, 2, 3, 4, 5, 6

Fee: \$50.00 - \$75.00

Availability: By Individual Request

**Connection
Type:** ISDN

Program Title: Animal Senses

Description: Animals come in all different shapes and sizes. So how do they see, smell and hear the world around them? Learn the reason behind why a snake sticks its tongue out, why a cat's eyes glow in the dark, and much more.

Disciplines: Science, Social Studies, Health/PE, Special Needs

NJ Standards: 3.3, 3.4, 5.5, 5.10

Grade Levels: PK, K, 1, 2, 3, 4, 5, 6

Fee: \$50.00 - \$75.00

Availability: By Individual Request

**Connection
Type:** ISDN

Program Title: Bird Brains

Description: With so many different colors, beaks, and feet, birds are a truly fascinating group. Here we will take a close up look at many differences between our fine feathery friends. We will also look at why some birds can fly while others cannot.

Disciplines: Science, Social Studies, Language Arts, Fine Arts

NJ Standards: 3.3, 3.4, 4.1, 4.5, 5.5, 5.10, 6.6

Grade Levels: 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$50.00 - \$75.00

Availability: By Individual Request

**Connection
Type:** ISDN

Program Title: Cold-Blooded Creatures

Description: Reptiles and Amphibians feel cold to the touch but *why?!* Explore the wild world of what allows animals to survive when they can't keep themselves warm.

Disciplines: Science, Social Studies, Health/PE, Language Arts, Fine Arts

NJ Standards: 3.3, 3.4, 5.5, 5.8, 5.10, 6.6

Grade Levels: 2, 3, 4, 5, 6, 7, 8

Fee: \$50.00 - \$75.00

Availability: By Individual Request

**Connection
Type:** ISDN

Program Title: Endangered Animals and the SSP

Description: The SSP, or *Species Survival Program*, is a major way zoos across the world are trying to help increase endangered animals' numbers, all the while trying to ensure the healthiest and strongest offspring possible.

Disciplines: Science, Social Studies, Health/PE, Character Ed, Language Arts, Fine Arts

NJ Standards: 3.3, 3.4, 5.5, 5.10, 6.6, 9.2

Grade Levels: 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$50.00 - \$75.00

Availability: By Individual Request

**Connection
Type:** ISDN

Program Title: Exhibit Design

Description: Do you know the *four* essential requirements to support life? Do you know what it takes to keep an animal from escaping? Take a look into what we do for our animals at the zoo in order to keep them happy, healthy and safe.

Disciplines: Math, Science, Social Studies, Health/PE, Character Ed, Fine Arts, Language Arts

NJ Standards: 3.3, 3.4, 4.1, 4.2, 4.5, 5.5, 5.10

Grade Levels: PK, K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$50.00 - \$75.00

Availability: By Individual Request

**Connection
Type:** ISDN

Program Title: Fact or Fiction

Description: Are snakes *slimy*? Do opossums *really* hang upside down by their tails? Uncover the facts from the fiction as we expose the myths of the animal kingdom.

Disciplines: Science, Social Studies, Character Ed, Language Arts

NJ Standards: 3.3, 3.4, 5.5, 5.10, 9.2

Grade Levels: PK, K, 1, 2, 3, 4, 5, 6, 7, 8

Fee: \$50.00 - \$75.00

Availability: By Individual Request

**Connection
Type:** ISDN

Program Title: Fur, Feathers, Scales and Slime

Description: Animals are covered by many different types of skin. We will look at why snakes have to shed their skin and how a frog breathes through its skin. No matter where the animal lives, or what it does they all have some type of skin.

Disciplines: Science, Social Studies, Character Ed, Special Needs, Language Arts, Fine Arts

NJ Standards: 3.3, 3.4, 5.5, 5.8, 5.10, 6.6

Grade Levels: PK, K, 1, 2, 3, 4, 5, 6

Fee: \$50.00 - \$75.00

Availability: By Individual Request

**Connection
Type:** ISDN

Program Title: Habitats

Description: The earth is covered by multiple habitats and ecosystems. Together we take a closer look into what makes each environment different and how animals survive in their specific *niche*.

Disciplines: Science, Social Studies, Health/PE, Career Ed, Language Arts

NJ Standards: 3.3, 3.4, 5.5, 5.8, 6.6, 5.10

Grade Levels: 2, 3, 4, 5, 6, 7, 8

Fee: \$50.00 - \$75.00

Availability: By Individual Request

**Connection
Type:** ISDN

Program Title: Nomenclature No-No's

Description: All animals have common names with which they are referred to on a daily basis, but they also have scientific names. Here we will learn about Carl Linnaeus and his binomial nomenclature which uses Latin to name animals; a naming system that transcends all other languages.

Disciplines: Science, Social Studies, Language Arts

NJ Standards: 3.3, 3.4, 5.5, 5.10, 7.1

Grade Levels: 6, 7, 8, 9, 10, 11, 12

Fee: \$50.00 - \$75.00

Availability: By Individual Request

**Connection
Type:** ISDN

Program Title: Parental Behaviors

Description: Ever wonder who in the animal kingdom is a good parent? Learn which animals take care of their babies and how we handle new additions at the zoo.

Note: Sexual material is covered in this program, basic sexual education is required.

Disciplines: Science, Social Studies, Character Ed, Health/PE

NJ Standards: 3.3, 3.4, 5.5, 5.10

Grade Levels: 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$50.00 - \$75.00

Availability: By Individual Request

**Connection
Type:** ISDN

Program Title: Skull Specific

Description: Take an up close look at what *lies* underneath the fur and skin of some amazing animals. A lot can be explained from the skull of an animal. Just one quick look can tell you how intelligent they are, to even what kinds of food they eat.

Disciplines: Science, Social Studies, Character Ed, Health/PE, Language Arts

NJ Standards: 3.3, 3.4, 5.5, 5.10

Grade Levels: 2, 3, 4, 5, 6, 8

Fee: \$50.00 - \$75.00

Availability: By Individual Request

**Connection
Type:** ISDN

Program Title: Things that go Bump in the Night

Description: Nocturnal animals have so many special means of dealing with the living in the absence of light. Together we will explore how they exist in the darkness, and try to amend a few myths while we are there.

Disciplines: Social Studies, Science, Character Ed, Health/PE, Language Arts

NJ Standards: 3.3, 3.4, 5.5, 5.10, 6.6

Grade Levels: 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$50.00 - \$75.00

Availability: By Individual Request

**Connection
Type:** ISDN

Program Title: What's For Lunch?

Description: Inspect why some animals eat only plants, while some eat only meat. And just what do you call humans because we eat *both*?! Here we'll take a look at basic dietary needs of many different animals and just what we feed them here at the zoo.

Disciplines: Science, Social Studies, Character Ed, Health/PE, Language Arts

NJ Standards: 3.3, 3.4, 5.5, 5.10

Grade Levels: PK, K, 1, 2, 3, 4, 5, 6, 7, 8

Fee: \$50.00 - \$75.00

Availability: By Individual Request

**Connection
Type:** ISDN

Program Title: Who Has a Backbone?

Description: Without our bones we would not be able to move, so *how can* invertebrates operate while they wear their bones on the outside? Here we will compare animals who are covered by their bones versus those who's bones are enclosed within their bodies.

Disciplines: Science, Social Studies, Character Ed, Health/PE, Language Arts

NJ Standards: 3.3, 3.4, 5.5, 5.10, 9.2

Grade Levels: 2, 3, 4, 5, 6, 7, 8

Fee: \$50.00 - \$75.00

Availability: By Individual Request

**Connection
Type:** ISDN

Program Title: Zoo Careers

Description: What does a Zookeeper do on a typical day? What classes do they take to learn about animals? Together we will look into the many jobs and lives that go into making a zoo function, and how those people got their jobs.

Disciplines: Science, Social Studies, Career Ed, Character Ed, Language Arts

NJ Standards: 3.3, 3.4, 5.5, 5.10, 9.1

Grade Levels: 6, 7, 8, 9, 10, 11, 12

Fee: \$50.00 - \$75.00

Availability: By Individual Request

**Connection
Type:** ISDN

Dr. Robert Nahory

Rutgers University
Dana Library
Newark, NJ 07102
Dr. Robert Nahory
Phone: 973-353-5593 Fax:
Email: nahory@andromeda.rutgers.edu

Rutgers University physicist with experience in public school classrooms using videoconferencing since 1994.

Program Title: Physics

Description: Various subject areas in physics including what is science and what do scientists actually do, light and color, how we see, audio and hearing, the basics of atoms, basic electricity, the pendulum, energy, solar system, lunar motion and eclipses, astronomy and other topics in the natural sciences. I like to work with teachers to develop new programs that fit their current curriculum. Programs are designed to be fully interactive with children and teachers, providing discussions with a working research scientist.

Disciplines: Science, Career Ed, Professional Development, Cross-curricular

NJ Standards: 5.1, 5.6, 5.7

Grade Levels: 4, 5, 6, 7, 8, 9, Teachers

Fee: \$0.00

Availability: By Individual Request

Connection Type: IP
Desktop VC

Ellis Island Immigration Museum

Statue of Liberty National Monument & Ellis Island

Liberty Island, NY 10004

Joan Kelly

Phone: 212-363-3206 134 Fax: 212-363-6304

Email: morgan_smith@nps.gov Web: <http://http://www.nps.gov/elis/forteachers/index.htm>

An agency of the United States Department of the Interior.

Program Title: A Distant Shore

Description: Students will learn about America's immigration past during its busiest era in history, focusing on the years 1892 through 1954 through the nation's first federal immigration station, Ellis Island.

Disciplines: Math, Social Studies, Language Arts, Cross-Curricular

NJ Standards: 2.6, 2.7,3.1,3.2,3.3,3.4,3.5,4.3,4.10,6.4,6.5,6.6,6.7,6.8,6.9

Grade Levels: 4, 5, 6

Fee: \$0.00 - \$0.00

Availability: By Individual Request

Connection Type: ISDN

Fort Mifflin on the Delaware

1 Fort Mifflin Rd.
Philadelphia, PA 19153
Lee Patrick Anderson
Phone: 215-685-4167 Fax: 215-685-4166
Email: lee_anderson@juno.com Web: <http://www.fortmifflin.us>

Originally built in 1771 and reconstructed in 1798, Fort Mifflin is the oldest fortification continually used in the U.S. and was instrumental in allowing Washington and his Continental Army to retreat to Valley Forge in the fall of 1777. Witness to the largest bombardment ever seen on the North American continent, British forces hurled 1,000 cannonballs every 20 minutes for almost six weeks. Programs at the facility focus on a Revolutionary War battle and Fort Mifflin's strategic location in the Delaware River at the mouth of the Schuylkill River. Situated on about 30 acres, a complex of approximately eight historic buildings are open for tours.

Program Title: Civil War Soldier Life

Description: Much like our Revolutionary War Soldier Life program, but with subtle differences due to the different era. Soldiers were fighting for far different reasons on both sides. But many on the same sides were also fighting for a different agenda. At Fort Mifflin, Union soldiers were garrisoned here and Confederate soldiers were prisoners. Students will learn how soldiers were recruited and trained and the assorted accouterments needed. A student will be recruited from the school to be a volunteer soldier and share the extreme challenges the men in this era faced.

Disciplines: Social Studies

NJ Standards: 6.1

Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers, Administrators, Parents

Fee: \$125.00

Availability: By Individual Request

**Connection
Type:**

Program Title: Revolutionary War Soldier Life

Description: Students learn how soldiers lived, were recruited and adapted to the Continental Army from 1775-1783. What type of training they received, what items they were issued, those they brought from home, their living conditions, what they ate, the clothes they wore and the weapons they used in the Revolutionary War. Women and children's roles are also discussed, and through a chest of replica uniforms that will be mailed to the school prior to the program date, a student at the school will be dressed as a volunteer soldier.

Disciplines: Social Studies, Character Ed, Special Needs

NJ Standards: 6.1

Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers, Administrators, Parents

Fee: \$125.00

Availability: By Individual Request

**Connection
Type:**

Global Education Motivators (GEM)

9601 Germantown Ave
Philadelphia , PA 19118
Sabrina Cusimano
Phone: 215-248-1150 Fax:
Email: gem@chc.edu Web: <http://www.gem-ngo.org>

GEM is a non-profit educational organization based at Chestnut Hill College in Philadelphia, PA (USA). GEM is an NGO (non-governmental organization) in association with the United States Department of Public Information. GEM services schools to promote global awareness, understanding and responsibility in an interdependent world through the use of videoconferencing technology.

Program Title: Conflict in Africa - Sudan and the Lost Boys

Description: "Sudan and the Lost Boys" program is to make humanity more aware of the consequences of war and related effects on the victims and the country at large. The program specifically and exclusively focuses on the past and current issues in the largest and the most war-affected country of Sudan. Thus, the program is to educate and give details to the public about the reality of war. From first hand experience, the keynote speaker of the program gives a moving testimonial to the plight of war affected children.

Disciplines: Social Studies

NJ Standards: 3.1, 3.2, 3.3, 3.4, 3.5, 6.1, 6.2, 6.6

Grade Levels: 6, 7, 8, 9, 10, 11, 12

Fee:

Availability: By Individual Request

**Connection
Type:**

IP
ISDN
Desktop VC

Program Title: Customized Programs

Description: Work with GEM and develop a global videoconference to fit your classroom needs. Topics can range from global issues to school-to-school communication exchanges in areas of mutual interest. Samples: 1. Connect with the United Nations for a one-time session on a global issue or develop with GEM a “mini-course” on a global topic. Choose from topics such as: The Environment, Human Rights, Health, International Law, War Affected Children, Disarmament, Peace and Security, PeaceKeeping, Poverty, etc. 2. Support Model UN preparation by linking with the UN and UN Missions. 3. Develop school-to-school communication exchanges on topics of mutual interest. 4. Develop a cross-cultural, cross-curricular program that supports your classroom studies. You decide!

Disciplines:

NJ Standards: n/a

Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$100.00 - \$250.00

Availability: By Individual Request

Connection

Type: IP
ISDN
Desktop VC

Program Title: Electronic Field Trips to the United Nations

Description: Get first-hand reports from the United Nations on the following topics: Children and Armed Conflict; Water; Global Warming; Millennium Development Goals; Terrorism vs. Democracy; Human Rights; and UNICEF. These topics and others can be customized to fit your curriculum. Programs are 60 minutes each.

Disciplines: Science, Social Studies, Health/PE, Language Arts, Cross-Curricular, World Languages

NJ Standards: 6.2

Grade Levels: 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$175.00

Availability: By Individual Request

Connection

Type: IP
ISDN
Desktop VC

Program Title: GEMStones

Description: Your GEMStones kit will contain approximately 25 specimens, each with mystery questions for students to solve and answer sheets for teachers. By handling and examining the samples in the kits they begin to solve basic earth science concepts for their own and get the “Oh Wow!” of science. This, combined with the interdependent theme, helps them understand the interconnectedness of Planet Earth.

Disciplines: Science

NJ Standards: 5.8

Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$300.00

Availability: By Individual Request

Connection Type: IP
ISDN
Desktop VC

Program Title: Global Meltdown

Description: A 3-part series (February-April) that focuses on the arctic, water, and how climate changes can tip the delicate balance of nature. Programs use key experts in this field. Previous speakers have included: Andrew Revkin (NY Times), James Sniffin (UN), and Donna Goodman (UN). Programs are 90 minutes.

Disciplines: Social Studies, Cross-Curricular

NJ Standards: 6.2

Grade Levels: 8, 9, 10, 11, 12

Fee: \$300.00

Availability: By Individual Request

Connection Type: IP
ISDN
Desktop VC

Program Title: The UN in Your World

Description: An annual four part series from the United Nations (February-May) that connects students at multiple sites with each other to explore the work of the UN in today's turbulent world. Each program is 90 minutes.

Disciplines: Social Studies

NJ Standards: 6.2

Grade Levels: 8, 9, 10, 11, 12

Fee: \$300.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN
Desktop VC

Program Title: Virtual Field trips to the Fairmount Water Works Interpretive Center

Description: Students will learn how "Clean Water Begins and Ends with You" by watching a 20-minute DVD of highlights of the Interpretive Center and then interacting with the Water Works staff. Can be used as preparation for a visit to the center or as a stand-alone program. Program includes pre-visit materials sent in advance of the videoconference.

Disciplines: Science, Service Learning, Cross-Curricular

NJ Standards: 5.8

Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee:

Availability: By Individual Request

**Connection
Type:** IP
ISDN
Desktop VC

Historic Cold Spring Village

720 Route 9
Cape May, NJ 08204
Jim Stephens
Phone: 609-898-2300 17 Fax: 609-884-5926
Email: jstephens@hcsv.org Web: <http://www.hcsv.org>

An early American living history museum

Program Title: A Child's School Day in the 1800s.

Description: An interactive discussion of a typical day in a 19th century one room school.
Disciplines: Social Studies
NJ Standards: 6.1, 6.5, 6.6
Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Fee: \$80.00 - \$95.00
Availability: By Individual Request
Connection Type: ISDN

Program Title: A Father's Day in the 1800's

Description: An examination of several early 19th century trades.
Disciplines: Social Studies
NJ Standards: Social Studies, 6.1, 6.5, 6.6, 6.9
Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Fee: \$80.00 - \$95.00
Availability: By Individual Request
Connection Type: ISDN

Program Title: A Mother's Day in the 1800s

Description: View the domestic arts and tasks necessary for running an early 19th century home.
Disciplines: Social Studies
NJ Standards: Social Studies, 6.1, 6.5, 6.6, 6.9
Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Fee: \$80.00 - \$95.00
Availability: By Individual Request
Connection Type: ISDN

Program Title: Four Great Inventions (And One That Almost Was)

Description: Examines five important 18th/19th century inventions: the steamboat, steam locomotive, cotton gin, daguerreotype camera, and difference engine.
Disciplines: Science, Social Studies
NJ Standards: Social Studies, 6.1, 6.4, 6.5, 6.6
Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Fee: \$80.00 - \$95.00
Availability: By Individual Request
Connection Type: ISDN

Program Title: Hearth and Home

Description: Explore the kitchen technology of 19th century open hearth cooking, live from a house built in 1800.
Disciplines: Social Studies
NJ Standards: Social studies 6.1, 6.5, 6.6, 6.9
Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Fee: \$80.00 - \$95.00
Availability: By Individual Request
Connection Type: ISDN

Program Title: Show and Tell

Description: An interactive comparison of 19th century objects with their 21st century equivalents.
Disciplines: Social Studies
NJ Standards: Social Studies, 6.1, 6.4, 6.5, 6.6
Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Fee: \$80.00 - \$95.00
Availability: By Individual Request
Connection Type: ISDN

Program Title: The Red Badge of Courage

Description: Learn about a typical day in the life of a Union soldier during the civil war.
Disciplines: Social Studies
NJ Standards: Social Studies, 6.1, 6.5, 6.6
Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Fee: \$80.00 - \$95.00
Availability: By Individual Request
Connection Type: ISDN

Program Title: The Story of Old Glory

Description: Look at the history of the most famous symbol of the United States, our nation's flag.
Disciplines: Social Studies
NJ Standards: Social Studies, 6.1, 6.5, 6.6
Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Fee: \$80.00 - \$95.00
Availability: By Individual Request
Connection Type: ISDN

Historically Speaking

P.O. Box 488
Cameron Mills, NY 14820
Paul Stillman
Phone: 607-695-2656 Fax:
Email: Realbenfranklin@aol.com Web: <http://www.speakinghistorically.com>

First-person, historical characterizations, workshops, long distance learning

Program Title: Benjamin Franklin

Description: Benjamin Franklin talks about his life and times, with numerous visuals, his inventions, science experiments, life abroad, Declaration of Independence, the Revolutionary War and the Constitution.

Disciplines: Math, Science, Social Studies, Performing Arts, Cross-curricular

NJ Standards: 1.2, 6.1

Grade Levels: PK, K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$150.00

Availability: By Individual Request

Connection Type: IP
ISDN

Program Title: Colonial Craftsman

Description: Talk to an American Colonial Craftsman from the Eighteenth Century, learn about making quill, reed, and bamboo pens and ink, making a powder horn, a hatter, tanner, and rifle maker. Learn about apprentices, their lives and life in general in colonial times.

Disciplines: Science, Social Studies, Performing Arts

NJ Standards: 1.1, 1.2, 1.3, 1.4, 1.5, 6.1, 6.2, 6.4

Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$150.00

Availability: By Individual Request

Connection Type: IP
ISDN

Program Title: Galileo and his times

Description: Meet Galileo, learn of his times, his inventions, astronomy, science, and difficulties with the church in the 1600's.

Disciplines: Science, Social Studies, Performing Arts

NJ Standards: 1.1, 1.2, 1.3, 1.4, 1.5, 6.1, 6.2, 6.3, 6.4, 6.6

Grade Levels: 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$150.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN

Program Title: Japanese Samurai 1600's Feudal Japan

Description: Meet a Ronin, a masterless Samurai, who talks about his life in the Tokogawa Shogun times in Japan or Nippon. Learn about the everyday life of a Samurai, the Bushido. Lots of visuals.

Disciplines: Social Studies, Performing Arts

NJ Standards: 1.1, 1.2, 1.3, 1.4, 1.5, 6.3, 6.6.

Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$150.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN

Program Title: Medieval Craftsman

Description: Lots of visuals with Ethelrhode of Pyggewhistle, a pig farmer and armorer in Medieval England in the time of craft Guilds, Knights, The Church, superstitions, everyday life around a Baily Motte castle and King Edward the first of Edward Longshanks.

Disciplines: Social Studies, Performing Arts

NJ Standards: 1.1, 1.2, 1.3, 1.4, 1.5, 6.3, 6.6

Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$150.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN

Program Title: Nasty Ned the Frontiersman

Description: Meet Nasty Ned, a frontiersman of the eastern woodland from the French and Indian war up to the fur trade and western expansion. Lots of visuals, tall tales, woods lore, and survival.

Disciplines: Social Studies, Performing Arts

NJ Standards: 1.1, 1.2, 1.3, 1.4, 1.5

Grade Levels: PK, K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$150.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN

Program Title: Revolutionary Soldier

Description: Talk to a Revolutionary War soldier, an American Patriot, in a militia uniform, with lots of visuals, and information of the United States during the war and the hardships the Patriot soldiers had to face.

Disciplines: Social Studies, Performing Arts

NJ Standards: 1.1, 1.2, 1.3, 1.4, 1.5, 6.4

Grade Levels: 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$150.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN

Program Title: Theodore Roosevelt, his life and times

Description: Meet Theodore Roosevelt, at the age of fifty-nine, who talks about his entire life from childhood through the Presidential years, after Presidency, his Brazilian adventure, his African adventures. This can also be a press conference, with the students and teachers acting as newspaper journalists asking Theodore Roosevelt about his life or policies.

Disciplines: Social Studies, Performing Arts

NJ Standards: 1.1, 1.2, 1.3, 1.4, 1.5, 6.1, 6.2, 6.3, 6.4, 6.6

Grade Levels: 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$150.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN

Program Title: Union Civil War soldier

Description: Meet a Union Soldier, Sgt. Byron Scott from the 126th NYSV who enlisted in his late forties to serve in the Union Army. Learn of Army life, hardships of a soldier, battles and weapons. Lots of visuals.

Disciplines: Social Studies, Performing Arts

NJ Standards: 1.1, 1.2, 1.3, 1.4, 1.5, 6.4

Grade Levels: 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$150.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN

Holocaust, Genocide & Human Rights Education Center at Brookdale Community College

765 Newman Springs Rd.

Lincroft, NJ 07738

Dale Daniels

Phone: 732-224-2074 Fax: 732-224-2045

Email: ddaniels@brookdalecc.edu Web: <http://www.holocaustbcc.org>

The Holocaust, Genocide & Human Rights Education Center at Brookdale Community College, Lincroft, NJ, is an educational resource center. Its mission is: education about historical issues of the Holocaust and genocide; elimination of racism, anti-semitism and all forms of prejudice that damage our society; and development of creative programs and activities regarding these crucial human issues. A non-profit, volunteer organization founded in 1979, it is the first Holocaust Studies Center in the state of New Jersey and is recognized as a leader in the field of Holocaust education worldwide.

The Center houses an extensive library of books, periodicals and media materials on all subjects related to its mission. Its Teacher Resource Center contains a collection of curricula, lesson plans, study guides and the opportunity to work with Center professionals to design individualized programs and in-service training. Its Speakers Bureau has scholars, educators and Holocaust Survivors available for programs. Each year the Center provides thousands of students and teachers with services such as: a student leadership conference, theatrical performances, teacher training programs, a writing and art Contest and a Colloquium. Among its community programs and services are: annual scholarly lectures, film series, book discussions, Armenian Genocide Remembrance program, collaborative programs with the Monmouth County Prosecutor's Office and the United States Holocaust Memorial Museum in the training of Law Enforcement Officers, and a court-mandated 12-week education program for Monmouth County Juvenile Bias Crime offenders. The Center's school services, as well as most of its community programs, are provided free of charge.

Program Title: Art Workshop in Holocaust Studies

| | |
|-------------------------|---|
| Description: | As preparation for our Annual Luna Kaufman Writing and Art Contest, this workshop addresses specific issues and techniques in creating art about the Holocaust and other genocides. |
| Disciplines: | Professional Development, Fine Arts |
| NJ Standards: | n/a |
| Grade Levels: | 6, 7, 8, 9, 10, 11, 12, Teachers |
| Fee: | \$0.00 |
| Availability: | By Individual Request |
| Connection Type: | IP |

Program Title: Holocaust or Genocide Study Workshop

Description: Holocaust/Genocide educator will present a workshop on a specific topic related to Holocaust or genocide studies. Some suggested topics: Holocaust resistance, History of the Holocaust, Armenian Genocide, Darfur, Rescue, Rwanda, Bosnia.

Disciplines: Social Studies, Character Ed, Special Needs, Professional Development, Language Arts

NJ Standards: 3.2, 6.2, 6.3, 6.6

Grade Levels: 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$0.00

Availability: By Individual Request

Connection Type: IP

Program Title: Prejudice Reduction Workshop

Description: Workshop on issues to reduce prejudice in the school environment or community.

Disciplines: Social Studies, Character Ed, Special Needs, Professional Development, Language Arts

NJ Standards: 6.2, 6.3, 6.6

Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$0.00

Availability: By Individual Request

Connection Type: IP

Program Title: Survivor Interview

Description: The opportunity for students and teachers to meet a Holocaust Survivor, hear them share their Holocaust experience, and have a question and answer session.

Disciplines: Social Studies, Character Ed, Special Needs, Language Arts

NJ Standards: 3.2, 6.2, 6.3, 6.6

Grade Levels: 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$0.00

Availability: By Individual Request

Connection Type: IP

Program Title: Writing Workshop in Holocaust Studies

Description: As preparation for our Annual Luna Kaufman Writing and Art Contest or just to learn to write about Holocaust and genocide studies, a workshop to address specific issues and techniques in writing about the Holocaust and other genocides.

Disciplines: Language Arts

NJ Standards: 3.3, 6.2, 6.3, 6.6

Grade Levels: 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$0.00

Availability: By Individual Request

**Connection
Type:** IP

Institute of Jazz Studies at Rutgers University

John Cotton Dana Library

185 University Ave.

Newark, NJ 07102

Ryan Maloney

Phone: 973-353-5595 Fax: 973-353-5944

Email: maloneyryan@hotmail.com Web: <http://www.jazzhousekids.org/home.php>

A Jazz House is the creative space where we come together with young people, their families and teachers to share, appreciate and learn about the jazz experience. It's a mobile house, constantly in play, with wheels that turn on improvisation as it negotiates its way toward that incandescent goal: the celebration of jazz. During this introductory distance learning period, programs will be delivered at no charge.

Program Title: Building a Jazz House

Description: Grab your tool belt because it takes everyone to build this house! This first session lays the foundation for hearing and recognizing jazz music. Students construct a virtual Jazz House using their voice as a tool and explore the basic function and unique roles of each instrument. Students learn the importance of a strong skill set for individual development and the satisfaction derived from group collaboration. A lively, specially arranged musical repertoire ensures that students exploration into jazz is memorable!

Disciplines: Performing Arts, Fine Arts, Cross-Curricular

NJ Standards: 1.3, 1.1, 1.2, 5.6, 6.3

Grade Levels: 2, 3, 4, 5, 6, 7, 8

Fee: \$0.00

Availability: By Individual Request

Connection Type: IP

Program Title: Everyone is a Singer at the Jazz House

Description: Students have an opportunity to hear classic recordings of master jazz vocalists and critique the performances. Students learn a classic jazz standard from the American Song book and try the first lesson of jazz...the lesson of imitation. Students are taught to distinguish different performances in terms of tone quality, styling, interpretation, harmony and rhythmic changes, as well as, scat and overall improvisational techniques employed by influential artists.

Disciplines: Performing Arts, Fine Arts

NJ Standards: 1.3, 1.1, 1.2, 5.6, 6.3

Grade Levels: 5, 6, 7, 8

Fee:

Availability: By Individual Request

Connection Type: IP

Program Title: Singing the Blues

Description: What are the blues? Why do we get them? Better yet, learn how to get rid of them! This workshop introduces the universally recognized world of the Blues which is the foundation of virtually every form of contemporary American music. The historical, cultural and social legacies of this musical journey unfold as students examine the basic chord structure, rhythm and emotional storytelling inherent in this music. Their creative spirit comes alive when they create and perform their own Blues story.

Disciplines: Social Studies, Performing Arts, Fine Arts, Cross-Curricular

NJ Standards: 1.3, 1.1, 1.2, 5.6, 6.3

Grade Levels: 2, 3, 4, 5, 6, 7, 8

Fee: \$0.00

Availability: By Individual Request

Connection Type: IP

Program Title: Welcoming the Jazz Audience

Description: Historically, the audience has played a significant role in the development of the jazz art form. In this interactive listening session, students learn that as the new audience of jazz, their opinion counts. By comparing and contrasting different jazz styles, students learn to appreciate the broad spectrum of artists that contribute to the body of jazz. The art of improvisation has always been enhanced by an enthusiastic dialog with an audience.

Disciplines: Performing Arts, Fine Arts, Social Studies

NJ Standards: 1.3, 1.1, 1.2, 5.6, 6.3

Grade Levels: 5, 6, 7, 8

Fee: \$0.00

Availability: By Individual Request

**Connection
Type:** IP

Liberty Science Center

Liberty State Park
222 Jersey City Blvd.
Jersey City, NJ 07305
Nina Colon
Phone: 201-253-1382 Fax: 201-866-8024
Email: eft@lsc.org Web: <http://www.lsc.org/>

Liberty Science Center is an innovative learning resource for lifelong exploration of nature, humanity and technology, strengthening communities and inspiring global stewardship. Let Liberty Science Center's dynamic instructors become your partners in an exploration of exciting science concepts--from the convenience of your own facility. Electronic Field Trips (EFTs) are interactive lessons delivered directly to your students at school via videoconferencing. They are broadcast live from our exhibition floors or our new laboratory setting in the Jennifer A. Chalsty Center for Science Learning and Teaching.

Our Science Educators will help your students explore a range of dynamic cross-curricular themes. EFTs come with classroom curriculum aligned with the National Science Education Standards, New Jersey Core Curriculum Science Content Standards and New York Learning Standards for Math, Science and Technology. Professional development on the use of videoconferencing technology or introduction to EFTs is available for teachers and administrators.

Program Title: All Revved Up: Race Car Science

Description: There is an old racing proverb that says "To finish first, you must first finish." Learn how the laws of physics influence race car design and track design to keep race car drivers safe.

Disciplines: Science

NJ Standards: 5.1, 5.4, 5.7

Grade Levels: 4, 5, 6, 7

Fee: \$190.00

Availability:

Connection Type: IP
ISDN
Desktop VC

Program Title: Aquatic Ecosystems-Estuary

Description: Dive into an exploration of the Hudson River Estuary! Observe a variety of organisms found in the most productive ecosystem on our planet.

Disciplines: Science

NJ Standards: 5.1, 5.5, 5.10

Grade Levels: 3, 4, 5, 6, 7, 8, 12

Fee: \$190.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN

Program Title: Bug Bonanza! Insects

Description: Have you ever wondered what the world would look like through insect eyes? Get up close and personal with some of six-legged friends.

Disciplines: Science

NJ Standards: 5.1,.5.5,.5,10

Grade Levels: 3, 4, 5, 6, 12

Fee: \$190.00

Availability: By Individual Request

**Connection
Type:** IP and ISDN
IP
ISDN

Program Title: Do You Hear That? The Science of Sound

Description: Crash! Bang! Boom! What's making all that noise? Join Liberty Science Center educators in the Communication gallery and explore the physics of sound. Learn about sound waves, digital music, and how the human ear hears and interprets all that noise.

Disciplines: Science

NJ Standards: 5.1, 5.7

Grade Levels: 4, 5, 6, 7, 8

Fee: \$190.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN
Desktop VC

Program Title: Don't Bug Me! The Asian Longhorn Beetle

Description: Join the movement to help uncover the whereabouts the Asian Longhorn Beetle. Learn how this invasive species could affect the health of your neighborhood.

Disciplines: Science

NJ Standards: 5.1, 5.4, 5.5, 5.10

Grade Levels: 4, 5, 6, 7, 8, 9, 10

Fee: \$190.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN
Desktop VC

Program Title: Fierce Nature: Dynamic Earth

Description: Are you prepared for a natural disaster? Learn about the most powerful forces on the face of the earth, such as tsunamis, volcanoes and earthquakes.

Disciplines: Science

NJ Standards: 5.1, 5.8, 5.10

Grade Levels: 4, 5, 6, 7, 8

Fee: \$190.00

Availability:

**Connection
Type:** IP
ISDN
Desktop VC

Program Title: Forensics Science

Description: Jack the Ripper committed heinous crimes. Could he have been stopped using modern day forensics techniques? Apply forensics science to uncover, identify and individualize potential evidence. Explore the diverse career paths under the forensics science umbrella.

Disciplines: Science, Career Ed

NJ Standards: 5.1, 5.2, 5.5

Grade Levels: 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$190.00

Availability:

**Connection
Type:** IP
ISDN
Desktop VC

Program Title: From Here to There--Infection

Description: All aboard! Unfortunately even infectious diseases heed that call. As world travel increases, so does the risk of transmitting infections such as Lyme disease, West Nile Virus, and tuberculosis. Discover the many ways these microbes spread and how scientists fight them with our science educators in the Infection Connection gallery.

Disciplines: Science

NJ Standards: 2.1, 5.1, 5.2, 5.10

Grade Levels: 6, 7, 8, 9, 10, 11, 12

Fee: \$190.00

Availability: By Individual Request

Connection Type: IP
ISDN
Desktop VC

Program Title: Geometry in Nature

Description: Did you know that math can be found in a seashell, a honeycomb and a leaf? Investigate the patterns and shapes that can be observed in nature and discover the mathematical principles behind these phenomena.

Disciplines: Science, Math, Cross-Curricular

NJ Standards: 5.1, 5.3, 5.5, 5.10

Grade Levels: 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$190.00

Availability: By Individual Request

Connection Type: IP and ISDN
IP
ISDN

Program Title: Green Power-Alternative Forms of Energy

Description: Did you know that the sun, wind and water are valuable sources of energy? As non-renewable sources of energy dwindle, renewable sources must be developed. Explore and experiment with a variety of Earth's renewable energy sources.

Disciplines: Science

NJ Standards: 5.1, 5.6, 5.7, 5.10

Grade Levels: 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$190.00

Availability: By Individual Request

**Connection
Type:** IP and ISDN
IP
ISDN

Program Title: History of Invention: Invention of Writing

Description: Grab a pad and pen and take a journey back in time to trace the origins of writing as a form of communication. Explore the contributions of ancient civilizations, decipher hidden messages and discover new written languages humans have created.

Disciplines: Science, Cross-Curricular

NJ Standards: 5.1, 5.2, 5.4

Grade Levels: 4, 5, 6, 7, 8

Fee: \$190.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN
Desktop VC

Program Title: It's Easy Being Green--Green Building

Description: There is more to green building than just green paint! Liberty Science Center's Skyscraper! Achievement and Impact gallery examines design and engineering techniques that are used to make buildings more environmentally friendly. It's easy--and important for the health of the planet!

Disciplines: Science

NJ Standards: 5.1, 5.4, 5.10

Grade Levels: 6, 7, 8, 9, 10, 11, 12

Fee: \$190.00

Availability: By Individual Request

Connection

Type: IP
ISDN
Desktop VC

Program Title: It's Raining Cats and Dogs! Weather

Description: How's the weather where you are? Become a junior meteorologist as you explore the wonders of weather. Examine the water cycle up close and personal, forecast the weather using the clouds, and discover why we get rain one day, and snow the next.

Disciplines: Science

NJ Standards: 5.1, 5.8

Grade Levels: 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$190.00

Availability: By Individual Request

Connection

Type: IP and ISDN
IP
ISDN

Program Title: Leaping Lizards!- Reptiles

Description: Slither, crawl or leap into the exciting exploration of reptiles! Learn about their fascinating adaptations, behaviors and habitats.

Disciplines: Science

NJ Standards: 5.1, 5.5

Grade Levels: 3, 4, 5, 6, 7, 8, 12

Fee: \$190.00

Availability: By Individual Request

**Connection
Type:** IP and ISDN
IP
ISDN

Program Title: Movers and Shapers-Erosion

Description: The Earth is constantly changing. Some changes occur quickly while others occur over long periods of time. Explore how forces like wind erosion and water erosion affect our planet.

Disciplines: Science

NJ Standards: 5.1, 5.6, 5.8

Grade Levels: 3, 4, 5, 6, 7, 8, 12

Fee: \$190.00

Availability: By Individual Request

**Connection
Type:** IP and ISDN
IP
ISDN

Program Title: Networking in Nature: Biodiversity and Food Webs

Description: How can we tell if an ecosystem is healthy? What affect will plant or animal extinction have on the system? Learn the basics of ecology by examining biodiversity and tracing energy as it travels through food chains. You may be surprised as you learn the ways the health of an ecosystem can affect us all.

Disciplines: Science

NJ Standards: 5.1, 5.5, 5.10

Grade Levels: 4, 5, 6, 7, 8, 9, 10

Fee: \$190.00

Availability: By Individual Request

Connection Type: IP
ISDN
Desktop VC

Program Title: No Bones About It!-The Skeletal System

Description: What would your body look like without any bones? Ever wonder who has more bones- young children or adults? Learn how your bones provide support, protection and allow movement for your body at work and at play!

Disciplines: Science

NJ Standards: 5.1, 5.4, 5.5

Grade Levels: 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$190.00

Availability: By Individual Request

Connection Type: IP and ISDN
IP
ISDN

Program Title: pH Factor: Acids and Bases

Description: Acids and bases are thought to be dangerous substances, as many of them are. But, if you like fruit juice and use soap, you drink acids and wash with bases all the time. Learn about the chemical nature of these important compounds with our pHenomenal science educators in the Pi Lab.

Disciplines: Science

NJ Standards: 5.1, 5.6

Grade Levels: 4, 5, 6, 7, 8

Fee: \$190.00

Availability: By Individual Request

**Connection
Type:**

IP
ISDN
Desktop VC

Program Title: Shocking Static Electricity

Description: Get ready for a hair-raising experience! Learn about electrical currents, atoms and charges while exploring the positives and negatives of static electricity.

Disciplines: Science

NJ Standards: 5.1, 5.4, 5.7

Grade Levels: 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$190.00

Availability: By Individual Request

**Connection
Type:**

IP and ISDN
IP
ISDN

Program Title: Simple Machines Make Work Simple!

Description: How is it that levers, pulleys and screws seem to lighten the load? Learn how simple machines work and how they are combined in complex machinery.

Disciplines: Science

NJ Standards: 5.1, 5.3, 5.4, 5.7

Grade Levels: 3, 4, 5, 6, 7, 8

Fee: \$190.00

Availability: By Individual Request

**Connection
Type:** IP and ISDN
IP
ISDN

Program Title: What's In that? Mixtures and Solutions

Description: We all know that oil and water don't mix, but we encounter other mixtures every day. The milk and cereal you ate for breakfast and the ground we walk on are both mixtures. Explore with Science Center educators in the Pi Lab to learn about the properties of mixtures, how to separate the components of mixtures, and how mixtures and solutions differ.

Disciplines: Science

NJ Standards: 5.1, 5.3, 5.6

Grade Levels: 4, 5, 6, 7, 8

Fee: \$190.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN
Desktop VC

Manhattan School of Music

120 Claremont Avenue

New York, NY 10027

Juliana Han

Phone: 917-493-4488 Fax: 212-749-0562

Email: jhan@msmny.edu Web: <http://http://www.msmny.edu/special/distancelearning/k12comm/>

Manhattan School of Music is one of the premier private music conservatories in the nation, with nearly 275 faculty members dedicated to shaping over 800 students from 40 countries into world-class musicians.

In 1996, under the pioneering influence of Maestro Pinchas Zukerman and President Marta Istomin, Manhattan School of Music instituted a groundbreaking distance learning program--the first of its kind at a major conservatory--devoted to exploring the use of state-of-the-art videoconference technology for music education and performance. Through the development and creative use of broadband videoconferencing and related instructional technologies, Manhattan School of Music Distance Learning provides access to artistic and academic resources that enhance students' education in musical performance while heightening the global community's awareness of and participation in the musical arts.

Program Title: A Personal Introduction to Opera (available Spring 2009)

Description: Why would someone decide to become an opera singer? A Manhattan School of Music student singer will present his/her autobiography. Through music, the singer will describe the personal story of how and why he/she decided to become an opera singer. The presentation will include performance of a variety of vocal genres and an introduction to the basic elements and vocabulary of folksongs, musical theater and opera. Students will also begin to explore the physical act of singing. This program is part of MOVE.

Disciplines: Performing Arts, Fine Arts, Career Ed

NJ Standards: 1.2, 1.2, 1.3, 1.4, 1.5, 9.1

Grade Levels: 5, 6, 7, 8

Fee: \$250.00

Availability: By Individual Request

Connection Type: IP
ISDN

Program Title: An Introduction to Jazz: Get into the Groove (available Spring 2009)

Description: A small jazz ensemble comprised of Manhattan School of Music student teaching artists will introduce students to the genre of jazz. Why is New Orleans considered to be the birthplace of jazz music? Through an exploration of the various historical, cultural and social influences that shaped America during the last century, students will be introduced to the development of various styles of jazz, such as Dixieland, swing, and bebop. The presentation will include discussions of the terms swing, improvisation, and groove and an exploration of various jazz instrumentations. This program is part of MOVE.

Disciplines: Social Studies, Performing Arts, Fine Arts

NJ Standards: 1.2, 1.2, 1.3, 1.4, 1.5, 6.1

Grade Levels: 4, 5, 6, 7, 8

Fee: \$250.00

Availability: By Individual Request

Connection Type: IP
ISDN

Program Title: Classical Meets Pop: How the Two Fall in Love

Description: A 2-session exploration into what defines music to be classical or to be pop. With live and recorded examples, we compare the two styles, discuss historical contexts, and discover how the two are one of the same language. Activities include analyzing texts from both styles and discussing how the music speaks for itself. Using the music of Hip-Hop and Rock, we expand on the students' ability to relate to the music of Mozart, Schubert and others. This program is part of Virtual Music Studio.

Disciplines:

NJ Standards: 1.2, 1.2, 1.3, 1.4, 1.5

Grade Levels: 8, 9, 10, 11, 12

Fee: \$250.00

Availability: By Individual Request

Connection Type: IP
ISDN

Program Title: Classical Music NOW

Description: In two sessions, we debunk the popular myth that classical music is “old and boring.” Exploring music written since 1950 through the present, we discover the fresh, exciting, and outrageous sounds of what classical music really is. By introducing students to today’s music, rather than the classics of 200 years ago, we swing open a backdoor of interest that can lead to a greater respect and understanding of the classical Greats. Composers discussed range from experimenters John Cage and Karl Stockhausen to pop artists Bjork and Radiohead. This program is part of Virtual Music Studio.

Disciplines: Performing Arts, Fine Arts

NJ Standards: 1.2, 1.2, 1.3, 1.4, 1.5

Grade Levels: 8, 9, 10, 11, 12

Fee: \$250.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN

Program Title: Group Instrumental Lessons

Description: Select students at partner schools are eligible for applied instructional group lessons with a professional teaching artist. Group lessons are available in forty-five minute sessions, with a limit of 5 students per group. Partner schools may select either a classical or jazz emphasis. Brass, wind, string, piano and percussion group lessons are available, as well as jazz music and improvisation lessons. Instruction will cover areas from technique and analysis to musical and stylistic interpretation. This program is part of Virtual Music Studio. Price is based on 5 class sessions.

Disciplines: Performing Arts, Fine Arts

NJ Standards: 1.1, 1.2, 1.3, 1.4

Grade Levels: 7, 8, 9, 10, 11, 12

Fee: \$300.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN

Program Title: Instrumental Ensemble Sectional Coaching

Description: A notable Manhattan School of Music faculty member will work with a group of instrumentalists to cover areas such as technique, phrasing, and other topics as requested. Classroom teachers are encouraged to forward music they would like to be reviewed during the videoconference session. Past instructors have included faculty members David Geber, Chair of the Cello Department, Mark Gould, Chair of the Brass Department, and the American String Quartet, Ensemble-in-Residence. This is part of Music Bridges. Priced per session.

Disciplines: Performing Arts

NJ Standards: 1.1, 1.2, 1.3, 1.4

Grade Levels: 6, 7, 8, 9, 10, 11, 12

Fee: \$250.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN

Program Title: Jazz Ensemble Sectional Coaching

Description: Student instrumentalists and/or vocalists will have the opportunity to work with a distinguished Manhattan School of Music faculty member on subjects ranging from improvisation, rehearsal techniques, and other areas as requested. Classroom teachers are encouraged to forward music they would like to be reviewed during the videoconference. Past instructors have included faculty members Justin DiCioccio, percussion, Peter Eldridge, voice and Dick Oatts, saxophone. This program is part of Music Bridges.

Disciplines: Performing Arts, Fine Arts

NJ Standards: 1.1, 1.2, 1.3, 1.4

Grade Levels: 6, 7, 8, 9, 10, 11, 12

Fee: \$250.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN

Program Title: Jazz Related Topics

Description: Choose from a variety of programs including “Who is Duke Ellington”; “How to Swing”; “Jazz Improv”; “The Development of Jazz” and “Big Band Rehearsal Techniques,” a professional development program for jazz ensemble directors. Led by a distinguished Manhattan School of Music faculty member, you and your students will delve deeply into the history, theory, and evolution of jazz, depending upon the focus selected. This program is part of Music Bridges.

Disciplines: Performing Arts, Fine Arts

NJ Standards: 1.2, 1.2, 1.3, 1.4, 1.5

Grade Levels: 4, 5, 6, 7, 8

Fee: \$250.00

Availability: By Individual Request

Connection Type: IP
ISDN

Program Title: Journey through Jazz, Level II

Description: A jazz trio comprised of Brenda Earle, piano, Josh Paris, double bass, and Mark Micklethwaite, drums continues the virtual field trip begun in Journey through Jazz, Level I with an exploration of jazz as a form of personal expression. Jump on board for this new and exciting journey as the artists teach students to tune up their ears and listen closely to how the songs they’re playing set different moods, show emotions, reflect the roots of the composer, and even help express what went on in history during the times in which the pieces were written. The program concludes with the musicians improvising a tune with help from the students. This is truly fun and interactive way to take things to the next level and learn even more about jazz! This program is part of Virtual Music Studio

Disciplines: Social Studies, Performing Arts, Fine Arts

NJ Standards: 1.2, 1.2, 1.3, 1.4, 1.5, 6.1

Grade Levels: 4, 5, 6, 7, 8

Fee: \$275.00

Availability: By Individual Request

Connection Type: IP
ISDN

Program Title: Music and Literature: How the Two Arts Meet

Description: This program is an exploration into the connection between the descriptive power of words and music. Students are given the text in advance with some preliminary questions and with guided help during the lecture discover how music can convey deep meaning without the need of words. Recent cultural phenomenon like Harry Potter are mentioned so students can relate to the composers of the past, and their need for interpretation of well known literature through music. This program is part of Virtual Music Studio.

Disciplines: Performing Arts, Language Arts, Fine Arts

NJ Standards: 1.2, 1.2, 1.3, 1.4, 1.5, 3.4, 3.5

Grade Levels: 7, 8

Fee: \$250.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN

Program Title: Music From Around the World (available Spring 2009)

Description: A Manhattan School of Music woodwind ensemble consisting of oboes and bassoons will present a globetrotting selection of repertoire that showcases music from around the world. The interactive performance and discussion will try to answer the thought-provoking question "What is Music?" by demonstrating how different countries consider different sounds to be musical. Highlights include music from Germany, Argentina, Australia, Iran, and many other countries! This program is part of MOVE.

Disciplines: Social Studies, Performing Arts, Fine Arts

NJ Standards: 1.1, 1.2, 1.3, 1.4, 1.5, 6.1

Grade Levels: 3, 4, 5, 6

Fee: \$250.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN

Program Title: Story of a Composer: George Gershwin

Description: The 1920s saw a young nation, now free from war, able to develop its own rich culture. Major cities became centers for innovation in music, shunning European classicism for a freedom that was strictly American. It was out of this ideal from which the most well-known of American composers, George Gershwin, emerged. In this program, students will make guided comparisons between the Classical and Jazz idioms and apply these differences to the music of Gershwin within both an historical and social context, gaining exposure to many important works such as Porgy and Bess and Rhapsody in Blue. This program is part of Virtual Music Studio.

Disciplines: Performing Arts, Fine Arts

NJ Standards: 1.2, 1.2, 1.3, 1.4, 1.5

Grade Levels: 7, 8, 9, 10, 11, 12

Fee: \$250.00

Availability: By Individual Request

Connection Type: IP
ISDN

Program Title: Vocal/Choral Ensemble Coaching

Description: Based upon repertoire selected by the classroom teacher, acclaimed countertenor, choral director, and voice coach Robert Isaacs will work with a select group of vocalists to improve musicality, breathing, style considerations, and other technical matters as requested. This program is part of Music Bridges.

Disciplines: Performing Arts, Fine Arts

NJ Standards: 1.1, 1.2, 1.3, 1.4

Grade Levels: 6, 7, 8, 9, 10, 11, 12

Fee: \$250.00

Availability: By Individual Request

Connection Type: IP
ISDN

Mid-Atlantic Center for the Arts

P.O. Box 340
1048 Washington Street
Cape May, NJ 08204
Robert E. Heinly
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MAC's school programs, either in person or by distance learning, are presented by its corps of Museum Educators. Museum Educators are experienced interpreters who have been specially trained to work with students. Many are also Living History Interpreters who perform in character, as costumed Victorian personages. MAC's programs help students meet many of New Jersey's Core Curriculum Standards, particularly in the areas of Social Studies, Language Arts and Visual and Performing Arts. A detailed correlation of each program with these standards is available.

Program Title: A Visit with Dr. Emlen Physick

- Description:** Give your students a "kids' eye" view of the Victorian era during an interactive tour of the Emlen Physick Estate, Cape May's only Victorian house museum. Built in 1879, this Stick Style mansion is attributed to renowned Victorian architect Frank Furness, and is furnished to reflect daily life in a turn-of-the century household. Your students can explore both the world of luxury and leisure and the working world of servants who made it all possible. Changing seasonal exhibits in the period rooms provide your students with a glimpse of the daily life experienced by Victorian Americans. Each tour takes approximately 30-45 minutes, depending on the students' attention span. Teacher resource kits with classroom activities are available.
- Disciplines:** Social Studies, Professional Development, Language Arts, Performing Arts, Cross-curricular
- NJ Standards:** 6.1, 6.2, 6.4, 6.6, 3.1, 3.2, 3.3, 3.4, 3.5
- Grade Levels:** K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers
- Fee:** \$50.00 - \$150.00
- Availability:** By Individual Request
- Connection Type:** ISDN

Program Title: A Visit with John Philip Sousa

Description: A costumed interpreter and expert musician visits your class or band in the role of John Philip Sousa, the Victorian March King. Sousa tells of his life and music and places an equal emphasis on the value of being a musician. The March King honeymooned in Cape May and his bands played here several times. He plays an authentic Victorian Helicon, the ancestor of the Sousaphone and tuba. Interaction is encouraged!

Disciplines: Social Studies, Professional Development, Language Arts, Performing Arts, Cross-curricular

NJ Standards: 6.1, 6.2, 6.3, 6.4, 6.6 3.1-3.5, 1.1, 1.4

Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$50.00 - \$150.00

Availability: By Individual Request

Connection Type: ISDN

Program Title: Analyzing Victorian Architecture

Description: Using a slide show of Cape May landmarks, supplemented by written materials, students are taught to identify over a half dozen major Victorian architectural styles. Emphasis is placed on how Victorian architecture was reflective of Victorian lifestyle and philosophy. It is ideally paired with our Victorian Homes and Interiors Program and/or Architectural Walking Tour.

Disciplines: Social Studies, Professional Development, Language Arts, Fine Arts, Cross-curricular

NJ Standards: 1.1, 1.4, 1.5, 1.6, 3.1-3.5, 6.2, 6.4, 6.6, 6.9

Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$50.00 - \$150.00

Availability: By Individual Request

Connection Type: ISDN

Program Title: How the Other Half Lived

Description: This illustrated program focuses on the struggle of farmers, industrial workers, urban dwellers, immigrants, and women to achieve the American Dream in Victorian society. Learn how Victorian Social Darwinist theory was eventually modified by Progressivism. Topics include the rise of labor unions, Populism, Socialism, the Chautauqua movement, the Granger Movement, the Women's Rights Movement and other reform efforts.

Disciplines: Social Studies, Professional Development, Language Arts, Cross-curricular

NJ Standards: 6.2, 6.4, 6.5, 6.6, 3.1, 3.2, 3.3, 3.4, 3.5

Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$50.00 - \$150.00

Availability: By Individual Request

Connection Type: ISDN

Program Title: Introduction to Victorian Life

Description: Using photos, illustrations and Victorian artifacts, a costumed Museum Educator introduces the Victorian lifestyle to your students. The emphasis is on the then vs. now comparison of clothing, tools, gadgets, games, and household items. A brief introduction to the Victorian Era and MAC's Victorian House Museum, the Emlen Physick Estate, is included. Interaction is encouraged.

Disciplines: Social Studies, Cross-curricular

NJ Standards: 6.2, 6.4, 6.6, 6.8, 3.1-3.5, 1.1, 1.4, 1.5

Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$50.00 - \$150.00

Availability: By Individual Request

Connection Type: ISDN

Program Title: School Days in the Victorian Era

Description: What was school like in the Victorian Era? Did country schools differ from city schools? What subjects did children study? This program looks at these questions and compares and contrasts education in the Victorian Era with education today.

Disciplines: Social Studies, Professional Development, Language Arts, Cross-curricular

NJ Standards:

Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$50.00 - \$150.00

Availability: By Individual Request

**Connection
Type:** ISDN

Program Title: The Beacon

Description: The Beacon is MAC's Lighthouse educational outreach program. You can have a MAC museum educator visit your classroom for a half-hour presentation on the lighthouse's history and restoration. A teacher's resource kit of background information and lesson plans is available by itself or in combination with a classroom presentation.

Disciplines: Social Studies, Language Arts, Professional Development, Cross-curricular

NJ Standards: 6.2, 6.4, 6.6, 6.7, 6.8, 6.9, 3.1-3.5, 1.5

Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$50.00 - \$150.00

Availability: By Individual Request

**Connection
Type:** ISDN

Program Title: The Temperance Tempest

Description: During the late Victorian Period, the issues of temperance and prohibition were “hot topics” in Cape May as well as the rest of the country. This living history program presents a debate between a local saloonkeeper and a representative of the Women’s Christian Temperance Union that is moderated by Dr. Physick. At the conclusion, your class may question the participants before having to vote for one position or the other.

Disciplines: Social Studies, Professional Development, Language Arts, Cross-curricular

NJ Standards: 6.1, 6.4, 6.6, 3.1-3.5, 1.1

Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$50.00 - \$150.00

Availability: By Individual Request

Connection Type: ISDN

Program Title: The Wildwoods and the Doo Wop Era

Description: Wildwood is undergoing a renaissance based on its heydays in the 1950s and ‘60’s as a Mecca for the architecture and music of the Doo Wop era. This presentation focuses on that post-WWII era and the Wildwoods’ role in it. Topics include world and national events, including the cold war and space race, a special focus on the unique architecture of the era centered on motels and clubs, the automobile culture, rock and roll music, and the impact of television. This program is ideally paired with our Doo Wop Trolley Tour.

Disciplines: Social Studies, Professional Development, Language Arts, Fine Arts, Performing Arts, Cross-curricular

NJ Standards: 6.2, 6.4, 6.5, 6.6, 6.7, 6.8, 6.9, 3.1-3.5,1.4,1.6

Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$50.00 - \$150.00

Availability: By Individual Request

Connection Type: ISDN

Program Title: Victorian Christmas

Description: Much of what we moderns associate with the secular celebration of Christmas comes from the Victorian Era, including Christmas trees, Christmas cards, our image of Santa Claus, and many other features. Your students learn how Prince Albert brought these traditions to England from Germany when he married Queen Victoria, and how they then spread to America. They also learn of Victorian Christmas literature, such as Dickens' *Christmas Carol*, *The Night Before Christmas*, and *Yes, Virginia, There is a Santa Claus*, plus many Christmas Carols. A tour of the Emlen Physick Estate, to study its Victorian Christmas decorations, can also be added.

Disciplines: Social Studies, Professional Development, Language Arts, Cross-curricular

NJ Standards: 6.2, 6.4, 6.5, 6.6

Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$50.00 - \$150.00

Availability: By Individual Request

Connection Type: ISDN

Program Title: Victorian Etiquette and Manners

Description: Using Victorian artifacts and a place setting for a full-course Victorian meal, a costumed Museum Educator review the "hows" and "whys" of Victorian manners and etiquette and how these were reflective of the Victorian Era in general. Also included is a brief introduction to the Victorian Era and to the Emlen Physick Estate, MAC's Victorian House Museum. Interaction is encouraged!

Disciplines: Social Studies, Professional Development, Language Arts, Cross-curricular

NJ Standards: 6.2, 6.4, 3.1-3.5, 1.5

Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$50.00 - \$150.00

Availability: By Individual Request

Connection Type: ISDN

Program Title: Victorian Women I: Life in a Cocoon

Description: Victorian women of the upper classes were idealized as wives and mothers, but often sheltered from the real world in the cocoon of their homes by Victorian men. Learn the reasons for this and its advantages and disadvantages. The clothing of the Victorian women reflected this role and was a cocoon in itself. Learn how Victorian women's clothing evolved to fit their lifestyle. This program is richly illustrated.

Disciplines: Professional Development, Language Arts, Social Studies, Cross-curricular

NJ Standards: 6.2, 6.4, 3.1-3.5, 1.5

Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$50.00 - \$150.00

Availability: By Individual Request

Connection Type: ISDN

Program Title: Victorian Women II: Shedding the Cocoon

Description: As the Victorian era progressed, more and more women began to shed their cocoons, replacing them with full participation in their society. Learn of the forces, movements and individuals involved in the metamorphic evolution of Victorian women and their lifestyles. The contributions of dozens of women will be discussed in this illustrated program.

Disciplines: Social Studies, Professional Development, Language Arts, Cross-curricular

NJ Standards: 6.2, 6.4, 3.1-3.5, 1.5

Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$50.00 - \$150.00

Availability: By Individual Request

Connection Type: ISDN

Middlesex County Cultural & Heritage Commission

703 Jersey Ave.
New Brunswick, NJ 08901
Isha Vyas
Phone: 732-745-4489 Fax: 732-745-4524
Email: isha.vyas@co.middlesex.nj.us Web: <http://co.middlesex.nj.us/culturalheritage/>

The mission of Middlesex County Cultural and Heritage Commission is to develop county wide programs and promote public interest in local and county history, in the arts, and in the cultural values, goals, traditions of the community, the State and the Nation. The Commission undertakes the restoration, operation, maintenance and preservation of real property acquired by the County. The Commission is authorized to establish museum and cultural programs, exhibits and displays including the fine and performing arts, engage in archaeological, genealogical and historic research, publish reports and engage in such related activities to promote and develop public interest and understanding of historic and cultural matters.

Program Title: A Time of Turmoil: The African American Presence in the Revolutionary War

Description: Dedicated to the untold story of African Americans in the Revolutionary War, this educational program is about the native persons who fought on the side of the American Patriots and contributed to the war effort. Based on the life of Oliver Cromwell, from Burlington, New Jersey, the program will also explore the rights of African Americans in New Jersey, African American Patriots and Loyalists and why they swore allegiance to the Patriot or Loyalist cause, enlistment of African Americans in the Colonial militias, treatment of African Americans in Colonial Army and Militia, daily life of African American soldier including food, shelter, clothing, and medical care. The program will also feature images, maps, clothing and objects that many African American soldiers would have used or wore during this time of turmoil.

Disciplines: Social Studies

NJ Standards: 6.3

Grade Levels: 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$0.00

Availability: By Individual Request

Connection Type: IP
Desktop VC

Program Title: American Indian Heritage and Cultural Traditions

Description: American Indian historian and storyteller will discuss the American Indian culture, growing up American Indian, social life, coming-of-age rituals, spirituality of the American Indian community, and its influence on other cultures and communities.

Disciplines: Social Studies, Performing Arts, Cross-Curricular

NJ Standards: 6.2, 6.3

Grade Levels: 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$0.00 - \$0.00

Availability: By Scheduled Date/Time

**Connection
Type:** Bridge
Desktop VC
IP

Program Title: Civil War Ironclads

Description: This program focuses on New Jersey's role in the Civil War and the Jersey built ironclads -a truly fascinating story that is little known to the public. The comprehensive Educational Guide for students and teachers is a compendium of interesting information, discussing the contributions of women, African Americans and New Jerseyans during the Civil War. The program explores a trunk which included a Civil War sailor's uniform, information about Lewis T. Johnson- an African American sailor aboard the USS Weehawken, and the military gear he would have packed. It also includes an accurate reproduction of an ironclad-the USS Montauk, nearly identical to the vessel on which Lewis T. Johnson served.

Disciplines: Social Studies, Cross-Curricular

NJ Standards: 6.3

Grade Levels: 6, 7, 8, 9, 10, 11, 12

Fee: \$0.00 - \$0.00

Availability: By Scheduled Date/Time

**Connection
Type:** Bridge
IP
Desktop VC

Program Title: Lenape Workshop

Description: Based on a narrative from Lone Bear Revey of the Turtle Clan. Artifacts handcrafted by Lone Bear - a Lenape Artisan - will be examined. Since the passing of Lone Bear, it is more important than ever to pass on the teachings of his people and the legends and stories he shared with us over a period of many years.

Disciplines: Social Studies, Cross-Curricular

NJ Standards: 6.2, 6.3

Grade Levels: 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee:

Availability: By Scheduled Date/Time

**Connection
Type:** IP
Desktop VC

Program Title: Time of Turmoil Workshop

Description: Through objects, maps and actual period clothing, students will be immersed in the life of Captain Nathaniel FitzRandolph, and learn about American history as seen through the eyes of this Revolutionary War soldier from Middlesex County. Students will discuss what it was like to defend this land in the name of freedom, and will recognize battles and skirmishes in their communities and the County.

Disciplines: Social Studies

NJ Standards: 6.3

Grade Levels: 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$0.00 - \$0.00

Availability: By Scheduled Date/Time

**Connection
Type:** Desktop VC
IP

Naval Air Station Wildwood Aviation Museum

500 Forrestal Road
Rio Grande, NJ 08242
Joseph Brennan
Phone: 609-886-8787 Fax: 609-886-3644
Email: aviationmuseum@comcast.net Web: <http://www.usnasw.org>

Naval Air Station Wildwood Aviation Museum is housed in historic Hangar No. 1 at the Cape May Airport, a WWII dive-bomber training center during WWII. Forty-two airmen perished while training at the site between 1943 and 1945, and the air station had a dramatic impact on the surrounding community. Many residents were employed at the site, and numerous enlisted men married local girls.

Program Title: The History of NAS Wildwood during World War II

Description: This program presents the history of NAS Wildwood, which served as a naval aviation training center during WWII. Forty-two airmen perished while training at the site between 1943 and 1945, and the air station had a dramatic impact on the surrounding community. Many residents were employed at the site and numerous enlisted men married local girls.

Disciplines: Social Studies

NJ Standards: 6.3

Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$70.00 - \$85.00

Availability: By Individual Request

Connection Type: ISDN

New Jersey Academy for Aquatic Sciences

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Camden , NJ 08103
Jack Carr
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The New Jersey Academy for Aquatic Sciences promotes the understanding, appreciation and protection of aquatic life and habitats through research, education and youth development programs.

The non-profit New Jersey Academy for Aquatic Sciences (NJAAS) is a leader in conservation-oriented research, environmental education, and community service both locally and globally.

The New Jersey Academy for Aquatic Sciences conducts programs offsite through outreach projects to schools and community-based organizations as well as onsite at Adventure Aquarium in a unique partnership to engage aquarium visitors in the wonder of the aquatic world.

Program Title: How Do They Do That?

Description: The world is full of a diversity of habitats, each requiring special adaptations for survival. From sticky tube feet of the sea star, to the terrific tail of the horseshoe crab, join us in discovering some amazing adaptations of the animal world!
(Garden State Distance Learning Consortium members please contact us for special rates)

Disciplines: Science, Language Arts

NJ Standards: 3.3, 3.4, 5.5, 5.10

Grade Levels: 3, 4, 5, 6, 7, 8

Fee: \$145.00

Availability: By Individual Request

Connection Type: IP
ISDN

Program Title: Marine Science Careers

Description: Have you ever thought about a career in marine science? Take a look at the different occupations that can be found in an aquarium, including aquarist, marine science educator, penguin keeper, marine mammal trainer, veterinary technician or SCUBA diver.

(Garden State Distance Learning Consortium members please contact us for special rates)

Disciplines: Career Ed, Language Arts

NJ Standards: 1, 2, 3, 4, 3.2, 3.3

Grade Levels: 7, 8, 9, 10, 11, 12

Fee: \$145.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN

Program Title: Sharks!

Description: Witness footage of Adventure Aquarium's 550,000 gallon Shark Realm exhibit. Take a close look at toothy shark jaws, and get all of your shark questions answered! Dive into the world of these fabulous fish and you'll soon find yourself going silly for sharks!

(Garden State Distance Learning Consortium members please contact us for special rates)

Disciplines: Science, Language Arts

NJ Standards: 3.3, 3.4, 5.5, 5.10

Grade Levels: 3, 4, 5, 6

Fee: \$145.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN

New Jersey Vietnam Veterans' Memorial & The Vietnam Era Educational Center

P.O. Box 648

Holmdel, NJ 07733

Katie Witzig

Phone: 732-335-0033 Fax: 732-335-1107

Email: kwitzig@njvvmf.org Web: <http://www.njvvmf.org>

Created by legislation in 1986, the New Jersey Vietnam Veterans' Memorial Committee was charged with determining the design and location as well as raising the funds needed to construct the New Jersey Vietnam Veterans' Memorial. The New Jersey Vietnam Veterans' Memorial is an open-air structure made up of 366 polished black granite panels - one for each day of the year. Engraved on each of these panels are the names of the 1,560 New Jerseyans killed or reported missing on that date. Hien Nguyen, who fled war-torn South Vietnam in 1975, designed the Memorial. At the center, a red oak, the official state tree, shades a grouping of three bronze statues sculpted by artist Thomas Jay Warren. The oversized statues represent the men who died, those who came home and the women who served beside them. The Memorial was dedicated on May 7, 1995.

The Vietnam Era Educational Center, dedicated in 1998, is the first educational center in the country devoted solely to gaining an understanding of the war in Southeast Asia and the political strife in America. It enables visitors to attain a greater understanding of the myriad of forces that produced the conflict abroad and the dissension at home. Located adjacent to the NJ Vietnam Veterans' Memorial, it provides both learning materials and exhibits to help visitors understand the significance of the Memorial, the reality of the conflict, and the social, political and cultural complexities of the war years. Guided tours are provided to school groups and other groups, all led by Vietnam Veteran volunteers. In addition, a full calendar of lectures, film presentations and teacher programs offers the general public an opportunity to learn more about this unique time in our nation's history.

Program Title: Lessons of the Vietnam War

Description: Studying a particular year during the Vietnam Era will be enhanced by interviewing a person who lived during that time. This person will be able to recount how he or she felt and was affected by the actions of specific events. For the distance learning activity, in partners or small groups, students will prepare a list of possible questions. Questions should be geared toward the political and cultural environment of the time. The teacher will receive a short biography on the person to be interviewed so that the questions can be tailored to the role that the interviewee played during the Vietnam Era. They may have been a military or civilian actually in Vietnam, or he or she may have lived in the United States during this time period and watched the war unfold while a family member was fighting in Vietnam. The lesson will start out with the subject talking about his or her role during the Vietnam Era and conclude with a discussion of the period of time surrounding the event being studied. During the lesson, students will have the opportunity to ask their own questions.

Disciplines: Social Studies, Cross-curricular

NJ Standards: 6.3,6.5, 6.7

Grade Levels: 6, 7, 8, 9, 10, 11, 12

Fee: \$100.00

Availability: By Individual Request

Connection Type: IP

Program Title: Social Change and Unrest in the Vietnam Era

Description: During the Vietnam era, many protests, marches, and demonstrations took place across the country. Individuals had different views on the effect that the anti-war movement had on the war. This activity helps students explore these different points of view as well as express how they would feel if put in the situation. At the beginning of the distance learning lesson, we will ask the class to answer a series of questions. We will then watch approximately 5 minutes of Voices from Vietnam which plays in the exhibit area of the Vietnam Era Educational Center. At the conclusion of the video the class will have the opportunity to discuss the anti-war movement with one or more individuals. This individual may be a veteran or other individual who lived through the Vietnam Era and either participated in or witnessed the anti-war movement.

Disciplines: Social Studies, Cross-curricular

NJ Standards: 6.3,6.5, 6.7

Grade Levels: 6, 7, 8, 9, 10, 11, 12

Fee: \$100.00

Availability: By Individual Request

**Connection
Type:** IP

Program Title: Vietnam: The People, The Country, The Culture

Description: When veterans first went to Vietnam, many did not know where Vietnam was even located and even fewer knew what to expect when they arrived. They quickly learned how to survive in this climate that was so different from their own and also learned an appreciation for the beauty of this country. This activity helps students explore the climate and country of Vietnam as well as make comparisons to the climates that they are familiar with. At the beginning of the distance-learning lesson, we will ask a few members of the class to share about their favorite season. We will then watch approximately one minute of a video from the exhibit area of the Vietnam Era Educational Center. Within the video two veterans talk about their first impressions when they arrived in Vietnam. Next, a veteran will address the students and tell them about their first impressions of Vietnam. We will pan to the large mural in the exhibit area of Vietnam. This will then be followed by a look at some photographs that veterans took when they were serving in Vietnam. Through this entire process, students will be able to ask questions of the veteran to help them gain a better understanding of the climate and countryside of Vietnam.

Disciplines: Social Studies, Cross-curricular

NJ Standards: 6.3,6.5, 6.7

Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8

Fee: \$100.00

Availability: By Individual Request

Connection Type: IP

Program Title: Women of the Vietnam Era

Description: Women's lives and experiences in war have historically been ignored or minimized in most history books. This unit is designed to highlight the roles and experiences of women in the Vietnam Era. Whether these women were serving in Vietnam or were in the United States during this time, the memories these women have are important to help the younger generation better understand this tumultuous time in our nation's history. There is much to be learned from how women both "in country" and stateside witnessed the Vietnam War. The lesson will start out with the subject talking about her role during the Vietnam Era, whether that be one of soldier, civilian, wife, sister, friend, etc. During the lesson, students will have the opportunity to interview this woman. It is through her eyes that the students will gain a better understanding of the war and how it unfolded.

Disciplines: Social Studies, Cross-curricular

NJ Standards: 6.3,6.5, 6.7

Grade Levels: 6, 7, 8, 9, 10, 11, 12

Fee: \$100.00

Availability: By Individual Request

Connection Type: IP

New York Hall of Science

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Flushing, NY 11368
Anthony Negron
Phone: 718-699-0005 597 Fax:
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The New York Hall of Science is New York's hands-on science and technology center. The Hall features more than 400 hands-on exhibits. Visit us and explore the wonder and excitement of biology, chemistry and physics.

Program Title: Chemistry Demonstration

Description: Have you ever seen a balloon smashed into tiny pieces by a rock or someone making ice in less than thirty seconds? It sounds impossible but these are just a few examples of activities that will be seen live during the Chemistry demonstration. Students will learn about the different phases of matter as well as the relationship between temperature and the interaction of molecules.

Disciplines: Science

NJ Standards: 5.1, 5.6

Grade Levels: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$75.00

Availability:

Connection Type: IP
ISDN
Desktop VC

Program Title: Laser Demonstration

Description: Did you know that playing your favorite video game on most game consoles requires the use of a laser? Watching your favorite DVD also involves the use of a laser but what exactly is it? Students will learn about lasers and different uses of lasers in society. With the aid of several activities they will also learn about light and its properties.

Disciplines: Science

NJ Standards: 5.1, 5.6

Grade Levels: 4, 5, 6, 7, 8, 9

Fee: \$75.00

Availability: By Individual Request

Connection Type: IP
ISDN
Desktop VC

Program Title: Mathematica: Beyond Numbers (Virtual Visit Unit)

Description: Gaze upon anything and you are looking at some form of mathematical principle. Math is everywhere; patterns and relationships exist all around us, all the time. Gain an understanding about Math that is not just numbers and equations. Explore the concepts of how math applied in Science and our everyday lives.

Disciplines: Math, Science

NJ Standards: 4.1, 4.3, 4.5, 4.8

Grade Levels: 6, 7, 8, 9, 10, 11, 12

Fee: \$200.00

Availability: By Individual Request

Connection

Type: IP
ISDN
Desktop VC

Program Title: Playground Science

Description: Investigate the world of simple machines in our outdoor playground. See how certain simple machines come together to make some of your favorite playground exhibits such as the Archimedes Screw, Giant Lever and Giant Seesaw.

Disciplines: Science

NJ Standards: 5.1, 5.2, 5.6, 2.1, 2.2, 6.6

Grade Levels: 3, 4, 5, 6

Fee: \$200.00

Availability: By Individual Request

Connection

Type: IP
ISDN
Desktop VC

Program Title: Search for Life Beyond Earth

Description: What do under water volcanic vents, ultra-dry deserts, bitter-cold valleys, and caves dripping with sulfuric acid have in common? LIFE! Come explore Earth's most extreme environments and the possibility of life on other planets!

Disciplines: Science

NJ Standards: 5.1, 5.2, 5.5, 5.7, 5.8, 5.9, 5.10, 6.6

Grade Levels: 5, 6, 7, 8

Fee:

Availability: By Individual Request

**Connection
Type:** IP
ISDN
Desktop VC

Program Title: Sports Challenge (In the Physical World) (Virtual Visit Unit)

Description: Why do balls bounce? How does a surfer stay on the board? Explore the science of sports through classroom activities and demonstrations of our visits.

Disciplines: Science

NJ Standards: 5.1, 5.6, 2.2, 2.1, 6.6, 5.2

Grade Levels: 4, 5, 6, 7, 8, 9

Fee: \$200.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN
Desktop VC

Program Title: Sports Challenge: Health and Physiology (Virtual Visit Unit)

Description: Ever wonder why athletes get injured? Learn the importance of exercise, balance, and practice to an athlete. Also explore concepts such as reaction time and center of gravity.

Disciplines: Science, Health/PE

NJ Standards: 2.1, 2.2, 5.1, 5.2, 5.6, 6.6

Grade Levels: 4, 5, 6, 7, 8, 9

Fee: \$200.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN
Desktop VC

Program Title: Systems Science: Intro to Networks

Description: Networks deal with more than just computers and the Internet. Examine how different mechanical, biological and social networks operate and their benefits to society.

Disciplines: Science

NJ Standards: 5.4, 8.2, 2.1, 2.1

Grade Levels: 6, 7, 8, 9, 10, 11, 12

Fee: \$200.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN
Desktop VC

Program Title: The Hidden Kingdoms:The World of Microbes (Virtual Visit Unit)

Description: Journey into the hidden kingdoms of Microspace! Explore some of the smallest living things as you visit exhibits, look through microscopes and participate in a video-microscope demonstration. From inside food to inside your nose, discover how microbes are part of our daily life.

Disciplines: Science, Health/PE

NJ Standards: 2.2, 2.1, 5.1, 5.4, 5.5, 5.7, 5.10

Grade Levels: 4, 5, 6, 7, 8, 9

Fee: \$200.00

Availability: By Individual Request

Connection

Type: IP
ISDN
Desktop VC

Ocean of Know

Apt 7 US 60 Morrow Ave.
Scarsdale, NY 10583
Daniel McVeigh
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Ocean of Know is a not for profit 501(c)3 corporation founded in 1989. It was driven by a vision of how true integration of technology could transform the experience of education for everyone. The cornerstone of Ocean of Know is Young McDonald's Farm (YMF), a tele-robotic aquaponics farm located at the Rutgers University Research Greenhouse in New Jersey also partnered with Teachers College Columbia University. Students can connect with the YMF via videoconferencing link, no matter where they are. YMF is the learning incubator for both teachers and students in our programs. It is the place where they learn to put technology to work for them, to achieve their own goals, satisfy their curiosity, and in the process learn math, science, programming, strengthen their literacy skills---seamlessly.

Program Title: Aquaponics: A Mini Fish Farm

Description: The workshop will guide you in how to set up a mini fish farm in your classroom. From the fish farm, students will gain a better understanding of how eco systems work.

Disciplines: Science, Language Arts, Cross-Curricular

NJ Standards: 4.1, 4.5, 5.1, 5.2, 8.2

Grade Levels: 4, 5, 6, 7, 8, 9, Teachers, Administrators, Parents

Fee: \$175.00

Availability: By Individual Request

Connection Type: IP
ISDN

Program Title: Aquatic Eco Systems

Description: Students gain a better understanding of aquaponics (plants and fish in the same system). This program will show students how to integrate aquaculture (fish farming) and hydroponics (plants in solution, no soil) by building and maintaining their own classroom based fish tank system.

Disciplines: Math, Science, Career Ed, Special Needs, Professional Development, Cross-Curricular

NJ Standards: 4.1, 4.5, 5.1, 5.2, 8.2

Grade Levels: 4, 6, 7, 8, 9, Teachers, Administrators, Parents

Fee: \$175.00

Availability: By Individual Request

Connection Type: IP
ISDN

Program Title: Charting and Graphing Fish Data

Description: Students use a fish farm software simulation to monitor, chart and graph data.
Disciplines: Science, Professional Development, Language Arts, Cross-Curricular, Math
NJ Standards: 5.4, 5.10, 8.2
Grade Levels: 3, 4, 5, 6, Teachers, Administrators, Parents
Fee: \$175.00
Availability: By Individual Request
Connection Type: IP
ISDN

Program Title: Fish Math

Description: Students will gain a better understanding of fractions, decimals, and percents through the use of a software based fish farm simulation.
Disciplines: Math, Science, Special Needs, Professional Development, Cross-Curricular
NJ Standards:
Grade Levels: 4, 5, 6, Teachers, Administrators, Parents
Fee: \$175.00
Availability: By Individual Request
Connection Type: IP
ISDN

Program Title: How Do Robots Think?

Description: How do robots think? Students will gain a better understanding of basic programming concepts by using a children's programming language as well as being able to trigger a real robotic arm over the Internet. They will be able to view its actions via video teleconferencing.
Disciplines: Math, Science, Cross-Curricular, Fine Arts, Professional Development, Special Needs
NJ Standards: 4.5, 5.1, 8.1
Grade Levels: 4, 5, 6, 7, 8, Teachers, Parents
Fee: \$175.00
Availability: By Individual Request
Connection Type: IP
ISDN

Program Title: Intro to Aquaculture: Part I

Description: Students will learn how to build a real re-circulation fish farm with 30 gallon buckets, PVC pipe and sump pump. A copy of fish farm simulation software is supplied to better explain how a fish farm works. (Gravity and Air pressure)

Disciplines: Math, Science, Career Ed, Special Needs, Cross-Curricular, Professional Development

NJ Standards:

Grade Levels: 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers, Administrators, Parents

Fee: \$175.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN

Program Title: Intro to Aquaculture: Part II

Description: Topics included: Water Chemistry I, Basic Chemistry, pH, Temperature and Dissolved Oxygen

Disciplines:

NJ Standards:

Grade Levels: 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers, Parents

Fee: \$175.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN

Program Title: Intro to Aquaculture: Part III

Description: Topics to include: Water chemistry II, Basic Chemistry, Nitrate and Ammonia Nitrogen.

Disciplines: Math, Science, Special Needs, All

NJ Standards:

Grade Levels: 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers, Administrators, Parents

Fee: \$175.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN

Program Title: Intro to Aquaculture: Part IV

Description: General information on different types of fish farming, trout, shrimp, tilapia.

Disciplines: Math, Science, Special Needs, Cross-Curricular

NJ Standards:

Grade Levels: 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers, Administrators, Parents

Fee: \$175.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN

Program Title: Intro to Aquaculture: Part V

Description: Intro to Hydroponics, nutrients and tracer elements.

Disciplines: Math, Science, Special Needs, Professional Development, Cross-Curricular

NJ Standards:

Grade Levels: 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$175.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN

Program Title: Intro to Hydroponics

Description: How do we grow plants in solution without soil? What role do nutrients and tracer elements play in plant nutrition?

Disciplines: Math, Science, Special Needs, Professional Development, Cross-Curricular

NJ Standards:

Grade Levels: 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers, Administrators, Parents

Fee: \$175.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN

Program Title: Tilipia in the Classroom

Description: Students will learn how to develop and monitor a working fish farm in their classroom. Students will work on problem solving skills as they maintain the delicate balance between feeding rates, growth rates and water chemistry.

Disciplines: Special Needs, Professional Development, Math, Science, Career Ed, Cross-Curricular

NJ Standards:

Grade Levels: 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers, Administrators, Parents

Fee: \$175.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN

Program Title: Water Chemistry for Fish Farming of Tilipia

Description: Understanding how to balance water chemistry when farming tilipia. How to monitor and control pH; acid and base levels; best growth rate temperatures; and safe dissolved oxygen levels.

Disciplines: Math, Science, Special Needs, Professional Development, Cross-Curricular

NJ Standards: 1, 5.5

Grade Levels: 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers, Administrators, Parents

Fee: \$175.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN

Program Title: Water Chemistry for Fish Farming of Tilapia: Part II

Description: Understanding how to balance water chemistry when farming tilapia. How to monitor and control fish waste, nitrate and ammonia nitrogen levels. How and when does ammonia become lethal to fish health.

Disciplines: Math, Science, Special Needs, Professional Development, Cross-Curricular

NJ Standards: 1, 5.5

Grade Levels: 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers, Administrators, Parents

Fee: \$175.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN

Philadelphia Museum of Art

Box 7646

Philadelphia, Pa 19101

Lynda O'Leary and Candace LeClaire

Phone: 215-684-7399 Fax: 215-236-4063

Email: distancelearning@philamuseum.org Web: <http://www.philamuseum.org/education>

As one of the largest museums in the U.S., the Philadelphia Museum of Art invites visitors from around the world to explore its renowned collections, special exhibitions and enriching programs.

Program Title: African American Artists

Description: Students examine works by influential artists such as Horace Pippin, Henry Ossawa Tanner, and Elizabeth Catlett.

Disciplines: Performing Arts, Social Studies, Language Arts, Fine Arts

NJ Standards: 1.1, 1.3, 1.4, 1.5, 3.3, 3.4, 3.5, 6.1, 6.3

Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$100.00

Availability: By Individual Request

Connection

Type: IP
ISDN

Program Title: American Art: From Colony to Nation

Description: Students explore early American life by examining and discussing paintings and furniture from George Washington's day.

Disciplines: Performing Arts, Social Studies, Fine Arts, Language Arts

NJ Standards: 1.1, 1.3, 1.4, 1.5, 3.3, 3.4, 3.5, 6.1, 6.3

Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$100.00

Availability: By Individual Request

Connection

Type: IP
ISDN

Program Title: Art of Asia

Description: Students investigate and compare works of art from Asian countries, including India, China and Japan.

Disciplines: Performing Arts, Social Studies, Language Arts, Fine Arts

NJ Standards: 1.1, 1.3, 1.4, 1.5, 3.3, 3.4, 3.5, 6.1, 6.3

Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$100.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN

Program Title: Days of Knights

Description: Students learn about the history, use, and aesthetics of armor from the museum's collection. This lesson includes a live demonstration of armor pieces.

Disciplines: Performing Arts, Social Studies, Fine Arts, Language Arts

NJ Standards: 1.1, 1.3, 1.4, 1.5, 3.3, 3.4, 3.5, 6.1, 6.3

Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$100.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN

Program Title: Images of the Medieval Era

Description: Students discover how art flourished in medieval Europe by studying a variety of artistic mediums that reveal clues about life in these times.

Disciplines: Social Studies, Performing Arts, Language Arts, Fine Arts

NJ Standards: 1.1, 1.3, 1.4, 1.5, 3.3, 3.4, 3.5, 6.1, 6.3

Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$100.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN

Program Title: Learning to Look

Description: Students are shown how to develop visual perception skills and learn specific strategies for looking at and understanding works of art.

Disciplines: Social Studies, Language Arts, Fine Arts, Performing Arts

NJ Standards: 1.1, 1.3, 1.4, 1.5, 3.3, 3.4, 3.5, 6.1, 6.3

Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$100.00

Availability: By Individual Request

Connection Type: IP
ISDN

Program Title: Math and Art

Description: Explore the many ways artists have used mathematical concepts in their art. Students will see a variety of artistic styles and techniques. Topics may include pattern, symmetry, perspective and proportion.

Disciplines: Math, Fine Arts, Performing Arts, Cross-Curricular

NJ Standards: 1.1, 1.3, 1.4, 1.5, 3.3, 3.4, 3.5, 6.1, 6.3

Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$100.00

Availability:

Connection Type: IP
ISDN

Program Title: Modern & Contemporary Art

Description: Students investigate the changing roles of artists, their methods, and conceptual approaches in European and American societies.

Disciplines: Social Studies, Performing Arts, Language Arts, Fine Arts

NJ Standards: 1.1, 1.3, 1.4, 1.5, 3.3, 3.4, 3.5, 6.1, 6.3

Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$100.00

Availability: By Individual Request

Connection Type: IP
ISDN

Program Title: Photography

Description: Students view traditional photographs from the Museum's collection and explore the ways in which artists use this medium to record and alter our perception of the world around us.

Disciplines: Performing Arts, Social Studies, Language Arts, Fine Arts

NJ Standards: 1.1, 1.3, 1.4, 1.5, 3.3, 3.4, 3.5, 6.1, 6.3

Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$100.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN

Program Title: Spanish and Latin American Artists

Description: This lesson introduces students to the art of Pablo Picasso, Salvador Dali, Diego Rivera and others whose works reflect the rich culture of Spain and Latin America.

Disciplines: Fine Arts, Language Arts, Social Studies, World Languages, Service Learning, Cross-Curricular, Performing Arts

NJ Standards: 1.1, 1.3, 1.4, 1.5, 3.3, 3.4, 3.5, 6.1, 6.3

Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$100.00

Availability:

**Connection
Type:** ISDN
IP

Program Title: The Art of the Japanese Tea Ceremony

Description: Students discover customs, aesthetics, and philosophies associated with the centuries-old tradition.

Disciplines: Performing Arts, Social Studies, Language Arts, Fine Arts

NJ Standards: 1.1, 1.3, 1.4, 1.5, 3.3, 3.4, 3.5, 6.1, 6.3

Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$100.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN

Program Title: The Impressionist Era

Description: Students are introduced to this intriguing art movement, and explore the impact of artists such as Pierre-Auguste Renoir, Edgar Degas, Mary Cassatt and Claude Monet on Parisian society at the turn of the nineteenth century.

Disciplines: Performing Arts, Social Studies, Fine Arts, Language Arts

NJ Standards: 1.1, 1.3, 1.4, 1.5, 3.3, 3.4, 3.5, 6.1, 6.3

Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$100.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN

Program Title: Women Artists

Description: Students are introduced to a broad range of works by influential women artists such as Mary Cassatt, Georgia O’Keeffe, Faith Ringgold, and Graciela Iturbide.

Disciplines: Performing Arts, Social Studies, Fine Arts, Language Arts

NJ Standards: 1.1, 1.3, 1.4, 1.5, 3.3, 3.4, 3.5, 6.1, 6.3

Grade Levels: K, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$100.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN

PRISM Professional Resources in Science & Mathematics

Montclair State University
PRISM - Blanton Hall 1st Floor
Montclair, NJ 07043
Jacalyn Willis
Phone: 973-655-7753 Fax: 973-655-4430
Email: willisj@mail.montclair.edu Web: <http://prism.montclair.edu>

PRISM programs feature live conversations with scientists, researchers, naturalists, teachers and students from locations near home and far away, such as Panama, Belize and Australia. PRISM is partnered with several institutions for videoconferencing, including field stations in Panama at the Smithsonian Tropical Research Institute; the Sterling Hill Mining Museum in Ogdensburg, NJ; and the Lemur Reserve in Myakka City, Florida. PRISM works with remote eco-lodges and indigenous schools to bring wildlife programs to students. The videoconference hosts explain research, answer questions, and show video clips to illustrate the flora and fauna of these habitats. Classes ask questions and provide comparative information about the topics from their own local habitats. Sessions last up to 40 minutes to accommodate student interaction. Each session may be shared by up to 3 classes in different locations. Sessions are conducted in Spanish or bilingually by request. Most topics can be modified for any grade level: consult with our staff to ensure a good fit for your class. Details will be posted on the website at <http://prism.montclair.edu>. Sessions are preceded and followed by background information to tie to the live discussions to NJ State Standards, and to embed the videoconferences within a curricular unit.

Program Title: Earth--to--Students: New Jersey Rocks and Sediments Kit

Description: The New Jersey Rocks and Sediments Kit, prepared by the New Jersey Geological Survey, contains 17 specimens of the most important rocks, sediments, and ores that occur in the state. It serves as an excellent, hands-on introduction to the geology and nonrenewable natural resources of New Jersey and is accompanied by a page-size geologic map, an explanatory booklet, and a supplemental book on classroom activities linked to the kit. Our instructor will guide you and your students through selected activities and reveal how New Jersey's rock and sediment resources have been instrumental in the development of our state.

We recommend at least one New Jersey Rocks and Sediments Kit for every four students. These kits can either be mailed to you beforehand for a \$50 refundable deposit, or purchased for \$20 each if you wish to retain them.

Sterling Hill Mining Museum videoconferences with geologists and miners are brought to classrooms in partnership with PRISM and the Rainforest Connection. To schedule a videoconference, contact Teresa Crerand, SHMM Education Coordinator, at tcrerand@ptd.net. To discuss adapting of the listed topics to your specific needs, or to propose a topic not yet on the list, contact Dr. Earl R. Verbeek, SHMM Education Director, at shmm@ptd.net, or by phone at 973-209-7212.

Disciplines: Science, Social Studies, Professional Development

NJ Standards: 5.2, 5.8, 6.4

Grade Levels: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$220.00

Availability: By Individual Request

Connection Type: IP
Desktop VC

Program Title: Earth-to-Students: Fluorescent Materials in our Everyday Lives

Description: Postage stamps, office paper, laundry detergents, driver's licenses, safety clothing – what do these things have in common? They all incorporate fluorescent materials as part of their function. Fluorescent materials are all around us, some in obvious ways (the overhead light tubes in our schools), but many hidden. During this presentation students will explore the many ways that fluorescence is used in our daily lives.

Disciplines: Professional Development, Science, Social Studies

NJ Standards: 5.4, 5.8

Grade Levels: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$200.00

Availability: By Individual Request

Connection Type: IP
Desktop VC

Program Title: Earth-to-Students: Resource Use at the Personal Level

Description: The extractive industries (mining, quarrying, oil and gas production) provide the raw materials needed to produce almost everything we use in our lives, but our material wealth comes at a heavy environmental toll. Most of us go about our lives with little awareness of our role in this process. However, because these industries are market-driven, our lifestyle choices largely determine the environmental fate of mined areas. This videoconference is meant to serve as a reality check to connect us, the consumers, to what happens elsewhere on our behalf. In choosing our lifestyles there are few right-and-wrong answers, but there are consequences, and it is our responsibility to be aware of and acknowledge them. A wealth of material for classroom discussion and student research will result from this videoconference.

Disciplines: Professional Development, Science, Social Studies

NJ Standards: 5.4, 5.8, 5.10, 6.2, 6.4

Grade Levels: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$200.00

Availability: By Individual Request

Connection Type: IP
Desktop VC

Program Title: Earth-to-Students: What's In It and How Is It Made?

Description: We are now in our third generation of people who are largely disconnected from the Earth. Few of us these days make things for ourselves; instead we go out and buy them. In consequence, many schoolchildren have no means of making the connection between raw materials provided by the Earth and the household objects they use every day. What's in window glass? A coffee cup? The glossy paper of a book? The shingles on your roof? How does a bathtub drain pipe relate to a gas well? Find out as we explore the familiar world around us in a new way.

Disciplines: Professional Development, Science, Social Studies

NJ Standards: 5.8, 6.2

Grade Levels: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$200.00

Availability: By Individual Request

Connection Type: IP
Desktop VC

Program Title: Earth-to-Students: What's That Rock?

Description: This videoconference serves as an introduction to students on how to identify rocks, using specimens from the ever-popular Rock Discovery Center at Sterling Hill. Rock kits will be mailed to participating schools beforehand (we recommend one kit for every four students). Each kit contains igneous, sedimentary, and metamorphic rocks from quarries in New Jersey, Pennsylvania, and New York. In addition to developing rock-identification skills, students will learn how nonrenewable natural resources are used in our daily lives, for everything from railroad ballast to pool tables.

Disciplines: Professional Development, Science, Social Studies

NJ Standards: 5.8

Grade Levels: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$200.00

Availability: By Individual Request

**Connection
Type:** IP
Desktop VC

Program Title: The Rainforest Connection Live: Arthropods

Description: The arthropods make up the largest slice of biological diversity found throughout the world. How do adaptations make it possible for a species to succeed? What do we learn about adaptations when we study arthropods?

Disciplines: Science, Social Studies, Professional Development, Language Arts, World Languages

NJ Standards: 5.5, 5.10

Grade Levels: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$200.00

Availability: By Individual Request

**Connection
Type:** IP
Desktop VC

Program Title: The Rainforest Connection Live: Bats

Description: There are more species of bats than there are of any other kind of mammal in tropical forests. How do they live? What can we learn about adaptations by studying bats? What are their special relationships with other species? What kinds of bats are there? How do scientists study bats? What makes them important in food webs?

Disciplines: Science, Social Studies, Professional Development, Language Arts, World Languages

NJ Standards: 5.5, 5.10

Grade Levels: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$200.00

Availability: By Individual Request

Connection Type: IP
Desktop VC

Program Title: The Rainforest Connection Live: Canopy Species

Description: Who lives high in the trees? It's a whole other world in the canopy of a rainforest. How do they live 'way up there? What is their food? Who are their predators? Explore the world of monkeys, sloths, bats and others with video clips and photos as well as discussion.

Disciplines: World Languages, Professional Development, Language Arts, Science, Social Studies

NJ Standards: 5.5, 5.10

Grade Levels: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$200.00

Availability: By Individual Request

Connection Type: IP
Desktop VC

Program Title: The Rainforest Connection Live: Cloud Forests

Description: Some tropical forests are cool and wet, and located at high altitudes. Their flora and fauna differ from those of lowland rainforests. Cloud forest habitats are even more endangered than rainforests. Learn about these little-known forests and their special inhabitants.

Disciplines: World Languages, Professional Development, Language Arts, Science, Social Studies

NJ Standards: 5.5, 5.10

Grade Levels: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$200.00

Availability: By Individual Request

Connection Type: IP
Desktop VC

Program Title: The Rainforest Connection Live: Conservation Biology

Description: Throughout history, predators have evoked a wide range of emotions in people. They have oftentimes been misunderstood and as a result humans have persecuted them or eliminated their habitat. When this happens, the ecosystem is thrown off balance and other plants and animals are affected. Even our own pets such as dogs and cats are predators that are closely related to wolves and mountain lions. These animals are very important for the conservation of other species and much of their behavior and ecology is even more amazing than you may think! Talk with an expert on Fishers, Wolverines, and other North American predators.

Disciplines: Science, Social Studies, Professional Development, Language Arts, World Languages

NJ Standards: 5.1, 5.5, 5.10

Grade Levels: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$200.00

Availability: By Individual Request

Connection Type: IP
Desktop VC

Program Title: The Rainforest Connection Live: Decomposition

Description: The “Brown Food Web” is a way to view the multitude of decomposers and the processes that break down living organisms and return their nutrients to green plants. The diversity of decomposers rivals that of the Green Food Web in the leafy canopy of a rainforest community. How are nutrients recycled in a forest? What are the roles of various species in the process of returning nutrients to trees? Why is decomposition just as important as photosynthesis?

Disciplines: Science, Social Studies, Professional Development, Language Arts, World Languages

NJ Standards: 5.5, 5.10

Grade Levels: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$200.00

Availability: By Individual Request

Connection Type: IP
Desktop VC

Program Title: The Rainforest Connection Live: Defenses of Plants

Description: Plants can't run away from their predators, so they have evolved other defenses. From microscopic pests to large voracious herbivores, plants are under constant attack. Who eats plants and how? How do plants keep from being totally consumed? What do we know about food webs? See a new perspective on plants as the greatest chemical engineers on our planet.

Disciplines: World Languages, Professional Development, Language Arts, Science, Social Studies

NJ Standards: 5.1, 5.5, 5.10

Grade Levels: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$200.00

Availability: By Individual Request

Connection Type: IP
Desktop VC

Program Title: The Rainforest Connection Live: Food Webs in Action

Description: A tree is not “just” a tree, but also a home to many animals and other plants. The “almendro” or Dipteryx tree is one of hundreds of species of trees in a rainforest. Dipteryx is one of the tallest trees in a forest, remarkable for its beauty and incredible for how it serves many animals. Dipteryx trees produce flowers and fruits that feed many different creatures. These trees and their associates provide examples of the complex interconnections among animals and plants. Explore food webs in action at the source.

Disciplines: Science, Social Studies, Professional Development, Language Arts, World Languages

NJ Standards: 5.5, 5.10

Grade Levels: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$200.00

Availability: By Individual Request

Connection Type: IP
Desktop VC

Program Title: The Rainforest Connection Live: Lemurs in Peril

Description: Lemurs are a diverse group of primate species found in Madagascar. They live in many different ecological niches and have a variety of adaptations to those niches. Learn about their endangered conservation status, their wonderful habitats, their behaviors and biology, and the special people who study them. Brought to classrooms from the Lemur Conservation Foundation's Myakka City Lemur Reserve.

Disciplines: Science, Social Studies, Professional Development, Language Arts, World Languages

NJ Standards: 5.5, 5.10

Grade Levels: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$200.00

Availability: By Individual Request

Connection Type: IP
Desktop VC

Program Title: The Rainforest Connection Live: Mammals

Description: Mammals can be hard to see in a forest and even harder to study. What are some techniques that scientists use to understand the lives of mammals? What do they learn when they gather the data? What kinds of questions do scientists seek to answer? See the kinds of photos they get from hidden cameras in the forest.

Disciplines: Science, Social Studies, Professional Development, Language Arts, World Languages

NJ Standards: 5.1, 5.5, 5.10

Grade Levels: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$200.00

Availability: By Individual Request

Connection Type: IP
Desktop VC

Program Title: The Rainforest Connection Live: Marine Shorelines

Description: Mangroves, seagrass, and corals provide habitats that play important roles in the major ecosystems of the tropics. Learn about why they are important, how they are threatened, and what people are doing to conserve these fascinating habitats. Live to classrooms from Panama at the Galeta Marine Laboratory of the Smithsonian Tropical Research Institute.

Disciplines: World Languages, Professional Development, Language Arts, Social Studies, Science

NJ Standards: 5.1, 5.5, 5.10

Grade Levels: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$200.00

Availability: By Individual Request

Connection Type: IP
Desktop VC

Program Title: The Rainforest Connection Live: Marsupials

Description: Who are the marsupials? Why are they special? How does an ancient group compete with their placental relatives? Where are they found, and what more would we like to know about marsupials?

Disciplines: Science, Social Studies, Professional Development, Language Arts, World Languages

NJ Standards: 5.5, 5.10

Grade Levels: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$200.00

Availability: By Individual Request

Connection Type: IP
Desktop VC

Program Title: The Rainforest Connection Live: Monkeys

Description: Several monkey species can live in the same forest but use different resources. Monkey species also show a diversity of life styles and social organizations. Many of these fascinating species are in danger of extinction. Learn about how monkeys live, their special adaptations, their unique behaviors and their ecological roles in rainforests.

Disciplines: World Languages, Professional Development, Language Arts, Science, Social Studies

NJ Standards: 5.5, 5.10

Grade Levels: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$200.00

Availability: By Individual Request

Connection Type: IP
Desktop VC

Program Title: The Rainforest Connection Live: Ocelots

Description: Cautious and mostly nocturnal, ocelots are very hard to study. These medium-sized cats are important predators of rainforests in the Neotropics and other habitats from South Texas to southern South America, They play a special role in food webs which can be learned through study of a surprising behavior. Talk with scientists about how ocelots are observed, what has been learned, and what still needs to be known.

Disciplines: World Languages, Language Arts, Professional Development, Science, Social Studies

NJ Standards: 5.1, 5.5, 5.10

Grade Levels: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$200.00

Availability: By Individual Request

Connection Type: Desktop VC
IP

Program Title: The Rainforest Connection Live: Pollination

Description: Plants and the photosynthesis they perform are the foundation of food webs. But the most important plants on our planet – flowering plants - also depend on pollinators to ensure their success. Some pollinators are insects, some are birds, or mammals, even bats. Who are these pollinators and what do they do? Why are they so special?

Disciplines:

NJ Standards: 5.5, 5.10

Grade Levels: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$200.00

Availability: By Individual Request

Connection Type: IP
Desktop VC

Program Title: The Rainforest Connection Live: Predators Stalk within a Food Web

Description: Predators get such a bad reputation for eating others. Yet, when we study them, we learn so much about ecosystems. Adaptations, anatomy and function, social organization, food webs, senses, and intelligence can all be studied through the intriguing lives of predators. This topic can focus on either tropical predators or temperate zone predators.

Disciplines: Science, Social Studies, Professional Development, Language Arts, World Languages

NJ Standards: 5.5, 5.10

Grade Levels: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$200.00

Availability: By Individual Request

Connection Type: IP
Desktop VC

Program Title: The Rainforest Connection Live: Snakes

Description: Some of the most wonderful and beautiful adaptations among animals are exhibited by snakes. Explore how they move, how they feed, how they play an important role in their ecosystems. What is venom and why does it interest pharmaceutical companies? Where do snakes live and how diverse are they?

Disciplines: Science, Social Studies, Professional Development, Language Arts, World Languages

NJ Standards: 5.5, 5.10

Grade Levels: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$200.00

Availability: By Individual Request

Connection Type: IP
Desktop VC

Program Title: The Rainforest Connection Live: Symbiosis

Description: Relationships between species within a tropical forest are very complex and interconnected. Organisms as different as ants and fungi or sloths and algae have special relationships. How do species live together? What special adaptations make their lives together successful? What kinds of symbiosis do we find in a forest?

Disciplines: Science, Social Studies, Professional Development, Language Arts, World Languages

NJ Standards: 5.5, 5.10

Grade Levels: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$200.00

Availability: By Individual Request

Connection Type: IP
Desktop VC

Program Title: The Rainforest Connection Live: The Panama Canal

Description: The Panama Canal is both history and current news! In operation for nearly a hundred years, it is now expanding to handle massive ships and more traffic, while conserving water for city use. The canal connects not only oceans but also brings continents closer. Come visit Panama and its fabulous canal to learn of technology in a rainforest paradise!

Disciplines: Science, World Languages, Professional Development, Social Studies, Language Arts

NJ Standards: 5.2, 5.4, 5.10, 6.2, 6.3, 6.6

Grade Levels: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$200.00

Availability: By Individual Request

Connection Type: IP
Desktop VC

Program Title: The Rainforest Connection Live: The Poop-Cam

Description: The cycles of energy and nutrients in an ecosystem form the foundation of life on Earth. Poop plays an important role in returning minerals to an ecosystem. How do dung beetles and other poop scavengers utilize this end-product of digestion? Mammals use scats and urine to leave messages for others of their species. Biologists study elusive species through their scats and with videocameras. What is there to learn from poop?

Disciplines: World Languages, Professional Development, Language Arts, Science, Social Studies

NJ Standards: 5.1, 5.5, 5.10

Grade Levels: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$200.00

Availability: By Individual Request

Connection Type: Desktop VC
IP

Program Title: The Rainforest Connection Live: The World of Ants

Description: Rainforests are magical places in which the diversity of life is laid out before the visitor, waiting for us to seek understanding of the mysteries. There are hundreds of thousands of species of insects in rainforest. These include moths, butterflies, beetles, ants, and mosquitoes, to name only a few groups. The world of ants is fascinating, with much to learn from these small creatures: where and how they live, what they do for a living, how they are organized, and much more. Join us from a rainforest in Panama to learn what ants can teach us.

Disciplines: Science, Social Studies, Professional Development, Language Arts, World Languages

NJ Standards: 5.5, 5.10

Grade Levels: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$200.00

Availability: By Individual Request

Connection Type: IP
Desktop VC

Program Title: The Rainforest Connection Live: Tribal Peoples of Panama

Description: Share the lives of Panama's indigenous tribal Americans! Kuna are self-sufficient people who live on many of the gorgeous Caribbean Islands. These artistic people produce colorful, intricate textiles that represent their lifestyles. The Embera, rainforest tribes, exist on the mainland and live today just as they have for the past few hundred years. Both cultures have a complete and fascinating knowledge of how to subsist within their environments using both flora and fauna to produce medicines, food, and transportation.

Disciplines: Science, Social Studies, Professional Development, Language Arts, World Languages

NJ Standards: 6.2, 6.3, 6.6

Grade Levels: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$200.00

Availability: By Individual Request

**Connection
Type:**

IP
Desktop VC

Rutgers-Camden Center for the Arts

Rutgers-Camden Center for the Arts

314 Linden Street

Camden, NJ 08102

Lynda Hitchman

Phone: 856-225-6202 Fax: 856-225-6597

Email: ljhitch@camden.rutgers.edu Web: <http://www.rutgerscamdenarts.org>

Rutgers-Camden Center for the Arts, home of the Stedman Gallery and Gordon Theater, is located in the Fine Arts Complex on the Rutgers-Camden Campus. D'ARTS programs deliver live, interactive classes directly to K-12 schools through videoconferencing technology. D'ARTS combines dynamic, responsive teaching with high quality content conveyed in a cross-curricular context. Classes are offered in two general categories: Visual Arts in Diverse Curricular Contexts teaches in, through, and about visual arts; and Sources for Drama teaches various aspects of theatre.

Program Title: Bridge Building: The Benjamin Franklin Bridge

Description: The intersections of engineering and aesthetics and infrastructure and community are explored via the study of the construction of a suspension bridge through photographs, archival renderings, and vintage postcards. The Ben Franklin Bridge (1926), which joins together Camden, NJ and Philadelphia, PA, was the first bridge over the Delaware River (and briefly the longest suspension bridge in the world). "Big Ben" was an engineering marvel that forever changed the economic and transportation infrastructure of the region.

Please note that this program has limited availability.

Disciplines: Math, Science, Social Studies, Fine Arts, Cross-curricular

NJ Standards: 1.1-1.5, 3.1, 3.3, 3.4, 3.5, 4.2, 4.3, 4.5, 5.2, 5.3, 5.4, 5.7, 5.10, 6.1, 6.2, 6.4, 6.5, 6.6, 8.2, 9.2

Grade Levels: 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$65.00 - \$75.00

Availability: By Individual Request

Connection Type: ISDN
IP

Program Title: Foley Art: The Art, Drama, and Science of Sound

Description: A Foley artist creates sound effects for film, television, and radio using different kinds of technical equipment and props such as plates, glasses, car parts, chairs, and more. Students will experience the same film clip with and without sound. Students will participate in making sounds for a scene during this fascinating class which explores an art form that is heard but never seen.

Disciplines: Social Studies, Science, Performing Arts, Fine Arts, Language Arts, Health/PE, Technology/Information Science, Career Ed

NJ Standards: 1.1, 1.2, 1.3, 1.4, 1.5, 3.1, 3.3, 3.4, 3.5, 6.4, 5.2, 5.4, 5.7, 2.5, 8.2, 9.1, 9.2

Grade Levels: 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$65.00 - \$75.00

Availability: By Individual Request

Connection Type: IP
ISDN

Program Title: Greek Theatre

Description: In this class, the D'ARTS teacher will introduce students to the social and artistic elements of Greek Theatre. Using excerpts from Aeschylus' Prometheus Bound, the D'ARTS teacher will instruct students in both sound and movement as they participate in recreating a Greek chorus. (No former knowledge of the play or Greek Theatre is necessary.)

Disciplines: Social Studies, Language Arts, Cross-curricular, Performing Arts

NJ Standards: 1.1-1.5, 3.1, 3.3, 3.4, 3.5, 6.1, 6.2, 6.3, 6.5; 2.5, 9.2

Grade Levels: 6, 7, 8, 9

Fee: \$85.00 - \$90.00

Availability: By Individual Request

Connection Type: ISDN
IP

Program Title: How Much is a Million? Number Sense & Relative Size

Description: Make mind-expanding (and mind-boggling) comparisons between numbers and sizes from very large to microscopic and have lots of fun while you're learning!

Disciplines: Math, Science, Fine Arts, Language Arts, Career Ed

NJ Standards: 1.1, 3.3, 3.4, 3.5, 4.1, 4.2, 4.3, 4.4, 4.5, 5.1, 5.3, 9.2

Grade Levels: 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$65.00 - \$75.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN

Program Title: Mathematical Visions-Primary Level

Description: Various works of visual art are effectively used to illustrate a wide range of mathematical concepts. Geometry, grids, patterns, symmetry, scale, and proportion are clearly demonstrated in an innovative way to the students.

Disciplines: Math, Fine Arts, Cross-curricular

NJ Standards: 1.1-1.5, 3.1, 3.3, 3.4, 3.5, 4.1-4.5, 5.2, 5.3, 9.2

Grade Levels: 2, 3, 4, 5, 6

Fee: \$65.00 - \$75.00

Availability: By Individual Request

**Connection
Type:** ISDN
IP

Program Title: Mathematical Visions-Secondary Level

Description: Various works of visual art are effectively used to illustrate a wide range of mathematical concepts at a more advanced level than that of the primary level class. Geometry, grids, patterns, symmetry, scale, proportion, topology, golden ratio, and the Fibonacci Sequence are investigated through the artworks. are clearly demonstrated in an innovative way to the students.

Disciplines: Math, Cross-curricular, Fine Arts

NJ Standards: 1.1-1.5, 3.1, 3.3, 3.4, 3.5, 4.1, 4.2, 4.3, 4.4, 4.5, 5.2, 5.3, 5.8, 9.2

Grade Levels: 7, 8, 9, 10, 11, 12

Fee: \$65.00 - \$75.00

Availability: By Individual Request

Connection Type: ISDN
IP

Program Title: Patterns Matter: Symmetry, Patterns, Tessellation

Description: Various works of art will be used to focus on concepts relating to patterning, symmetry, and tessellation. Find out why these concepts are important, how they are used by artists and how they are used in the real world? Students will complete activities during the session to further demonstrate the concepts.

Disciplines: Math, Science, Career Ed, Language Arts, Fine Arts

NJ Standards: 1.1, 1.2, 1.3, 1.4, 1.5, 3.3, 3.4, 3.5, 4.2, 4.3, 4.5, 5.1, 5.3, 5.4, 9.2

Grade Levels: 4, 5, 6, 7, 8

Fee: \$65.00 - \$75.00

Availability: By Individual Request

Connection Type: IP
ISDN

Program Title: Points of Perspective

Description: How do artists create the illusion of a three-dimensional world on a two-dimensional canvas? By using mathematics! The D'ARTS teacher uses works of visual art to give students an effective way of understanding various spatial systems employed by visual artists including linear and atmospheric perspective, scale, and proportion. Please note that this program has limited availability.

Disciplines: Math, Fine Arts, Cross-curricular

NJ Standards: 1.1-1.5, 3.1, 3.3, 3.4, 3.5, 4.2, 4.3, 4.5, 5.2, 5.3, 5.4, 9.2

Grade Levels: 6, 7, 8, 9, 10, 11, 12

Fee: \$65.00 - \$75.00

Availability: By Individual Request

**Connection
Type:** ISDN
IP

Program Title: Points of Perspective

Description: The D'ARTS teacher uses works of visual art to give students an effective way of understanding various spatial systems employed by visual artists including linear and atmospheric perspective, scale, and proportion.

Disciplines: Fine Arts, Language Arts, Career Ed, Math, Science

NJ Standards: 1.1, 1.2, 1.3, 1.4, 1.5, 3.3, 3.4, 3.5, 4.2, 4.3, 4.5, 5.1, 5.3, 5.4, 9.2

Grade Levels: 6, 7, 8, 9, 10, 11, 12

Fee: \$65.00 - \$75.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN

Program Title: Visual Language: Language Arts through the Visual Arts

Description: The D'ARTS teacher leads the students on an exploration of the links between visual and verbal artistic expression. Metaphor and narrative forms are used in both visual and verbal expression, as are symbolism, allegory, caricature, comedy, irony, satire, surrealism, and tragedy. Students will look for and discover elements of narrative in visual art.

Disciplines: Fine Arts, Language Arts, Cross-curricular

NJ Standards: 1.1-1.5, 3.1, 3.3, 3.4, 3.5, 4.2, 5.8, 5.10, 8.2, 9.2

Grade Levels: 6, 7, 8, 9, 10, 11, 12

Fee: \$65.00 - \$75.00

Availability: By Individual Request

**Connection
Type:** ISDN
IP

Science in the Cinema

Passaic Valley Regional High School
160 East Main St.
Little Falls, NJ 07424
Matt Conforth
Phone: 973-890-2500 2541 Fax: 973-890-0385
Email: pvmconforth@yahoo.com

Free film and lecture series intended for an audience that enjoys the cinema and has an interest in science and medicine. Following the viewing of each film, an expert discusses the science depicted in the film and takes questions from the audience.

This program is a collaboration with the New Jersey Association of Biomedical Research. (Contact: Jayne Mackta, 908-964-9449)

Watch for the comprehensive website for Science in the Cinema coming this summer!

Program Title: Science in the Cinema via Video Conferencing

Description: Science in the Cinema in its original form is a free film and lecture series intended for a broad range of individuals who enjoy the cinema and have an interest in science and medicine. Selected films touch on a variety of medical and scientific topics. Following each film, an expert discusses the science depicted in the film and takes questions from the audience. These discussions also include the ethical implications raised by the film. Science in the Cinema via Videoconferencing uses the same concept, but connects the students with the expert using videoconferencing. Recent projects have included experts in the fields of medicine, genetics, anthropology, cellular biology and toxicology. An example is the movie Lorenzo's Oil that was used as a catalyst to discussions on the treatment of diseases and the ethics in human experiments and gene therapy. Dr. Tischfield, a Rutgers professor of genetics was the guest speaker. Other movies include Jurassic Park, and The Real Jurassic Park, Civil Action, Gattaca, The Island of Dr. Moreau, and Erin Brokovich.

Disciplines: Science, Math, Social Studies

NJ Standards: Science Standards 5.1, 5.2, 5.4, 5.5, 5.6, 5.8, 5.10
Comprehensive Health and Phys. Ed. Standards 2.1, 2.2, 2.3

Grade Levels: 7, 8, 9, 10, 11, 12

Fee: \$0.00

Availability: By Individual Request

Connection Type: IP
ISDN

The Newark Museum

49 Washington Street

Newark, NJ 07102

Kevin Heller

Phone: 973-596-6558 Fax: 973-596-6614

Email: schoolgrouppreservations@newarkmuseum.org Web: <http://www.newarkmuseum.org>

The Newark Museum is New Jersey's largest museum of art, science and education, with 80 galleries of inspiration and exploration. Collections include American, African, Native American, Asian art and Decorative Arts. The Science collections include geology, biomes, a planetarium and a mini-zoo featuring live animals from around the world.

Program Title: African Art

Description: A museum educator will lead participants in learning about the traditional African approach to art and art making through a discussion of a chief's stool, textiles and masks.

Disciplines: Social Studies, Professional Development, Language Arts, Fine Arts, Cross-curricular

NJ Standards: Visual Arts: 1.1, 1.4, 1.5 Language Arts: 3.1, 3.2, 3.3, 3.4, 3.5 Social Studies: 6.2, 6.4, 6.6.

Grade Levels: 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$100.00

Availability: By Individual Request

Connection Type: IP

Program Title: American Art: History Through Artists' Eyes

Description: Through guided discussion of selected works of American art from the 19th and 20th centuries, students explore US history through the eyes of artists who painted and sculpted their impressions long ago. Teachers choose topics and works of art to be featured via pre-visit video conference conducted live from Picturing America, the Museum's American art galleries. Topics can include The Civil War, 19th Century Portraits, 19th Century Landscapes, 20th Century City Life and Late 20th Century Installations.

Disciplines: Social Studies, Professional Development, Language Arts, Fine Arts, Cross-curricular

NJ Standards: Visual Arts: 1.1, 1.4, 1.5 Language Arts: 3.1, 3.2, 3.3, 3.4, 3.5 Social Studies: 6.2, 6.4, 6.6.

Grade Levels: 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$100.00

Availability: By Individual Request

Connection Type: IP

Program Title: Dynamic Earth: Revealing Nature's Secrets

Description: Take a journey back to the beginning of the Earth 4.6 billion years ago and discover how an ever-changing Dynamic Earth creates new environments to which animals and plants adapt. Discover geological forces such as plate tectonics and convection and explore how continents have shifted through time to develop new environments, leading to an incredible array of animals and plants. Programs will include slides, video clips and demonstrations, and can be tailored to specific grade levels and curriculum topics.

Disciplines: Science, Language Arts, Cross-curricular

NJ Standards: Science: 5.1, 5.3, 5.4, 5.5., 5.6, 5.7, 5.8, 5.9, 5.10 Language Arts: 3.3, 3.4, 3.5

Grade Levels: 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Teachers

Fee: \$100.00

Availability: By Individual Request

Connection Type: IP

Program Title: House & Home in Victorian America

Description: Students step into the Victorian era through the exhibition House & Home, located in the Museum's 1885 on-site mansion, the Ballantine House. Live, on-camera exploration introduces participants to the rich symbolism that filled late Victorian homes, from stained glass and carved wood surfaces to furniture & rooms designed to meet the social customs of the time. Students learn about actual people who lived and worked in the Ballantine House, now a National Historic Landmark.

Disciplines: Social Studies, Professional Development, Language Arts, Fine Arts, Cross-curricular

NJ Standards: Visual Arts: 1.1, 1.4, 1.5, 1.6 Language Arts 3.1, 3.2, 3.3, 3.4, 3.5 Social Studies 6.2, 6.4, 6.8

Grade Levels: 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$100.00

Availability: By Individual Request

Connection Type: IP

Program Title: Native America

Description: Visit our Native American gallery without leaving your classroom, and explore how objects tell stories about the people who made them. Examine 20th-century Navajo weaving to learn how an ancient culture reacts to the modern world. See a variety of cooking utensils from various Native American peoples. Learn the Hopi secret for keeping water cool without a refrigerator.

Disciplines: Social Studies, Language Arts, Fine Arts, Professional Development, Cross-Curricular

NJ Standards:

Grade Levels: 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$100.00

Availability: By Individual Request

Connection Type: IP

Program Title: Tibet: Art and Culture

Description: Based in the museum's Tibet Information Zone, this program helps students explore aspects of Tibetan culture through objects and paintings. Learn how to read a Tanga painting; explore a mural that shows aspects of Tibetan daily life; and examine real Tibetan clothing. Upper grades visit the Museum's Tibetan Buddhist altar and explore the rich symbolism in the painted decoration and objects from the Museum's Tibetan collection.

Disciplines: Social Studies, Professional Development, Language Arts, Fine Arts, Cross-Curricular

NJ Standards: 1.1, 1.4, 1.5, 3.1, 3.2, 3.3, 3.4, 3.5, 6.2, 6.4, 6.6

Grade Levels: 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$100.00

Availability: By Individual Request

Connection Type: IP

The Paley Center for Media (formerly The Museum of Television & Radio)

25 West 52nd St.
New York, NY 10019
Education
Phone: 212-621-6600 Fax: 212-621-6765
Email: distancelearningny@paleycenter.org Web: <http://www.paleycenter.org>

The Paley Center's Education Department uses the collection in partnership with schools and other institutions to explore important themes and issues that have shaped contemporary history, as well as to develop and refine our audience's critical thinking and viewing skills. While the medium is television or radio, the subject may be advertising, animation, political campaigns, the Cold War, or many others.

Program Title: Get Up! Stand Up! : The Civil Rights Movement & Television

Description: Television played a vital role in the civil rights movement, both as observer and participant. Students will examine news programs and documentary footage in order to identify and discuss the role television played in recording, informing, and interpreting the struggle for equal rights in America.

Disciplines: Social Studies, Language Arts, Cross-curricular

NJ Standards: 3.3, 3.4, 6.2, 6.3, 6.4

Grade Levels: 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$125.00

Availability: By Individual Request

Connection Type: IP
ISDN

Program Title: Portrayals of Women on Television

Description: Students will examine how portrayals of women on television have evolved from the 1950's to the present. This class encourages participants to think about women they admire and to compare them to these fictional portrayals.

Disciplines: Social Studies, Language Arts

NJ Standards: 3.3, 3.4, 6.2, 6.3, 6.4, 6.5

Grade Levels: 7, 8, 9, 10, 11, 12

Fee: \$125.00

Availability: By Individual Request

Connection Type: IP
ISDN

Program Title: The Fine Art of Persuasion: Television & Advertising

Description: What is advertising, what is its goal, and what are its methods? How do images and sounds combine to make a point or sell a product, and how have these changed over time? Through careful analysis, students will discover the persuasive techniques developed to capture a viewer's attention in order to promote a product or idea.

Disciplines: Social Studies, Career Ed, Language Arts, Cross-curricular

NJ Standards: 3.3, 3.4, 6.4, 6.2, 6.5

Grade Levels: 5, 6, 7, 8, 9, 10, 11, 12

Fee: \$125.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN

Program Title: Tooned In to Animation

Description: Experience the magic of animation and learn about the process behind one of television's most creative forms. Students will watch a series of clips and discover how still images become animated cartoons.

Disciplines: Math, Social Studies, Career Ed, Language Arts, Fine Arts, Cross-curricular

NJ Standards: 3.4, 3.3, 6.2

Grade Levels: 3, 4, 5, 6, 7, 8

Fee: \$125.00

Availability: By Individual Request

**Connection
Type:** IP
ISDN