

# APT Videos and Resources Available for Alabama Teachers

## Science

### Alabama Stories ----- 5 videos—9 segments

#### 1) Aliens Among Us ---Plants

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=1085>

"Aliens Among Us". Sounds like a B Sci-Fi movie, or a special on the immigration issue, but in this week's Alabama Stories, Tim Lennox explores the invasion of alien plants and animals in Alabama. One of them is described as such a big threat to Alabama's environment that a war council was convened in May to form a battle plan. Another is the plant we love to hate...Kudzu. And we'll tell you something about that creepin' vine you've probably never heard before. And we'll show you a 200 acre section of the state where almost of the invasives have been cleared out.

#### 2) Alabama Goes Green—Environment

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=1048>

In 2008, Forbes magazine named Alabama one of the worst "green states" in the country. Alabama leaders, businessmen and homeowners are working to shake this stigma. Find out which businesses and communities in the state have set a goal of "going green," and the efforts they are making to do so. From fraternities to families, Alabama citizens are taking stock of their duty to preserve our resources. Laker Richardson explains the origins of the green trend, as well as the controversies that surround the initiative.

#### 9 Video Segments from Alabama Goes Green

Alabama Goes Green Digital Media Concept Library—the video above has been broken into segments and additional resources have been attached. Check out the following links for the 9 segments from this video.

#### Introduction to Green Efforts in Alabama

<http://www.aptv.org/aptpplus/digitalmediadetail.asp?ConVidID=35>

Laker delivers her introduction and identifies efficiency, conservation & reuse as three areas being addressed in Alabama to combat the pollution problem. Governor Riley announces "Flexfuel" capability for state transportation vehicles.

#### Recycling in Auburn

<http://www.aptv.org/aptpplus/digitalmediadetail.asp?ConVidID=36>

This segment focuses on environmental awareness in Auburn by setting up a user-friendly recycling center that allows people to recycle paper, plastics, aluminum cans and electronics safely. It also includes a demonstration site to show visitors the value of a compost product, how it works and how it can be used.

#### Recycling in Homewood

<http://www.aptv.org/aptpplus/digitalmediadetail.asp?ConVidID=37>

Homewood, AL – interview with Mark Rubino, Acting Director of the Green Resource Center, also known as the "Green Team" and "Green Central Station" which acts as a convener by building a transportation hub with information and research available to all who want to use the facility. The focus is on ongoing energy conservation efforts illustrated by such options as flooring choices and insulation alternatives in buildings. Green Central Station also will offer a digital resource center which will provide people with information regarding many "green" choices for home and business environments.

### **Alabama Power's Change From Coal to Newer Fuels**

<http://www.aptv.org/aptplus/digitalmediadetail.asp?ConVidID=38>

Birmingham – interview with Zeke Smith, Finance & Regulatory Planning Vice President at Alabama Power Company, who identifies Alabama Power Company as a coal-based company that has begun to change to promote renewable energy by investing in the appropriate equipment and customer partnerships. As an example, he mentions biomass and its cost-cutting effects for both the company and the consumer.

### **The Cahaba River Society**

<http://www.aptv.org/aptplus/digitalmediadetail.asp?ConVidID=39>

Cahaba River Society – interview with Beth Stewart, Executive Director of the CRS, a non-profit organization dedicated to restoring and conserving the Cahaba River watershed by promoting efficiency conservation, pollution reduction, and reuse theory. The organization selected the new Huett Trussville High School as the recipient of their Blue-Green Award because of its conscious design to save energy, utilize sunlight, conserve trees, eliminate runoff, and protect water.

### **Recycling in Tuscaloosa**

<http://www.aptv.org/aptplus/digitalmediadetail.asp?ConVidID=40>

Tuscaloosa/Northport – interview with Mark Warner, President/CEO of Gulf Coast Energy which sponsors an awareness campaign to clean up the environment. The company has partnered with the University of Alabama which has instituted an electronics recycling initiative allowing people to turn in old electronic equipment for proper disposal. In addition, the Alpha Tau Omega fraternity made a conscious decision to go green and as a result uses only “green” product providers replacing all of their non-biodegradable disposable products which biodegradable disposable products.

### **Green Homes**

<http://www.aptv.org/aptplus/digitalmediadetail.asp?ConVidID=41>

Greenville – interview with Lori Cummings who explains the construction of her new, “green” home and takes the viewer on a tour of the “green” home focusing on energy efficiency and conservation.

### **Alabama Energy Day**

<http://www.aptv.org/aptplus/digitalmediadetail.asp?ConVidID=42>

Alabama has been rated the 3<sup>rd</sup> worst “green” state in the nation by Forbes magazine. This designation is attributed in part to excessive driving, massive landfills, and weak regulations. The government and citizens of Alabama are addressing these issues in a myriad of ways as detailed in interviews with subject experts, government and business leaders, advocacy organizations and citizens statewide

### **Global Warming**

<http://www.aptv.org/aptplus/digitalmediadetail.asp?ConVidID=43>

Global warming defined and illustrated with graphics. Interviews with Dr. Joyce Lanning, environmental educator, and Dr. John Christy, State Climatologist/professor

### **3)The Drought—Weather--Drought**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=972>

By year-end 2007, rainfall totals were more than 30 inches below normal in some Alabama cities; an estimated 1.9 million state residents were living under water restrictions. “Alabama Stories” host Chris Newbold examines the impact of the drought on Alabama’s agricultural and recreational industries as well as the daily lives of its citizens.

### **4)50<sup>th</sup> Anniversary of Explorer 1—Space--Spacecraft**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=924>

This program examines Alabama’s role in American space exploration as it celebrates the 50th Anniversary of the launch of Explorer I, the first U.S. satellite. Explorer I was launched January 31, 1958 by the Jupiter-C rocket that was developed at Huntsville’s Redstone Arsenal

### **5) Hurricanes—Weather—Hurricanes**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=1126>

Alabama Stories examines the impact of the huge storms that wreak havoc in the Caribbean and on U.S. shores each year.

## **SciGirls—Importance of Science----- 1 video**

### **1)SciGirls Camp—Scientists**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=903>

Girls in Science? You bet. Watch this 15 minute program, SciGirls--and get ready to experiment on your own! Produced by Camp Crosby and Alabama Public Television.

## **Planet H2O----- 6 videos**

### **1)Acid Rain--Weather--Environment—Rain--Pollution**

<http://www.aptv.org/h20/viewprogram.asp?ENID=1>

Acid rain is a prime example of how activities in one area can have a serious effect on conditions of a global scale. Acid rain primarily results from the transformation of industrial pollutants such as sulphur dioxide (SO<sub>2</sub>) and nitrogen oxides into other compounds such as sulphuric acid (H<sub>2</sub>SO<sub>4</sub>), and nitric acid (HNO<sub>3</sub>). This transformation occurs as these pollutants are transported in the atmosphere over distances of hundreds to thousands of kilometers. For example, sulfur dioxide emissions from industrial processes and the burning of fossil fuels have resulted in extensive acid rain and accompanying water pollution problems in southeastern Canada and the northeastern US. These emissions have global implications: more than half of the acid deposition in eastern Canada originates from emissions in the United States. Even slight changes in the pH of lakes and rivers can cause the loss of fish and invertebrates which are important links in the food chain. Acid rain is also responsible for extensive loss of forest cover in that region.

### **2)Where's the Water--Environment—Water---Pollution**

<http://www.aptv.org/h20/viewprogram.asp?ENID=2>

Seventy percent (70%) of the Earth's surface is covered with water and when viewed from space, our planet appears blue with a plentiful supply of water. However, clean, fresh water for drinking and irrigation is a scarce and valuable commodity in many parts of the world. Even though water is abundant on our planet, only a very small percentage can be used by humans and other organisms.

### **3)Water Pollution--Environment—Water---Pollution**

<http://www.aptv.org/h20/viewprogram.asp?ENID=3>

This demonstration shows how ground pollution and upstream water pollution can be carried downstream to other bodies of water and land. The "ground" in the stream table model has been polluted with green food coloring (before the water is added). As the water passes over the polluted area, the pollution contaminates the stream, surrounding land and the larger body of water at the end of the stream.

### **4)Bottled-vs-Tap Which Tastes Better?-- Environment—Water--Pollution**

<http://www.aptv.org/h20/viewprogram.asp?ENID=4>

Bottled water is a \$50 billion-a-year industry worldwide, and people in the United States consume more bottled water than people in any other country. How is it different from what comes out of our taps? Is it really tastier, fresher and healthier – or is that just the advertising hype? The quality of tap water varies depending on where you live, and you can check on the EPA's Web site to find out if your community's water meets national standards. For most of us in the United States, tap versus bottled water is a personal choice." Planet H<sub>2</sub>O Teacher's Guide – [www.thirteen.org/h2o](http://www.thirteen.org/h2o)

### **5)Water Supply and Demand-- Environment—Water---Pollution**

<http://www.aptv.org/h20/viewprogram.asp?ENID=5>

About 2/3 of our water supplies goes to agriculture and food production. Two-thirds (2/3) of the water from the supply pitcher is poured into the "agriculture" container. Students then list other demands...drinking water, water for cleaning, etc. Students are then presented with other factors that will influence their supply and demand. An environmental factor, such as a drought, will mean that the affected part of the country will have an increased demand (water is distributed from the supply pitcher). A great increase in the human population in another part of the country will increase their demand as well (water is distributed from the supply pitcher).

When the supply pitcher is almost empty, the topic of water scarcity arises. Water scarcity occurs when the demand for water out paces the supply and causes water shortages.

## 6) Water Pollution and the Aquatic Food Chain—Environment—Water---Pollution—Aquatic Life <http://www.aptv.org/h20/viewprogram.asp?ENID=6>

Biomagnification is the accumulation of a substance up the food chain by transfer of the pollutant in smaller organisms that are food for larger organisms in the chain. It generally refers to the sequence of processes which results in higher concentrations in organisms at higher levels in the food chain (at higher trophic levels). These processes result in an organism having higher concentrations of a substance than is present in the organism's food.

There is evidence that some carnivores at the ends of longer food chains (e.g. larger fish, birds of prey, HUMANS) can then accumulate the water pollutant from eating down in the food chain.

## UAB Live in Antarctica Online— 1 video

### 1) Antarctica Online---Weather—Environment

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=816>

Alabama students held a video conference with the UAB Antarctica Team LIVE FROM ANTARCTICA.

## Discovering Alabama-----12 videos

### 1) Project Community—Hands on Science—Nature—Technology and Science

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=1056>

This program features Alabama's 21st Century Community Learning Centers. Dr. Phillips visits with teachers and students involved in after-school natural science education activities for a first-hand look at Alabama's 21st Century Community Learning Centers and a project being implemented by Discovering Alabama called Project Community. Included is guest commentary by officials from the Alabama State Department of Education highlighting the importance of science education and the many values of extended-day and extended-year school programs. Also featured are recent technological innovations linking hands-on nature study to computer-based science resources, together with a look at many of the changing realities of public schooling in Alabama today.

### 2) Little River Canyon—National Preserve—Nature—Rock and Minerals—Gorge

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=430>

For millions of years the waters of Little River have gathered from upper Dekalb and Cherokee counties, flowing southward and carrying a path deep into the sandstone, limestone, and shale that underly this plateau region. The result, Little River Canyon, a great gorge so impressive in dimensions that it is often called the Grand Canyon of the East. In 1985, Little River Canyon was featured among the first programs of the Discovering Alabama series. This year, marking Discovering Alabama's 20th Anniversary, host Doug Phillips takes viewers on a dramatic natural treasure to explore the effects of time and change, and to consider the increasing dilemma of human population pressures versus the need for natural area preservation

### 3) National Forests—Nature—Plants—Forest---Trees

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=429>

Dazzling hi-definition footage enriches this program recognizing Discovering Alabama's 20th Anniversary and honoring the 100th Anniversary of the U.S. Forest Service. Alabama's six divisions of National Forests represent the great physiographic variety of Alabama. Their total of more than 660,000 acres contains some of the nation's most diverse and productive forestlands. This program takes viewers on a grand aerial tour of the entire system of National Forests in Alabama. Along the way, visits with naturalists, historians, and others highlight the historical role of the U.S. Forest Service and examine the many ways National Forest lands add to the quality of life in Alabama.

### 4) Forest Issues—Plants—Forest---Trees

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=424>

This program focuses primarily on key issues of forest controversy, including such hot-button issues as the practice of clear-cutting and the conversion of natural forestlands into pine tree plantations.

### 5) Bear Creek Watershed—Water---Pollution---Creek

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=428>

Far up in northwest Alabama is Bear Creek, a stream of impressive wildness surrounded by farms and forests. Although remote, this part of Alabama today enjoys distinguished recognition for the successful cooperation of local organizations and landowners in correcting the serious "non-point source" pollution problems that for years caused Bear Creek to be officially closed to human use.

### 6) Cahaba River Watershed—Water—Pollution--Rivers

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=454>

This video is the second of the Discovering Alabama series featuring the Cahaba River. In it, Dr. Phillips explores the full length of the Cahaba and examines the relationship between river conditions and changes in the watershed. The program gives special attention to rain-dispersed, or non-point, sources of pollution.

### 7) Alabama Rivers—Water—Rivers

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=426>

Dr. Doug Phillips takes viewers on a riverboat trip to examine the diversity of streams and rivers that set Alabama apart as a unique realm of freshwater resources. Guest commentary by Dr. E.O. Wilson and other experts provide insights into both the qualities of Alabama's freshwaters and their environmental threats.

### 8) Alabama Wetlands—Water—Pollution—Rivers

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=450>

The term "wetlands" is relatively new. For much of the nation's history wetlands were considered wastelands, and thus frequently drained, polluted, or otherwise altered and ruined. Today, there is new recognition of the many important ecological and economic benefits of wetlands. This video overviews the diversity of wetland resources in Alabama, describes the many values they contribute, and highlights the dilemma of inadequate wetlands protection in the state. Guest experts provide scientific and policy explanations to further clarify wetlands issues.

### 9) An Alabama Night Hike—Astronomy—Stars---Space

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=450>

Follow host Dr. Doug Phillips as he takes a nighttime stroll through the Alabama woodlands by the light of the stars. He explains how to enjoy such a night hike without the aid of a flashlight, lantern, etc. Along the way, viewers are given a lesson in studying the night sky as Dr. Doug is joined by a group of teachers interested in astronomy.

### 10) Forever Wild --Conservation—Natural Habitats

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=453>

Alabama's "Forever Wild" land conservation program is recognized nationally for its effectiveness in protecting significant wildlands. This video reflects on the history of how the "Forever Wild" program was established and tells how Alabamians can participate in promoting such land conservation

### 11) Mobile River Basin—Water—River—Basin

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=451>

Few places boast such an abundance of freshwater as our state of Alabama. Join host Dr. Phillips for a journey across 44,000 square miles of the Mobile River Basin, a freshwater drainage encompassing most of Alabama

### 12) Sipsey River Swamp—Water—River—Swamp

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=16>

Discover the wild allure of the Sipsey River Swamp along the 100-mile Sipsey River, one of Alabama's few remaining unimpounded rivers. Learn about the 20th century impact to natural resources and new perspectives on natural resource protection.

## Face to Face ----- 3 videos

### 1) J. David Sweatt—Medicine—Neuroscience—Memory—Brain

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=1095>

Dr. Sweatt received his bachelors degree in Chemistry from the University of South Alabama and his Ph.D. in Pharmacology from Vanderbilt University. He did a post-doctoral Fellowship at the Columbia University Center for Neurobiology and Behavior, working on memory mechanisms in the laboratory of Nobel laureate Eric Kandel. From 1989 until 2006 he was in the Department of Neuroscience at Baylor College of Medicine, rising through the ranks to Professor. At the University of Alabama at Birmingham, he serves as the Director

of the Evelyn F. McKnight Brain Research Institute and is the Evelyn F. McKnight Endowed Chair of the Department of Neurobiology. His research focuses on the signal-transduction mechanisms operating to control gene transcription in learning and memory. In addition, his research program also investigates mechanisms of learning and memory disorders, such as mental retardation and aging-related memory dysfunction. He is an associate editor for the Journal of Neuroscience and other scientific journals, and the author of a textbook, Mechanisms of Memory.

## 2) Parker Griffith MD – **Medicine—Health Issues—Obesity—Cancer**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=1031>

Board Certified Radiation Oncologist Parker Griffith discusses health issues and prevention. Among his concerns are Alabama's obesity statistics and the state's high incidence of lung cancer.

## 3) Sue Adams – **Medicine—Drug Prevention**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=934>

There is a new drug youths are using to get high. It is called salvia and when smoked users can get high from it. Sue Adams, Ed.D. is in charge of the Alabama Department of Education's Prevention and Support Services. She talks about how schools work to address the issues of drug use in schools.

# Einstein Videos----- 6 videos

## 1) Light Diffraction – **Light Waves—Incandescent Light**

<http://www.aptv.org/einstein/viewprogram.asp?ENID=1>

This demonstration exhibits light's wave-like characteristics. This is half of light's duality; the other half being light's particle-like characteristics. Using diffraction gratings we can compare the visible parts of atomic spectra for different elements. A diffraction grating consists of a large number of equally spaced parallel slits. These slits bend light differently according to wavelength. Incandescent lights work by heating a solid piece of tungsten wire. This heating of a solid produces a variety of wavelengths, giving an impressive spread of colors when viewed with a diffraction grating. Since the other lamps are single gaseous elements, they emit only a few wavelengths of light, their individual atomic spectra.

## 2) Photo Electric Effect – **Light Waves –Atomic Spectrum—Spectra**

<http://www.aptv.org/einstein/viewprogram.asp?ENID=2>

The message is the dual nature of light. When a gaseous element is raised to a high temperature, the atoms emit radiation having discrete wavelengths. The set of wavelengths for a given element is called its atomic spectrum. Einstein showed us that light can be described not only as a wave, like a water wave, but also as a particle. This understanding of light allowed us to understand why different elements have different fingerprint patterns of light known as spectra.

## 3) Photo Electric Effect in Action --**Light Waves – Photo Electric Effect**

<http://www.aptv.org/einstein/viewprogram.asp?ENID=3>

The understanding that light interacts with matter like a particle also lead to modern information technology, like computers, TVs, and lasers. The communicator is a direct example of the Photo-Electric Effect, one of Einstein's groundbreaking 1905 theses. This is the achievement for which he won the Noble Prize for Physics in 1921. The Photo-Electric Effect centers on the ability of light to free up electrons inside metal atoms. This induces electric current through out an illuminated piece of metal. The idea that light can physically disturb electrons denotes a particle nature of light. The energy produced is proportional to the frequency of light, not the intensity of light. This fact draws on the wave-like properties of light within the same interaction.

## 4) General Relativity – **Light—Speed--Space—Time**

<http://www.aptv.org/einstein/viewprogram.asp?ENID=4>

Space-Time is the unification of space, the three dimensional world around us, and the concept of time. These seemingly immiscible ideas must meet to explain the nature of light. Space and time are not absolutes: 10 seconds is not always 10 seconds and a cubic centimeter is not always a cubic centimeter. The speed of light in a vacuum is the only absolute

## 5) Speed of Light – **Light—Speed**

<http://www.aptv.org/einstein/viewprogram.asp?ENID=5>

Einstein's crucial breakthrough about the nature of light, made in 1905, can be summed up in a deceptively simple statement: The speed of light is constant. So what does this sentence really mean? Surprisingly, the answer has nothing to do with the actual speed of light, which is 186,000 miles per second through the "vacuum" of empty space. Instead, Einstein had an unexpected insight: that light from a moving source has the same velocity as light from a stationary source. For example, beams of light from a lighthouse, from a speeding car's headlights and from the lights on a supersonic jet all travel at a constant rate as measured by all observers—despite differences in how fast the sources of these beams move.

## 6) Color Mixing – **Light—Speed—Color**

<http://www.aptv.org/einstein/viewprogram.asp?ENID=6>

What is light? How does it travel, and how fast can it go? Even as a teenager, Einstein was fascinated by the nature of light. When he was just 16 years old, Einstein tried to imagine what it would be like to ride on a beam of light. Could he travel as fast as light? Could he travel faster?

## **For The Record-----5 videos**

### **1) Severe Weather—Weather—Storms—Lightning—Tornado—Floods**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=370>

Warning Coordination Meteorologist Jason B. Wright talks about being prepared for severe weather. Wright will discuss what people need to do to protect themselves from lightning wind, hail, tornadoes and floods. Wright will also take questions from viewers who call 1-866-552-0025.

### **2) Fall Severe Weather Awareness—Weather—Tornado--Prepartition**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=595>

November has historically has been a very active month for tornadoes in Alabama. Between 1950 and 2005 there have been 210 tornadoes in November - the most for any month. Jason Wright, Warning Coordination Meteorologist, will discuss what people need to do to be ready for severe weather.

### **3) Winter Weather—Weather—Winter—Snow—Ice**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=678>

The National Weather Service is using the week of December 4-8 to highlight the dangers of hazardous winter weather. Jason Wright, Warning Coordination Meteorologist for the National Weather Service in Birmingham, will discuss situations for which Alabamians need to take precautions. He will also take viewer questions when they call 1-866-552-0025.

### **4) Drought Hits Horticulture---Weather—Drought—Plants**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=588>

The drought has hurt agricultural crops around the state. But the drought has also hurt efforts to grow other types of plants. Horticulture experts talk about how the stress of the drought is hurting other parts of plant life.

### **5) Oil Drilling in the Gulf of Mexico—Environment—Pollution—Water-- -Animal Habitats**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=537>

The U.S. Senate has passed legislation to allow more drilling for oil in the Gulf of Mexico. The legislation also gives states bordering the Gulf of Mexico, like Alabama, a greater percentage of the revenue than is currently distributed. Environmentalists worry more drilling could endanger animal habitats and coastal areas.

## **GED Connection----4 videos**

### **1) Earth and Space Science—Geology—Astronomy—Weather—**

#### **Earthquakes**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=272>

Topics in geology, astronomy, and meteorology, including earthquakes, how the Earth was formed, natural cycles, and the basics of weather and energy.

### **2) Life Science—Biology—Genetics—Ecosystems**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=273>

Explores a variety of life science topics, from basic biology to genetics to ecosystems.

### **3) Chemistry—Chemical Reactions**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=273>

Defines an element, illustrates some chemical reactions, and explores practical applications of chemistry in everyday life—from cooking to making art.

### **4) Physics—Physics**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=274>

Explores the physics involved in roller coasters, space flight, sound, electricity, and MRI technology.

# Social Studies/History

## For the Record----1 video

### 1) History Knowledge—American History—Events

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=156>

1776? 1492? 1821? When you watch people on the street give horribly wrong answers to American History questions asked by Jay Leno, you would think we're a nation of history illiterates. How important is teaching about our past? We'll talk with The Alabama History Teacher of The Year about the problem and possible solutions.

## Face to Face ----- 6 videos

### 1) Jonathan Steele—Selma March—Iraq War—News Correspondent

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=931>

Jonathan Steele discusses the Iraq War. Steele is a columnist and foreign correspondent for the London newspaper "The Guardian." Steele has also spent time in Alabama. He was in Selma when the Selma to Montgomery was turned back on "Bloody Sunday" March 9, 1965.

### 2) Arthur Herman Ph.D. – British Navy—Scotland—Senator McCarthy—Vietnam War—Iraq War

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=932>

Arthur Herman, Ph.D. is an author and historian. He has written books on the British Navy, Scotland's influence on the world, and former Senator Joseph McCarthy. Herman is the coordinator of the Western Heritage program at the Smithsonian Institution. Herman talks about the influence from countries like Scotland on Alabama and the South. He will also draw comparisons between the Vietnam War and the War in Iraq.

### 3) Arthur Herman –Gandhi—Churchill—Smithsonian

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=890>

Arthur Herman is an historian and author. Herman serves as Coordinator of the Smithsonian's Western Heritage Program. Herman has written books on Scottish influence, the British Navy, and has a book on Gandhi and Churchill to be released soon. Herman is also widely known for his commentaries in "The Wall Street Journal," "New York Post," and "National Review".

### 4) Major General William L Nash—Army—Desert Storm—Iraq War

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=935>

Major General William L. Nash was a former armored division commander and brigade commander in Desert Storm. A West Point graduate Nash is a Senior Fellow for Conflict Prevention at the Council on Foreign Relations. Nash discusses Iraq, and General Petraeus's report on America's ongoing effort in the country. Nash visited the state to talk to the Alabama World Affairs Council

### 5) Congressman Artur Davis –Congress—Iraq War—Federal Hate Crime Bill—Gay Marriage—Democratic Party

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=872>

Congressman Artur Davis represents Alabama's Seventh Congressional District. The two term Democrat talks with us about the new historically low public opinion of Congress, about the war in Iraq, the nature of political party loyalty, about his support for a Federal Hate Crime bill and his opposition to gay marriage.

## 6) Author Steven Fox – Civil War—Warship—Confederate—Admiral Semmes

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=866>

Author Steven Fox talks about his book “Wolf of the Deep, Raphael Semmes and the Notorious Confederate Raider C.S.S. The book looks at the history of the Civil War ship. Also Oliver Semmes the great great grandson of Admiral Semmes talks about a burial held for the unidentified remains of one of the ship’s crew.

## Alabama Stories ----- 4 videos

### 1) Sharecroppers in Alabama – Agriculture—Alabama History—Farming-Sharecropping

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=1086>

Sharecropping is a system of agriculture or agricultural production in which a landowner allows a sharecropper to use the land in return for a share of the crop produced on the land. Sharecropping has a long history throughout the world—and here in Alabama. Lori Cummings examines the history of sharecropping in our state, including interviews with and recollections from distinguished descendants of sharecroppers.

### 2) Bay of Pigs Reunion – American History—Cuba—Fidel Castro—John Kennedy—Alabama’s Air Guard

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=983>

On April 14, 1961, a CIA-backed invasion by 1400 Cuban exiles and a number of American citizens was unsuccessful in its attempt to overthrow Cuban President Fidel Castro. This invasion, is called the “Bay of Pigs” after the name of the bay where it took place. President John F. Kennedy authorized the plan, which was devised during the last months of the Eisenhower administration. Alabama’s Air Guard soldiers participated in the invasion. In this episode, Alabamians talk about the unsuccessful coup, what went wrong, and how the event continues to play a role in U.S. – Cuba relations.

### 3) Marching into History (Selma to Montgomery March) – Civil Rights Movement—March—Martin Luther King Jr.—Alabama History

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=1030>

Jean Jackson, Dr. Fredrick Reese, and others tell the story of Selma in the 1960s during the Civil Rights Movement.

### 4) MG-15 (Korean War)—Korean War—Air Force—War Planes

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=914>

When a young North Korean pilot decides to touch down at a U.S. Air Force base just after the Korean War, he has no idea what the future had in store for him, or even if he would survive. The year was 1953, and Lt. No Kum-Sok was willing to give the Americans – his former enemies – the MiG-15 plane they so desperately wanted to study in exchange for his freedom. Some fifty-five years later, this program traces the events of that defection and where the MiG-15, No Kum-Sok and the Alabama air policeman who befriended him are today.

## Alabama Storyteller’s-----3 DVD’s for purchase

### 1) Sisters of Selma: Bearing Witness for Change (Selma March)-- Civil Rights Movement—March—Martin Luther King Jr.—Alabama History—Catholic Nuns

<http://www.aptv.org/as/Sisters/order.asp>

In 2003, director Jayasri Hart reunited the nuns who visited Selma in 1965 to view themselves and the protests on tape for the first time. Selmians, both Catholic and Protestant, offer their views on the nuns’ contributions to history. A powerful, affirming new story of faith and justice emerges. *Sisters of Selma* is a production of Hartfilms in association with the Independent Television Service and Alabama Public Television. Featuring a Franciscan Sister of Mary, Sisters of St. Joseph of Carondelet, Sisters of St.

Joseph of Rochester, a Sister of the Blessed Virgin Mary, and co-members of the Loretto Community. View the website for video footage and resources. **To view the documentary contact APT e-Learning for a copy.**

**2) Justice Without Violence (Civil Rights Movement)—Civil Rights—Montgomery Boycott—Rosa Parks—Martin Luther King, Jr.—Alabama History** <http://www.aptv.org/as/Boycott/index.asp>

The story of the now legendary Montgomery Bus Boycott of 1955-1956. Locally engineered by the African American community, this nonviolent protest to end bus segregation inspired a new era in freedom and human rights struggles around the globe. Never has a movement so successfully united a group of people across class, gender and age. View this website for a preview of the video and additional resources: **To view the entire video, contact APT e-Learning for a copy.**

**3) WWII Alabama Remembers—World War II—American History**  
<http://www.aptv.org/alabamaww2/index.asp>

The stories of both Alabama soldiers and civilians who were alive during WWII and have poignant memories of the war. View this website to share your own story, watch video clips, and find resources. **To view the entire video, contact APT e-Learning for a copy.**

## **What's Up in Factories-----1 video**

**1) The History of Manufacturing –Industry—Factory—Eli Whitney—Cotton Gin—Henry Ford—Automobile—Kiichiro Toyoda**  
<http://www.aptv.org/factories/viewprogram.asp?ENID=3>

The rise of the factory system and mass production revolutionized manufacturing. Eli Whitney, Henry Ford, and Kiichiro Toyoda devised efficiency processes that made manufacturing what it is today

## **Biz Kid\$----3 videos**

**1) How Do I Get Money—Economics—Money—Jobs**  
<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=967>

Join us and you'll explore many ways to make money. Follow a Biz Kid on a job hunt—reviewing help wanted ads, filling out the application, and going through the interview. Hear from business celebrities, including Amazon.com founder Jeff Bezos, as they talk about their very first jobs. The Biz Kids also look at the many ways kids get and use allowances. Meet a young person whose love of animals turned into a profitable dog-walking business.

**2) What is Money—Economics—Money—Jobs**  
<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=966>

The Biz Kids say: "Show me the money!" Join us and you'll take a grand tour through the history of money from the days of bartering, through the first coins and currency, all the way to the electronic transfers of today. Watch as the Biz Kids put on cowboy boots and get a crash course in the art of negotiation and exchange at a high-energy cattle auction in Colorado.

**3) What is a Biz Kid?—Economics—Money—Jobs**  
<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=965>

You'll learn that anybody can be a Biz Kid with effort and the right attitude. Biz Kids identify a need, make a plan, and take action. Join us and you'll meet a skateboard designer, a rap music producer, a boy who started a rock-a-thon to raise money for hospital rocking chairs, and more. You'll also discover the entrepreneur who built a wildly successful garden products business on ... worm poop. All successful. All Biz Kids.

## **GED Connection----4 videos**

### **1)Themes in US History—History—American**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=265>

Explores key events and themes-such as the nation's multicultural nature-that have made the United States what it is today

### **2)Themes in World History—History—World**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=266>

Major events, inventions, and ideas that have shaped the world and its cultures, from ancient Egypt to the modern Middle East.

### **3)Economics—Economy—Economics**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=267>

Business people and economics teachers explain the basics of money, finance, markets, and commerce.

### **4)Civics and Government—Civics—Government—Laws--Citizenship**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=268>

Explores the foundations and structure of American government and the rights and responsibilities of citizenship.

## **Analyzing a WWII Political Cartoon—Lesson Plan**

<http://www.aptv.org/aptpplus/classroom/lesson.asp?LessonID=5&Name=English%20Language%20Arts&subjectID=500>

Recommended for Freshman to Senior In this activity, you will work with political cartoons. First, you will find out how to "read a political cartoon." Next, you will go to a political cartoon website to find a cartoon to research, analyze and write about. Finding an Alabama connection to the events or ideas in your cartoon will be your last task.

## **Creating a WWII Tour Brochure---Lesson Plan**

<http://www.aptv.org/aptpplus/classroom/lesson.asp?LessonID=4&Name=Social%20Studies&subjectID=1200>

Recommended for Seventh Grade to Senior

You have just been hired as a graphic designer by the Stephen Ambrose Historical Tour Company. Your first assignment is to design travel brochures for their World War II themed tours. The question is-which tour to do first? Find a tour for which you would like to create a brochure by going to the tour company website (listed below in Step 2) and exploring them.

# **Social Studies/Geography**

## **UAB Live in Antarctica Online—1 video**

### **1)Antarctica Online—Continent—Habitat**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=816>

Alabama students held a video conference with the UAB Antarctica Team LIVE FROM ANTARCTICA

## **GED Connection----1 video**

### **1) Geography—Environment—Places—Regions**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=269>

Explores the relevance of geography-from the impact of humans on the environment to how places and regions define our world.

# **Alabama History and Geography**

## **Face to Face-----2 videos**

### **1) Marcus Mabry—Condoleezza Rice—Biography--Famous Alabamians**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=933>

Marcus Mabry, Chief Correspondent at "Newsweek" has written a biography of Secretary of State Condoleezza Rice. The book titled "Twice As Good, Condoleezza Rice And Her Path To Power" looks a Rice's life. Mabry talks about the Birmingham born Rice. He discusses the influences on her life and career.

### **2) Dr. Ed Bridges—Alabama History—Archives**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=871>

Dr. Ed Bridges is the Director of the Alabama Department of Archives and History. Bridges has held the post since 1982. The Alabama Department of Archives and History began in 1901. The oldest state archives in the country it holds most of the items chronicling Alabama's history. Bridges will discuss the role of the Department of Archives and its job of maintaining state records.

## **For the Record---6 videos**

### **1) Bus Boycott—Civil Rights—Montgomery—Bus—Boycott--Rosa Parks**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=640>

The celebration of the yearlong remembrance of the Montgomery Bus Boycott is coming to a close. Activities have been held throughout the year to honor those who participated in the boycott that launched the civil rights movement. As the events come to a close planners discuss the efforts to remind people of the importance of the bus boycott.

### **2) Reverend Robert Graetz on the Bus Boycott—Civil Rights—Montgomery—Bus—Boycott—Rosa Parks**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=521>

Rev. Robert Graetz came to Montgomery in the summer of 1955 to pastor an all-black congregation. Months later, the Lutheran minister would become a part of the Montgomery Bus Boycott. Graetz has written a book on his experiences, "A White Preacher's Message on Race and Reconciliation." He discusses the civil rights movement and will take viewer questions during the live 6:30 broadcast. Call 1-866-552-0025.

### 3)Taylor Branch on Dr. Martin Luther King Jr.—Civil Rights—Montgomery--Martin Luther King Jr.

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=348>

Taylor Branch won a Pulitzer Prize for his book "Parting the Waters: America in the King Years: 1954-1963" on Dr. Martin Luther King, Jr. when the Civil Rights movement began in Montgomery. Branch has completed his third book on King, "At Canaan's Edge: America in the King Years, 1965-68." Branch will discuss the book which also looks at King's final days.

### 4)Celebration Calendar—Civil Rights—Montgomery—bus—Boycott

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=241>

A new calendar remembers the Montgomery Bus Boycott. "Once We Walked" highlights events of the more than year-long protest. The calendar recaps the happenings on a specific day. Mark Sabel, who worked on putting the calendar together, and civil rights attorney Fred Gray, discuss the boycott's history. Viewers can ask questions when they call 1-866-552-0025

### 5)Harvey Jackson III Looks at Alabama History—History—Alabama

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=209>

History Professor Harvey Jackson, III discusses his new book "Inside Alabama: A Personal History of My State." Jackson looks at the major events in the state's history and discusses the impact of those events on Alabama today. Jackson is the Chair of History and Foreign Languages at Jacksonville State University.

### 6)Hank Williams—Biography—Famous Alabamians—Music

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=217>

Paul Hemphill has written a book on country singer Hank Williams. In "Lovesick Blues: The Life of Hank Williams," Hemphill recounts Williams' life from his youth until his death at age 29. Hemphill talks about his motivation for writing the book.

## Alabama Stories----- 4 videos

### 1)Destination: Alabama—Geography—State—Alabama Attractions

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=1102>

Alabama is attracting nationwide attention from tourists! Attractions such as the Alabama Music Hall of Fame, the U.S. Space & Rocket Center and Alabama Adventure amusement park have visitors crossing the state border. Lakia Richardson takes us on a tour of some of Alabama's top vacation destinations.

### 2)Alabama's Olympic Connection—Biography—Famous Alabamians—Sports—Olympics—Soccer

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=1051>

Alabama and the international Olympics are as interlinked as the rings on the Olympic flag. Alabama is home to a multitude of Olympic medalists, and some of the greatest Olympic heroes our country has ever seen. In 1996, Alabama was honored to host some of the summer Olympic games. Legendary Legion Field, often called the "Football Capitol of the South" gave way to the European version of football—soccer. Rhonda Colvin explores ties to the Olympics—past, present and future.

### 3)Alabama Highways and Biways—Transportation--Native Americans--Trails, Rivers, Railroads, Automobiles and Highways

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=954>

This program examines the past, present and future of Alabama's roads and highways. How were they built in the past? Why does it seem that many of them don't necessarily follow the most direct route to their destination? How are the conditions of the roads impacting safety? And, on a lighter note, what does it take to get a road named after someone?

### 4)Rosenwald Schools—Early Schools—African American History—Historical Places

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=953>

This is the unique story of three Notasulga, Ala. structures—a school, a church and a cemetery—that have brought together a community in the hope of having them listed on the National Register of Historical Places. The schoolhouse was one of the first Rosenwald schools built in the south. A "Rosenwald School" was the name informally applied to schools, shops and teachers' homes built primarily for the education of African Americans in the early 20th century. Rhonda Colvin reports.

## **It's a Thick Book-----1 video**

### **1)Alabama Constitution—Law—Alabama History—State Constitution**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=900>

Alabama's Constitution of 1901, the state's current governing document, is the longest such charter on earth. None of the state constitutions from any of the other 49 states even come close. According to Wikipedia, it is twice as long as India's constitution, which is currently the largest national governing document in the world.

## **Historic Inaugural Addresses Online-----4 speeches**

### **Inaugural Addresses –State Government—Governors—Alabama**

#### **History--Speeches**

#### **1)George Wallace**

1975

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=715>

1983

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=716>

#### **2)Fob James**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=717>

#### **3)Don Siegelman**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=718>

#### **4)Bob Riley**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=719>

## **Discovering Alabama-----4 videos**

### **1)Alabama's Black Belt Part 1—Covington County—Conecuh Trail—**

#### **Alabama Life**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=427>

As the modern world becomes increasingly urbanized, there are places that remain largely the way nature crafted. One such place is Alabama's Covington County, still with enchanting forests, crystal-clear rivers, and beautiful countryside. This program overviews Covington County's history and natural appeal as host Dr. Phillips hikes through the county along a portion of the Conecuh Trail. Along the way, viewers hear from local-area biologists, educators, and others who enjoy living in Covington County and are concerned about sustaining a quality future for the county.

### **2)Alabama's Black Belt Part 2—Covington County—Alabama Life**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=449>

Many issues confront the residents of Alabama's Black Belt region, among the more economically depressed areas of the state. Today a host of efforts are being made to examine the region's problems and consider possible solutions to a variety of needs—economic, educational, and social. In this program, viewers visit a sampling of the projects and initiatives under-way to assist the Black Belt. Project representatives, including government officials, university leaders, and local participants, discuss their hopes for the region.

### **3)Alabama Rivers—Water—Rivers—Environment**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=426>

Dr. Doug Phillips takes viewers on a riverboat trip to examine the diversity of streams and rivers that set Alabama apart as a unique realm of freshwater resources. Guest commentary by Dr. E.O. Wilson and other experts provide insights into both the qualities of Alabama's freshwaters and their environmental threats

#### 4) Alabama Wetlands—Water—Wasteland—Environment

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=450>

The term "wetlands" is relatively new. For much of the nation's history wetlands were considered wastelands, and thus frequently drained, polluted, or otherwise altered and ruined. Today, there is new recognition of the many important ecological and economic benefits of wetlands. This video overviews the diversity of wetland resources in Alabama, describes the many values they contribute, and highlights the dilemma of inadequate wetlands protection in the state. Guest experts provide scientific and policy explanations to further clarify wetlands issues.

# Language Arts and Reading

## Alabama Stories-----1 video

### 1) Alabama's Young Writers—Writing—Reading K-3

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=1060>

Once again, the Alabama Stories team joins together to honor the 2008 Young Writers & Illustrators of Alabama. The popular PBS KIDS series Reading Rainbow sponsored its 14th Annual Young Writers & Illustrators contest. The competition is open to children in grades K-3. State winners were selected in each of the grade levels, and the first-place winners will go on to compete on the national level. Alabama Stories was there to capture the excitement, from the gathering of the judging committee (which included author and poet Charles "Father Goose" Ghigna) to the final awards ceremony at the Alabama Book Festival in Montgomery's Old Alabama Town. Meet the generation who will write tomorrow's Alabama stories.

[Download Excerpt of \*Wicked City\* by Ace Atkinks](#)

## Alabama Reading Initiative-----6 videos

### 1) Vocabulary Instruction—Reading—Vocabulary

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=684>

When planning a vocabulary lesson, be sure to select words that provide students with more mature ways to refer to familiar concepts.

### 2) Vocabulary Instruction Part 2—Reading—Vocabulary

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=880>

Part 2. When planning a vocabulary lesson, be sure to select words that provide students with more mature ways to refer to familiar concepts

### 3) Phonemic Awareness Instruction—Reading—Phonemic—Sounds

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=685>

Phonemic Awareness is characterized by the ability of the student to hear, identify, and manipulate sounds in spoken words.

### 4) Phonics Instruction—Reading—Phonics

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=686>

The goal of phonics instruction is the acquisition of the alphabetic principle

### 5) Fluency Instruction—Reading—Fluency

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=687>

A student who has the ability to read text accurately, quickly, and with ease is considered a fluent reader.

## 6) Comprehension Instruction—Reading—Comprehension

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=688>

An explicit comprehension lesson should include direct explanation, modeling, guided practice, and independent application.

## Face to Face-----2 videos

### 1) Randall Williams and Chris Hagler—Reading—Books--Author—Publisher

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=1101>

Publisher Randall Williams and author Chris Hagler

### 2) Novelist Robert Ely—Reading—Books—Author—Alabama

#### Literature

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=860>

The novel Hallelujah, Alabama tells the story of a lawyer in a fictional Alabama town who makes a discovery that could just change the entire state. Robert Ely's novel presents a satirical portrait of Alabama legislators and governors, and although it is a work of fiction, you may recognize the inspiration for some of the characters.

## For The Record----1 video

### 1) Author Mark Childress—Reading—Books—Author—Alabama—Southern Literature—Race Relations

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=691>

Author Mark Childress' new book, "One Mississippi," explores race relations in small southern town. Childress talks about what he hopes readers will learn from the book. He will also talk about the challenges a writer faces and the publishing industry. Also, members of the Selma community hope people we learn about the importance of working together from an event where competitors use teamwork to complete the race

## Workplace Essentials----3 videos

### 1) Process for Writing—Employment—Jobs—Careers—Writing on the Job—Business Writing

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=301>

This episode focuses on the importance of writing in the workplace and using the writing process. Writing in business provides a record that enables billing, payroll payments, and operations. Effective writing must be accurate, well organized and clearly presented. Business writing leaves a paper trail that includes work orders, time sheets, completion reports, and delivery slips. The process for business writing consists of knowing the purpose, the audience, and the format.

### 2) Writing Memos and Letters—Employment—Jobs—Careers—Writing on the Job—Business Letters

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=303>

This episode focuses on the importance of knowing your audience, the purpose of a letter or memo, and which format is appropriate. When a message has been composed it will need to be revised, proofed, and distributed. Each episode is a mix of dramatic scenarios and documentry formatting.

### 3) Reading For a Purpose—Employment—Jobs—Careers—Reading on the Job—Manuals—Documents

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=304>

This episode, "Reading for a Purpose", looks at what people read at work, why they read, and how they use what they read to do their jobs. The documentary section presents people in very different kinds of jobs, such as shippers, pharmacists, and musicians, and what kinds of reading they do every day. People read to get information, learn new skills, and stay informed on new policies. An important factor is the purpose for

reading. It's suggested to skim over long documents or manuals looking for guides or key words to see how the information is organized. There are two stories in the dramatic segments. In one scenario an employee at a music store learns how to string and play guitar by looking in a music book. The second story involves employees at an automotive garage reading pamphlets and parts manuals

## **Profiles With Wendy Garner----2 videos**

### **1)Winston Groom—Alabama—Authors**

<http://www.aptv.org/VideoRoom/viewprogram.asp?FileID=961>

Profiles with Wendy Garner" features an interview with Alabamian Winston Groom, author of "Forrest Gump," "Shrouds of Glory" and many other novels.

### **2)Andy Andrews—Alabama—Authors**

<http://www.aptv.org/VideoRoom/viewprogram.asp?FileID=928>

Wendy is interviewing New York Times bestselling author and motivational speaker Andy Andrews of Orange Beach, Alabama. Andrews, who grew up in Birmingham, turned adversity in his own life into tremendous success and has inspired millions of Americans through his books, public and private lectures, and a PBS television special.

## **GED Connection----11 videos**

### **1)Getting Ideas on Paper—Writing**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=251>

Successful writers and adult learners share ideas on how to get started writing.

### **2)The Writing Process—Writing—3 Steps**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=252>

Outlines a three-step process: generating ideas, writing a rough draft, and revising/editing.

### **3)Organized Writing—Writing—Organization**

Experienced writers offer useful organizing techniques.

### **4)Writing Style and Word Choice—Writing—Style**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=254>

Purpose and audience affect how authors compose various kinds of written pieces.

### **5)Effective Sentences—Writing—Sentences**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=255>

How to write complete and correct sentences and how to correct and improve problem sentences

### **6)Grammar and Usage—Writing—Grammar**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=256>

Reviews typical grammar and usage problems writers encounter.

### **7)Spelling, Punctuation, and Capitalization—Writing—Grammar**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=257>

Tips on how to improve your writing mechanics.

### **8)Non-fiction---Writing—Genre**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=260>

Explores three kinds of nonfiction writing-informational, opinion, and memoir-and illustrates how to get the most out of reading them. Writer Luis Rodriguez reads from Always Running, his memoir about gang life.

### **9)Fiction—Writing--Genre**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=261>

Explores elements of fiction in short stories by Edgar Allan Poe, Flannery O'Connor, and James Baldwin and the contemporary novel Breath, Eyes, Memory by Edwidge Danticat, who reads an excerpt from the book

### **10)Poetry—Writing—Genre**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=262>

Poet Sonia Sanchez reads from her work and shows how to analyze a poem, U.S. Poet Laureate Robert Pinsky introduces the "Favorite Poem Project," and people talk about how poetry can be a powerful means of expression.

### 11)Drama—Writing—Genre—Drama

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=263>

Explores the elements of drama through a play written by an adult learner and goes behind the scenes to see how the written word is translated to the stage

### Reading Rainbow----1 video----12 segments

<http://www.aptv.org/aptpus/digitalmediashow.asp?ConceptID=4>

Each year young people from across Alabama participate in the Reading Rainbow Young Authors contest. Here are highlights from the 2008 award ceremony held in Old Town Montgomery.

**Check out the above link for the 12 award winning books complete with illustrations and readings.**

## Drivers' Education

### Alabama Stories-----2 videos

#### 1)License To Drive—Safety--Driving—Automobile

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=1040>

The earning of a driver's license at the age of 16 is a rite of passage for almost all Alabamians. But for the parents of these new drivers, watching their children leave the house alone with a car can be frightening. Alabama has one of the leading teen-driver fatality rates in the country. Tim Lennox examines the subject of teen drivers, including two bills pre-filed for the state legislative session that would directly affect them.

#### 2)Alabama Highways and Biways— Transportation--Native Americans--

**Trails, Rivers, Railroads, Automobiles and Highways—Safety—**

**Driving—Automobile**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=954>

This program examines the past, present and future of Alabama's roads and highways. How were they built in the past? Why does it seem that many of them don't necessarily follow the most direct route to their destination? How are the conditions of the roads impacting safety? And, on a lighter note, what does it take to get a road named after someone?

## Career Technology

### Alabama Stories-----2 videos

#### 1)Start Up Weekend—Business—Start up

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=920>

In early November, eight teams of entrepreneurs meet to pitch their technology business proposals to a Birmingham business incubator, vying to be chosen as the group to land the funding and then launch its company the next weekend. All of the proposals are Internet-based, and all want to be the "next big thing." Reporter Tim Lennox follows the winning start-up from proposal to launch.

## **2)Taking Off---Mobile—Jobs—Economy**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=1062>

Investment, jobs and money—Mobile and surrounding communities are on the verge of becoming the next “boomtown” in the Gulf South region. A massive steel mill, one of the largest current investments in the county, is currently under construction near southern Alabama’s largest city. Mobile has also landed a key aircraft assembly plant. Chris Newbold examines the effects on the region from this influx of high-paying jobs and the “spin-off” factor.

## **What’s Up in Factories-----4 videos**

### **1)What is Manufacturing?—Industry—Factory**

<http://www.aptv.org/factories/viewprogram.asp?ENID=1>

Manufacturing is the transformation of raw materials into usable products. “Manufacture” is derived from the Latin words *manu factus*, meaning made by hand. Most objects that people use every day are the result of manufacturing.

### **2)The Manufacturing Process—Industry—Factory—Product—Cost**

<http://www.aptv.org/factories/viewprogram.asp?ENID=2>

The manufacturing process involves taking raw materials through a variety of steps to produce a finished product. Efficiency in the manufacturing process correlates directly to the cost of the product to the consumer.

### **3)The History of Manufacturing—Industry—Factory—History**

<http://www.aptv.org/factories/viewprogram.asp?ENID=3>

The rise of the factory system and mass production revolutionized manufacturing. Eli Whitney, Henry Ford, and Kiichiro Toyoda devised efficiency processes that made manufacturing what it is today.

### **4)New Trends in Manufacturing—Industry—Factory—Trends—Lean Production—Japanese Manufacturing**

<http://www.aptv.org/factories/viewprogram.asp?ENID=4>

New Trends in manufacturing include processes such as built-in quality, kaizen and kanban as part of the innovative concept of lean production conceived by Japanese automotive manufacturers.

## **Workplace Essential Skills-----25 videos**

### **1)Orientation—Employment—Jobs—Careers**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=288>

This episode is an overview of the series. Actors who are in the dramatic segments step out of character and talk about the goals of the series, how the series is structured, the role of Literacy Link, and who the series is aimed at. Segments of the documentary portions of the series are intermixed within the episode to exemplify the topics discussed.

### **2)Planning to Work—Employment—Jobs—Careers—Training—Job Hunting**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=289>

This program is a mix of dramatic scenarios and documentary formatting. The dramatic segments look at individuals wanting to improve themselves and get good paying jobs. The documentary portions feature people who have gone through the process of self-evaluation, training, and job searching. The program gives advice on how to set goals, keep a log of employment sources and contacts, and find sources of information that lead to successful employment.

### 3) Matching Skills and Job—**Employment—Jobs—Careers—Skills—Job Counselors**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=290>

The topics in this episode are: What You're Good At - things you enjoy doing can be marketable skills, and use job counselors to narrow your search. Self Management Skills - personal appearance and punctuality are important in your job search. Transferable Skills - abilities in one area of experience can be applied to marketable skills. What Employers Want - discusses job related skills, training, where to look for help, and a phone script can help when calling prospective employers.

### 4) Applying for Jobs—**Employment—Jobs—Careers—Applications—References**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=291>

This episode focuses on understanding and using application forms and processes. The screening process will decide if an applicant moves forward in the hiring process. Applications and references are checked for accuracy. A criminal conviction will not necessarily prevent a person from being hired but lying on a job application is a reason for dismissal.

### 5) Resumes, Tests, and Choices—**Employment—Jobs—Careers—Resumes—Skill Tests—Drug Tests**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=292>

This episode focuses on the importance of your resume, how to prepare a resume, and what to include in the resume. The cover letter is explained and how to incorporate it in your job application. The program also tells about tests that one may be expected to take for typing or dexterity skills. Many employers are asking for drug tests as a prerequisite for employment.

### 6) Interviewing—**Employment—Jobs—Careers—Interviews—Questions**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=293>

This episode focuses on the interview process. An interview is a chance for an employer to see if a job applicant is right for the business and also a chance for the applicant to decide if the job is desirable. The program presents the four main parts of an interview: Opening - where you meet the interviewer and make small talk; Answering Questions - where you try to present your skills and experience in their best light; Asking Questions - where you ask questions you may have about the company; Closing Moves - where you find out what will happen next. Examples of interviews are given and employers talk about what they look for in an interview.

### 7) Ready to Work—**Employment—Jobs—Careers—Responsibility—Promotions**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=294>

The dramatic segment looks at a man starting a new job in the shipping department and his wife who has been offered a promotion to supervisor. The program stresses the fact that employers want people who are reliable, interested in the company's best interests, eager to move upwards in the company, and are willing to take on responsibility.

### 8) Workplace Safety—**Employment—Jobs—Careers—Safety—Job Stress**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=295>

This episode focuses on workplace safety and developing safety-conscious attitudes and skills. The dramatic segment features a husband and wife at their different jobs. The wife is a supervisor on a support team at a medical facility. The team is trying to find ways to keep abreast of special instructions in patient care. One of the team members is hiding the fact he can't read. The husband has started a new job in the shipping department of a business and is learning the ropes. He errs with his first shipment by sending packages that exceed weight restrictions. The documentary segments present people in different industries and the safety issues they face. The two main areas of safety training are prevention and response to accidents. The problems that can arrive from physical or repetitive stress, known as ergonomics, are discussed. Safety is often a matter of teamwork.

## 9) Learning at Work—**Employment—Jobs—Careers—New Jobs—Training**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=296>

This episode focuses on learning at work and shows how to cope with some of the pressures of a new job, how to fill out forms, how to get the most out of training on the job, and how to maintain an attitude that will lead to success. The program is a mix of dramatic scenarios and documentary formatting. The dramatic segment follows a husband and wife in their respective jobs. He is just starting out in the shipping department of a company. She is a supervisor at a medical facility. The topics stressed in the documentary segments are reflected in the dramatic segments.

## 10) Language of Work—**Employment—Jobs—Careers—Communication—Speaking—Listening**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=297>

This episode, entitled "The Language of Work", focuses on effective workplace speaking and listening strategies and skills. Successful communication must be two-way. The speaker has to make the meaning clear and the listener has to understand what the speaker means. It's helpful to ask for feedback from your listeners as you speak because it will let you know if you are making your message clear. The dramatic segment concerns a woman taking her first job as a waitress. She tries to be helpful but because she doesn't listen closely to what others say she finds the job difficult. Her boss and a co-worker help her to see her problem.

## 11) Communicating with Coworkers and Supervisors—**Employment—Jobs—Careers—Communication—Employer—Employee**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=298>

The documentary segment first visits a construction site and presents the flow of communication from the architect down to the carpenters and from the carpenters back to the engineers when problems arise. The next portion looks at how staff members solve problems at a hotel. The program then looks at a broodmare farm and shows how tasks are designated. The dramatic segment shows an office staff exhibiting bad communication skills. Today, learning to work with people from other cultures and backgrounds is becoming part of the job. We can improve our ability to communicate by realizing common goals, focusing on solutions, avoiding blame, and listening attentively to others.

## 12) Working Together—**Employment—Jobs—Careers—Personal Skills—Teamwork**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=299>

This episode focuses on employees working together, how that is defined, qualities of successful teams, and key personal skills and strategies.

## 13) Communicating with Customers—**Employment—Jobs—Careers—Communication—Customers**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=300>

This episode focuses on communicating with customers. It's not enough for a company to offer a good product, it must offer customer satisfaction as well. The program stresses the importance of listening to the customer and fulfilling their needs.

## 14) Process for Writing—**Employment—Jobs—Careers—Writing on the Job—Business Writing**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=301>

This episode focuses on the importance of writing in the workplace and using the writing process. Writing in business provides a record that enables billing, payroll payments, and operations. Effective writing must be accurate, well organized and clearly presented. Business writing leaves a paper trail that includes work orders, time sheets, completion reports, and delivery slips. The process for business writing consists of knowing the purpose, the audience, and the format.

### **15) Supplying Information: Directions, Forms, and Charts—Employment—Jobs—Careers—Business Information**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=302>

This episode is entitled "Supplying Information: Directions, Forms, and Charts" and deals with developing accuracy and completeness. Most workplace writing is filling out forms and supplying short bits of information which is often critical for operations, scheduling, and accounting purposes. The documentary segments present employees at Cook County Hospital and TCI as they explain the importance of the forms they use. The dramatic segments reinforce the importance of correctly transferring business information.

### **16) Writing Memos and Letters—Employment—Jobs—Careers—Writing on the Job—Business Letters**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=303>

This episode focuses on the importance of knowing your audience, the purpose of a letter or memo, and which format is appropriate. When a message has been composed it will need to be revised, proofed, and distributed. Each episode is a mix of dramatic scenarios and documentry formatting.

### **17) Reading For a Purpose—Employment—Jobs—Careers—Reading on the Job—Manuals—Documents**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=304>

This episode, "Reading for a Purpose", looks at what people read at work, why they read, and how they use what they read to do their jobs. The documentary section presents people in very different kinds of jobs, such as shippers, pharmacists, and musicians, and what kinds of reading they do every day. People read to get information, learn new skills, and stay informed on new policies. An important factor is the purpose for reading. It's suggested to skim over long documents or manuals looking for guides or key words to see how the information is organized. There are two stories in the dramatic segments. In one scenario an employee at a music store learns how to string and play guitar by looking in a music book. The second story involves employees at an automotive garage reading pamphlets and parts manuals.

### **18) Finding What you Need : Forms and Charts—Employment—Jobs—Careers—Organized Information**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=305>

This episode demonstrates how charts and forms are used to organize information on the job, and make it easy to use. Forms are used to guide employees in doing a job. Many forms are on computer and tied to databases. The episode contains two dramatic segments. The first shows an employee at a music store going through an order form for a customer buying a customized guitar. The second segment presents two people in an car repair shop using graphs to analyze an engine and charts to find correct replacement parts. The documentary segments show a variety of people using charts and forms in such businesses as medical registration and scheduling, shipping and receiving, a broodfarm, and studio musicians recording multiple tracks of music.

### **19) Following Directions—Employment—Jobs—Careers—Instructions—Diagrams**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=306>

This episode focuses on the role and importance of following directions, presents a variety of and some special features of instructions. Instructions tell how to do things and diagrams show how things are put together. The episode shows how people can expand their ability to work by following directions. Real job situations featured include computerized inventory and pricing, processing work orders, machine maintenance, hair styling products and procedures, prosthetic limb manufacture, and product display in a retail store. There are two dramatic themes that exemplify the documentary segments. The first dramatic segment presents two women developing a job plan to open a day care center. The second dramatic line shows men on a construction site involved with problem solving and using blueprint diagrams.

## **20) Reading Reports and Manuals—Employment—Jobs—Careers— Reading Reports—Information**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=307>

This episode deals with reading reports and manuals, their usage, organization, and how to develop comprehension skills. An employee needs to keep informed of policies and practices at work. This often means reading memos and postings. It is important to not only keep up with what's new but go beyond and know how to find necessary information independently. It is advised to use summaries and indexes to quickly find information in large reference sources. The dramatic segments of the episode deal with two women who are setting up a day care center and a construction crew use blueprints to problem solve.

## **21) Number Sense—Employment—Jobs—Careers—Math Skills**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=308>

This episode demonstrates the variety of uses for basic math skills in the workplace and how to develop math skills. The program uses documentary footage and dramatic sequences to demonstrate the topics under discussion. The documentary segment looks at various jobs such as a baker, a file clerk, a road grader, a chef, and a grocery clerk. The dramatic portion of the episode shows a phone company customer service representative calm an angry caller whose bill has increased, and a woman starting in a doctor's office as she learns a number-based filing system.

## **22) Solving Problems—Employment—Jobs—Careers—Math Skills-- Problem Solving**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=309>

The topic of this episode is solving problems using addition, subtraction, multiplication, and division. Problem solving is the ability to make careful choices, such as how much, how many or is there a better way to do something. Frustration can arise if a person faces a problem but doesn't know how to solve it. The program recommends the following steps: understand the problem; gather the facts; set up the problem; estimate what the outcome should be; work the mathematics and check the answer. Estimates are also very useful in problem solving and examples are supplied. The documentary segments look at workers in a bakery, people dealing with wildlife, musicians, and people in a shipping department. The dramatic segments present two scenarios. One deals with a bookstore employee trying to buy velvet ribbon to make bookmarks with a fixed amount of money. The second story line deals with a restaurant manager affording an order of strawberries needed by the chef.

## **23) Fractions, Decimals, and Percents—Employment—Jobs—Careers— Math Skills—Ratios—Rates—Proportions**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=310>

This episode looks at how fractions, decimals, and percentages are used in the workplace, along with ratios, rates, and proportions. Employees will find that they need to calculate discounts, combine measurements, and change recipe amounts. The documentary segments look at a baker having trouble with a recipe, musicians in a recording studio, and a woman laying out displays in a retail store. The dramatic segments show a bookstore employee learning how to give discounts on a sale, and a secretary in a doctor's office solves a scheduling problem.

## **24) Measurements and Formulas—Employment—Jobs—Careers—Math Skills—Estimate—Measure**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=311>

This episode focuses on measurements, using formulas, different units of measurement, and presents a variety of appropriate applications. It helps to picture the size of an object in a problem situation. Calculations and formulas should give the necessary answers but it's good to double check that the answers are reasonable. The documentary segments feature carpenters and construction workers as they estimate and measure different jobs, a baker converting amounts into different quantities, a tool and die apprentice working with very exacting measurements, and people who are now starting to convert standard US measurements into the metric system. The first dramatic segment presents a nurse in a doctor's office who is learning to use the metric system and record a patient's health record. The second dramatic segment concerns a woman trying to figure out if there is enough storage room for a large order she may purchase.

## 25) Trends and Predictions: Graphs and Data—Employment—Jobs—Careers—Math Skills—Inventory—Production

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=312>

This episode looks at data that businesses collect and how that data is used to make decisions concerning inventory, pricing, sales, and production. Tracking data helps keep profits up and costs down. The documentary segments look at ways that data is presented, and at the importance of evaluating data. For data to be useful it must be collected accurately and displayed clearly. Graphs and charts are used to display the collected data to show trends or activities. The dramatic segment presents a customer service representative for a phone company who learns that he needs to improve in certain areas of work. He improves his performance after following advice from a coworker who helps him see trends in product purchases

## Face to Face-----1 video

### 1) Rosalie Lane—Employment—Jobs—Careers—Job Hunting—Promotions

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=1094>

There is a dire need for viable programs that address job strategies for tough times. The Alabama Cooperative Extension Systems ETP project "Work Force Preparation (WFP): Finding and Securing Employment" responds to this need. County Extension agents, specialists, and community workers will present educational and training support to workers who are seeking opportunities for employment advancement.

## For the Record----1 video

### 1) Training Alabama Workers---- Employment—Jobs—Careers—Job Hunting

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=373>

Ed Castile is the head of the Alabama Industrial Training Development. The agency works to prepare citizens for employment around the state. Castile will discuss effort to produce a quality workforce and he will also take viewer questions when they call 1-866-552-0025

## Biz Kid\$----3 videos

### 1) How Do I Get Money—Economics—Money—Jobs

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=967>

Join us and you'll explore many ways to make money. Follow a Biz Kid on a job hunt—reviewing help wanted ads, filling out the application, and going through the interview. Hear from business celebrities, including Amazon.com founder Jeff Bezos, as they talk about their very first jobs. The Biz Kids also look at the many ways kids get and use allowances. Meet a young person whose love of animals turned into a profitable dog-walking business.

### 2) What is Money—Economics—Money—Jobs

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=966>

The Biz Kids say: "Show me the money!" Join us and you'll take a grand tour through the history of money from the days of bartering, through the first coins and currency, all the way to the electronic transfers of today. Watch as the Biz Kids put on cowboy boots and get a crash course in the art of negotiation and exchange at a high-energy cattle auction in Colorado.

### 3) What is a Biz Kid?—Economics—Money—Jobs

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=965>

You'll learn that anybody can be a Biz Kid with effort and the right attitude. Biz Kids identify a need, make a plan, and take action. Join us and you'll meet a skateboard designer, a rap music producer, a boy who started a rock-a-thon to raise money for hospital rocking chairs, and more. You'll also discover the entrepreneur who built a wildly successful garden products business on ... worm poop. All successful. All Biz Kids.

# **Early Childhood-Pre K and Elementary Education**

## **Going to School Online-----9 videos**

### **1)Going to School—Education—Early Childhood—Brain Development—Parents**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=313>

The information in this guide is based on the research of Drs. Craig and Sharon Ramey and others who have studied for many years how children develop. Recent research on brain development has confirmed that learning takes place even before a baby is born. This same research supports the fact that a child's first and most influential teachers are her parents. This section describes how adults in a child's first months and years can be the best teachers to a most willing pupil.

### **2)The Seven Essentials—Education—Early Childhood—Preparing for School**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=314>

Parents are often overwhelmed with information on what to do for their child and when to do it. This section introduces parents and others who are important in the life of a child to the seven essentials that Drs. Craig and Sharon Ramey developed based on their research on how best to prepare children for going to school.

### **3)Encourage, Mentor, Rehearse—Education—Early Childhood—Learning—Parents**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=315>

Mentoring, encouraging and rehearsing are three of "The Seven Essentials" that this section examines more closely. All three are actions parents and other important people in the life of a child can practice as part of establishing a love to learn.

### **4)Guide and Limit, Protect and Celebrate—Education—Early Childhood—Discipline—Parents**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=316>

Knowing when to "put your foot down" and when to give children some "space" is one of the most difficult things parents have to wrestle with throughout childhood and adolescence.

### **5)Parents, Families, and Schools—Education—Early Childhood—Elementary—Learning—School—Parents**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=317>

When a child enters school, his family enters school right along with him. While it is possible for a child to succeed in school without parent involvement, it is not very likely. The daily conversations with children as to what they thought about the books they read in class, or the way they felt when someone broke in line," make them realize their family is interested in their day.

### **6)How to Prepare for Big School—Education—Early Childhood—Elementary—Learning—School—Parents**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=318>

The first day of "big school" is one filled with excitement and possible anxiety for a child AND the parents! In preparation for the BIG day, parents and extended family members should make sure all the details have been handled so starting school is as stress free as possible. This episode identifies specific things that can be accomplished in the months and weeks leading up to school entry, so the first day is one that will go smoothly and be filled with happiness for the entire family.

## **7) Teachers and Friends: Academic and Social Sides of School— Education—Elementary—Learning—Schools—Parents**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=319>

In today's school, expectations of what children are to know have been extended, and this has created pressures for teachers, children and parents. Young children are expected to show more initiative in solving problems and to think of new ways of doing things. In this way, school has become more academically challenging and interesting. Although children are accomplishing more at an earlier age, educators and parents have an obligation to keep what children experience fun and enjoyable.

## **8) Language: The Key to Learning—Education—Elementary—Learning— Language**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=912>

The information in this guide is based on the research of Drs. Craig and Sharon Ramey and others who have studied for many years how children develop. Recent research on brain development has confirmed that learning takes place even before a baby is born. This same research supports the fact that a child's first and most influential teachers are her parents. This section describes how adults in a child's first months and years can be the best teachers to a most willing pupil.

## **9) Your Unique Child—Education—Elementary—Learning—Self**

### **Concept**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=321>

Parents are lucky to see their child grow and become an individual, not a carbon copy of anyone, but a unique person. Looking at a child's strengths can be a way to help him improve weaknesses. Appreciating children for who they are and not trying to make them into what parents would like for them to become is key to fully recognizing the miracle of each one's individuality.

## **Spotlight on Education----- 1 video—5 segments**

### **1) When Should a Child Start School?—School—Preschool—Discipline— Day Care**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=1028>

This spotlight on education segment includes discussions about Pre-K education—when it should begin, what makes high quality pre-k, where it is located, what is taught in a quality pre-k, and discipline in the pre-k environment.

### **Quality Pre-K in Alabama—5 segments**

The video above has been broken down into 5 segments with additional resources. It is located in the Digital Media Concept Library. Check out the links below to the 5 segments.

#### **When Should Children Begin Formal Education?**

<http://www.aptv.org/aptplus/digitalmediadetail.asp?ConVidID=30>

This Spotlight on Education clip features Dr. Marquita Davis of the Office of School Readiness and Linda Tilly of Voices for Alabama's Children discussing Alabama's national rated quality Pre-K programs and which children are eligible for this service.

#### **What Makes a High Quality Pre-K Program?**

<http://www.aptv.org/aptplus/digitalmediadetail.asp?ConVidID=31>

This Spotlight on Education clip features Dr. Marquita Davis of the Office of School Readiness and Linda Tilly of Voices for Alabama's Children discuss what makes a quality Pre-K program. Footage of an Alabama Pre-K program is also included.

#### **Where Are the Quality Pre-K Programs Located?**

<http://www.aptv.org/aptplus/digitalmediadetail.asp?ConVidID=32>

This Spotlight on Education clip features Dr. Marquita Davis of the Office of School Readiness and Linda Tilly of Voices for Alabama's Children discussing where quality Pre-K programs are located in our state. Quality Pre-K programs may be located in child care centers, faith based sites, or school settings.

## **What Do 4 Year Olds Learn in a Quality Pre-K Program?**

<http://www.aptv.org/aptpplus/digitalmediadetail.asp?ConVidID=33>

This Spotlight on Education clip features Dr. Marquita Davis of the Office of School Readiness and Linda Tilly of Voices for Alabama's Children discussing what instruction in a quality Pre-K is like. They discuss how children learn through play, stories, songs, and communication. Video examples of morning meeting time and center time from area Pre-K programs are included.

## **Discipline in a Pre-K Program**

<http://www.aptv.org/aptpplus/digitalmediadetail.asp?ConVidID=34>

Discipline in the 4 year old preschool involves activities that help young children develop self control. Positive discipline is used to assist children in learning to self discipline so an adult is not constantly telling them what is the right thing to do. Good communication between adults and children will often eliminate some inappropriate behaviors. Children should be allowed to talk about their feelings. Redirecting children and giving them a different activity in which to engage will often end undesirable behavior. Preschoolers need to see adults modeling appropriate behavior in different circumstances. This Spotlight on Education clip features Dr. Marquita Davis of the Office of School Readiness and Linda Tilly of Voices for Alabama's Children discussing discipline in a Pre-K classroom. Teachers are trained to recognize behaviors in 4 year olds that signal whether they are acting out due to something physical such as being tired or hungry or whether they are acting out due to a situation that needs to be addressed.

## **Alabama Reading Initiative-----6 videos**

### **1)Vocabulary Instruction—Reading—Vocabulary**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=684>

When planning a vocabulary lesson, be sure to select words that provide students with more mature ways to refer to familiar concepts.

### **2)Vocabulary Instruction Part 2—Reading—Vocabulary**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=880>

Part 2. When planning a vocabulary lesson, be sure to select words that provide students with more mature ways to refer to familiar concepts

### **3)Phonemic Awareness Instruction—Reading—Phonemic—Sounds**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=685>

Phonemic Awareness is characterized by the ability of the student to hear, identify, and manipulate sounds in spoken words.

### **4)Phonics Instruction—Reading—Phonics**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=686>

The goal of phonics instruction is the acquisition of the alphabetic principle

### **5)Fluency Instruction—Reading—Fluency**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=687>

A student who has the ability to read text accurately, quickly, and with ease is considered a fluent reader.

### **6)Comprehension Instruction—Reading—Comprehension**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=688>

An explicit comprehension lesson should include direct explanation, modeling, guided practice, and independent application.

## **For the Record----1 video**

### **1)Pre-Kindergarten Conference—Education—Early Childhood—Pre K**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=389>

# Fine Arts Education

## APT Online Specials-----1 video

### The Art World Has Something to Say—Visual Arts—African Americans

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=888>

This show revolves around discussions of the APT produced Mr. Dial Has Something to Say and deals with contributions of black artists. This video also includes a music segment written for Mr. Dial Has Something to Say and can be used to lead a discussion of music and artistic expression. I

A panel discussion of questions raised in the documentary Mr. Dial Has Something To Say, including "What is art?" and "What constitutes artistic expression?" Viewers can call in questions and offer their own thoughts on art.

Mr. Dial Has Something to Say—to view the Documentary contact APT e-Learning contacts for a copy. Below is a link to the Taina Art Gallery in Montgomery mentioned in the program The Art World Has Something to Say

<http://www.tainasartgallery.com/index.html>

## Alabama's Storyteller-----4 videos---4 DVDs

### 1)Mr. Dial Has Something to Say --Visual Arts—African Americans

<http://www.aptv.org/as/MrDial/index.asp>

View this link for additional information and resources including a trailer of the video.

### 2)Thornton Dial --Visual Arts—African American—Biography

<http://www.aptv.org/as/Thornton/index.htm>

This site has additional information on Thornton Dial

### 3)The Quiltmakers of Gee's Bend—Visual Arts—African American – History

<http://www.aptv.org/as/GeesBend/index.asp>

This one-hour high-definition film documents a group of internationally-acclaimed black quiltmakers from Gee's Bend, Alabama. Their work has been hailed by Michael Kimmelman of The New York Times as "some of the most miraculous works of modern art America has produced." The Quiltmakers of Gee's Bend explores the extraordinary lives, inspirations, and history of these artists, and also follows them on a poignant and sometimes very comical bus journey to see their quilts exhibited at The Milwaukee Art Museum.

**View this website for a preview of the video and additional resources:**

<http://www.aptv.org/as/GeesBend/aboutfilm.asp>

To view the original documentary, contact APT e-Learning for a copy.

### 4)Alabama Ballet: The Making of Romeo and Juliet—Performing Arts—Ballet—Shakespeare

<http://www.aptv.org/as/Ballet/index.asp>

This one-hour documentary takes viewers behind the scenes as the internationally-renowned Alabama Ballet interprets William Shakespeare's classic story of star-crossed lovers . Over six weeks, Alabama Public Television's cameras captured days of extreme fatigue, tension and frustration, in addition to very humorous moments, as the dancers

prepared an infamously arduous piece. The film culminates in a thrilling and emotional performance set to Prokofiev's score.

Visit the website for film previews and resources:

To view the entire video, contact APT e-Learning for a copy.

## **Face to Face-----1 video**

### **1)Arts Council Director Al Head----Art---Alabama--Exhibits**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=747>

Al Head is the Executive Director of the Alabama State Council on the Arts. Head talks about the work of the Arts Council. He will also discuss funding art programs around the state. He explains efforts to get a diversity of types of art exhibits for Alabamians. The arts council recent awarded more than half a million dollars in grants for advancement of the arts in Alabama.

# **Mathematics**

## **Workplace Essential Skills-----5 videos**

### **1)Number Sense—Math Skills—Workplace—Jobs**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=308>

This episode demonstrates the variety of uses for basic math skills in the workplace and how to develop math skills. The program uses documentary footage and dramatic sequences to demonstrate the topics under discussion. The documentary segment looks at various jobs such as a baker, a file clerk, a road grader, a chef, and a grocery clerk. The dramatic portion of the episode shows a phone company customer service representative calm an angry caller whose bill has increased, and woman starting in a doctor's office as she learns a number-based filing system.

### **2)Solving Problems—Math Skills—Workplace—Problem Solving—Jobs**

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=309>

The topic of this episode is solving problems using addition, subtraction, multiplication, and division. Problem solving is the ability to make careful choices, such as how much, how many or is there a better way to do something. Frustration can arise if a person faces a problem but doesn't know how to solve it. The program recommends the following steps: understand the problem; gather the facts; set up the problem; estimate what the outcome should be; work the mathematics and check the answer. Estimates are also very useful in problem solving and examples are supplied. The documentary segments look at workers in a bakery, people dealing with wildlife, musicians, and people in a shipping department. The dramatic segments present two scenarios. One deals with a bookstore employee trying to buy velvet ribbon to make bookmarks with a fixed amount of money. The second story line deals with a restaurant manager affording an order of strawberries needed by the chef.

### 3) Fractions, Decimals, and Percents—Math Skills—Workplace—Ratios—Ratios—Proportions—Jobs

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=309>

This episode looks at how fractions, decimals, and percentages are used in the workplace, along with ratios, rates, and proportions. Employees will find that they need to calculate discounts, combine measurements, and change recipe amounts. The documentary segments look at a baker having trouble with a recipe, musicians in a recording studio, and a woman laying out displays in a retail store. The dramatic segments show a bookstore employee learning how to give discounts on a sale, and a secretary in a doctor's office solves a scheduling problem.

### 4) Measurements and Formulas—Math Skills—Workplace—Calculations—Formulas—Jobs

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=311>

This episode focuses on measurements, using formulas, different units of measurement, and presents a variety of appropriate applications. It helps to picture the size of an object in a problem situation. Calculations and formulas should give the necessary answers but it's good to double check that the answers are reasonable. The documentary segments feature carpenters and construction workers as they estimate and measure different jobs, a baker converting amounts into different quantities, a tool and die apprentice working with very exacting measurements, and people who are now starting to convert standard US measurements into the metric system. The first dramatic segment presents a nurse in a doctor's office who is learning to use the metric system and record a patient's health record. The second dramatic segment concerns a woman trying to figure out if there is enough storage room for a large order she may purchase.

### 5) Trends and Predictions: Graphs and Data—Math Skills—Workplace—Data—Jobs

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=312>

This episode looks at data that businesses collect and how that data is used to make decisions concerning inventory, pricing, sales, and production. Tracking data helps keep profits up and costs down. The documentary segments look at ways that data is presented, and at the importance of evaluating data. For data to be useful it must be collected accurately and displayed clearly. Graphs and charts are used to display the collected data to show trends or activities. The dramatic segment presents a customer service representative for a phone company who learns that he needs to improve in certain areas of work. He improves his performance after following advice from a coworker who helps him see trends in product purchases.

## GED Connections-----12 videos

### 1) Number Sense—Math—Number Problems

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=276>

Explores the language of math and how you can use logic and common sense to make number problems more manageable

### 2) Problem Solving—Math—Word Problems

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=277>

A process for solving basic math and word problems, either single- or multi-step

### 3) Decimals—Math—Decimals

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=278>

Reviews how to read decimal numbers, calculate with them, and solve everyday problems involving decimals.

### 4) Fractions—Math—Fractions

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=279>

What fractions represent, how to judge the relative sizes of different fractions, calculating with them, and solving everyday fraction problems

### 5) Ratio, Proportion, and Percent—Math—Ratio—Proportion--Percent

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=280>

Explores how and why people use ratios, proportions, and percentages to compare numbers and solve problems.

## 6)Measurement—Math—Measurement—English—Metric—Perimeter—Area

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=281>

A variety of uses for measurement, how to calculate in the English and metric systems, and how to solve for the perimeters and areas of various shapes.

## 7)Formulas—Math—Formulas

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=282>

Shows how people use formulas in some practical situations and reviews commonly used formulas.

## 8)Geometry—Math—Geometry—Terms—Angles—Triangles

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=283>

Reviews geometry terms, basic properties of angles and triangles, and methods for solving a variety of geometry problems.

## 9)Data Analysis—Math—Data—Mean—Median—Mode—Charts—Graphs—Statistics

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=284>

Defines mean, median, and mode and shows how to organize data on charts and graphs and analyze statistical trends

## 10)Statistics and Probability—Math—Statistics—Chance—Probability

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=285>

Shows how statistics are gathered and used and explores the basics of chance and probability.

## 11)Introduction to Algebra—Math—Algebra—Concepts—Properties—Equations

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=286>

Explores basic algebraic concepts and properties and shows how to write and solve equations.

## 12)Special Topics in Algebra and Geometry—Math—Relationships—Coordinate Plane

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=287>

Explores patterns in math and in the real world and shows how mathematical relationships can be plotted on the coordinate plane.

# Technology

## For the Record-----1 video

### 1)Technology in Schools—Technology—State Department of Education-Schools—Students

<http://www.aptv.org/VIDEOROOM/viewprogram.asp?FileID=242>

The Alabama Department of Education is looking at how technology is impacting state K-12 schools. During the entire week, the Department of Education will introduce people to how technology can help in teaching students

## Using the National Educational Technology

### Standards for Students----- set of standards per grade level

<http://www.aptv.org/aptpplus/classroom/lesson.asp?LessonID=6&Name=Information%20Literacy&subjectID=800>