



**DREAM FLIGHT
ADVENTURES**

Inspiring the world to think and dream

Enrichment Materials

Resources for deeper inquiry and advanced students

We ignite imaginations, blur the line between entertainment and education, and let dreams take flight.



The following third-party resources are recommended as enrichment materials for gifted or advanced students.

Antecedents to the American Revolution

Videos

Wide variety of American Revolution video clips at History.com.

<http://www.history.com/topics/american-revolution/videos#american-revolution>

One dozen American Revolution videos at Mr. Nussbaum.com.

<http://mrnussbaum.com/amrevolution/videos/>

American Revolution Video Index: broad video collection with great written summaries.

<http://www.kidport.com/reflib/usahistory/americanrevolution/Video/AmericanRevVideoIndex.htm>

Websites

Interactive American Revolution timeline activity.

<http://www.neok12.com/diagram/American-Revolution-01.htm>

Fun and light online games with an American Revolution theme.

<http://www.libertyskids.com/fungames.html>

Eyewitness account of the Boston Tea Party by George Hewes

<http://www.historyplace.com/unitedstates/revolution/teaparty.htm>

Additional Instructor Resources

Group activity where students play the roles of Native Americans, Parliament, Loyalists, and Colonists.

http://www.proteacher.org/org/a/75636_Social_Studies_should_be_fun.html



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Collection of lessons and activities relating to the American Revolution.

http://www.mce.k12tn.net/revolutionary_war/American_revolution.htm

Discovery Education Revolutionary War lesson plan for grades 6-8.

<http://www.discoveryeducation.com/teachers/free-lesson-plans/the-revolutionary-war.cfm>

Biofuels and Alternative Energy

Videos

The Guardian: Algae pushed as next big thing in biofuels

<http://www.guardian.co.uk/environment/video/2012/mar/22/algae-next-big-biofuels-video>

National Defense Education Project: Biofuel webisode

<http://www.ndep.us/Biofuel>

Sci (Discovery.com) Biofuel clip

<http://science.discovery.com/video-topics/gadgets-and-tech/ecopolis-biofuel.htm>

Articles

National Geographic: Biofuels, the Original Car Fuel

<http://environment.nationalgeographic.com/environment/global-warming/biofuel-profile/>

NPR: Scientist Discovers Fungus That Could Fuel A Car

<http://www.npr.org/templates/story/story.php?storyId=96574076>

Scientific American: Using Plants Instead of Petroleum to Make Jet Fuel

www.scientificamerican.com/article.cfm?id=using-plants-instead-of-petroleum-to-make-jet-fuel



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Websites

Games and activities about renewable energy.

<http://www.kidsenergyzone.com/>

Interactive experiment with various forms of renewable energy.

http://www.glencoe.com/sites/common_assets/science/virtual_labs/CT13/CT13.html

Biomass Energy.

<http://www.alliantenergykids.com/EnergyandTheEnvironment/RenewableEnergy/022398>

Additional Instructor Resources

Lesson plan exploring renewable energy: wind, solar, biomass, geothermal, and hydropower.

<http://www.kidsenergyzone.com/images/data/files/Teacher%20Lesson%20Plans/RenewableEnergyLessonPlan.pdf>

Rights and Responsibilities of Citizens

Websites

Lesson plan where students create a graphic organizer that diagrams rights and responsibilities at our different levels of citizenship.

<http://www.icivics.org/teachers/lesson-plans/citizen-me>

USHistory.org Chapter: Rights and Responsibilities of Citizens

<http://www.ushistory.org/gov/10a.asp>



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Additional Instructor Resources

Activities at BrainPop Jr.

<http://www.brainpopjr.com/socialstudies/citizenship/rightsandresponsibilities/grownups.weml>

Just a Spoonful of Rights Makes the Responsibility Go 'Round

<http://learningtogive.org/lessons/unit44/lesson3.html>

We the People: The Citizen and the Constitution

<http://www.civiced.org/index.php?>

[page=Lesson_21_What_Responsibilities_Accompany_Our_Rights_Student_Book](http://www.civiced.org/index.php?page=Lesson_21_What_Responsibilities_Accompany_Our_Rights_Student_Book)

Consent of the Governed

Videos

Constitutional Principles: Consent of the Governed

<http://www.youtube.com/watch?v=-pDcYF64rs>

Websites

Democracy Web: The Consent of the Governed: Essential Principles

<http://www.democracyweb.org/consent/principles.php>

Additional Instructor Resources

PBS.org: The Theory of the American Founding, Part Two: Why Government by Consent?

<http://www.pbs.org/georgewashington/classroom/theory2.html>



Electromagnetic Radiation and Interference

Videos

Assignment Discovery: Electromagnetic Waves and Light.

<http://videos.howstuffworks.com/discovery/29406-assignment-discovery-electromagnetic-waves-and-light-video.htm>

Websites

NASA: Intro to the Electromagnetic Spectrum.

http://missionscience.nasa.gov/ems/01_intro.html

Simple graphic depicting wave interference.

kids.britannica.com/comptons/art-53869/If-the-crests-and-troughs-of-one-wave-overlap-those

Science News for Kids article: Understanding electromagnetic radiation

<http://www.sciencenewsforkids.org/2008/04/understanding-electromagnetic-radiation/>

Electromagnetic interference: Why can't I use my cell phone in airplanes or hospitals?

<http://www.howstuffworks.com/question230.htm>

Additional Instructor Resources

Discovery Education: The Electromagnetic Spectrum, Waves Of Energy

<http://www.discoveryeducation.com/teachers/free-lesson-plans/the-electromagnetic-spectrum-waves-of-energy.cfm>

Making Waves with the Electromagnetic Spectrum: Lesson Plan for Grades 9-12

http://www.teachersdomain.org/resource/phy03.sci.phys.energy.lp_emspect/



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Bacterial Hibernation & Dormancy

Videos

BBC: Bacteria survive nearly three years on the Moon

<http://www.bbc.co.uk/learningzone/clips/bacteria-survive-nearly-three-years-on-the-moon/9931.html>

Bacterial growth

<http://www.sciencekids.co.nz/videos/biology/bacteria.html>

Websites

Pictures, game, and video collection about microorganisms

<http://www.neok12.com/Microorganisms.htm>

Interactive bacteria puzzle quiz

<http://kids.nationalgeographic.com/kids/games/puzzlesquizzes/quizyournoodle-bacteria/>

Additional Instructor Resources

Virus and bacteria lesson plans and materials

<http://science.lotsoflessons.com/viruses.html>

Discovery of Education: Introduction to Bacteria lesson plan for grades 6-8

<http://www.discoveryeducation.com/teachers/free-lesson-plans/introduction-to-bacteria.cfm>