



**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.

## **Spanish Conquistadors and the Aztec Civilization**

### **Videos**

History.com: *The Aztecs*

<http://www.history.com/topics/aztecs/videos#the-aztecs>

*Guns, Germs, and Steel*

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

### **Websites**

The Fall of the Aztec Empire

<http://www.aztec-history.com/fall-of-the-aztec-empire.html>

### **Additional Instructor Resources**

Discovery School — Cortes and the Aztecs: A Lesson in Leadership, grades 9-12

[http://streaming.discoveryeducation.com/teacherCenter/lessonPlans/pdfs/9-12\\_SocialStudies\\_CortesAndTheAztecsALessonInLeadership.pdf](http://streaming.discoveryeducation.com/teacherCenter/lessonPlans/pdfs/9-12_SocialStudies_CortesAndTheAztecsALessonInLeadership.pdf)

PBS.org — Cortes and the Aztecs: Different Views of the World

<http://www.pbs.org/opb/conquistadors/teachers/pdf/unit1.pdf>

Discovery Education — Conquest of the Americas, grades K-5

<http://www.discoveryeducation.com/teachers/free-lesson-plans/conquest-of-the-americas.cfm>

The Conquest of the Aztec Civilization, grades 9-12

[http://www.outreachworld.org/Files/florida\\_internatl\\_u/ConquestofAztecCivilization.pdf](http://www.outreachworld.org/Files/florida_internatl_u/ConquestofAztecCivilization.pdf)



## **Anatomy and Physiology**

### **Videos**

Abirami & Magic Box: Learn about Human Body Parts For Kids - Introduction

<http://www.youtube.com/watch?v=0nKz81R327w>

Abirami & Magic Box: Learn about Human Body Parts For Kids - Heart

<http://www.youtube.com/watch?v=gxUNxvsG7lc>

Abirami & Magic Box: Learn about Human Body Parts For Kids - Skeleton

<http://www.youtube.com/watch?v=gmV8z0G2pv4>

### **Websites**

Online Blood Typing Game

<http://www.nobelprize.org/educational/medicine/bloodtypinggame/index.html>

Discovery — Human Body: Pushing the Limits interactive games and media

<http://dsc.discovery.com/tv/human-body/human-body.html>

National Geographic — Human Body interactive media

<http://science.nationalgeographic.com/science/health-and-human-body/human-body/>

### **Additional Instructor Resources**

Variety of anatomy class activities for grades 3-5

<http://teachers.net/lessons/posts/1185.html>

Collection of anatomy links for teachers and kids

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



## Immune, Circulatory, and Lymphatic Systems

### Videos

KidsHealth.org video introduction to the immune system

<http://kidshealth.org/kid/htbw/ISmovie.html>

Disease Detectives: Chance To Grow Up

<http://videos.howstuffworks.com/health/immune-system-videos.htm>

Appu Series — Learn Human Body - Immune System

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

Animated introduction to the Lymphatic System

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

Circulatory System: Bill Nye on the Heart (two part series)

Part 1: <http://www.youtube.com/watch?v=GbttJ-5do9M>

Part 2: <http://www.youtube.com/watch?v=RiYOul7iyp8>

### Websites

KidsHealth.org introduction to the Immune System

<http://kidshealth.org/kid/htbw/immune.html>

Simple but thorough introduction to the Immune System

<http://www.cyh.com/HealthTopics/HealthTopicDetailsKids.aspx?p=335&np=152&id=2402>

### Additional Instructor Resources

Immune System lesson plan, grades 4-5

<http://www.squidoo.com/immune-system-lesson-plan>



## Viruses and Viral Reproduction

### Videos

National Geographic — Health: Virus Crisis

[video.nationalgeographic.com/video/science/health-human-body-sci/health/virus-crisis-sci/](http://video.nationalgeographic.com/video/science/health-human-body-sci/health/virus-crisis-sci/)

NPR — Flu Attack! How A Virus Invades Your Body

<http://www.youtube.com/watch?v=Rpj0emEGShQ>

Beauty of Nature - Viruses

<http://www.youtube.com/watch?v=A409yO-G1Mk>

### Websites

KidsBiology.com — Viruses - The Sixth Kingdom?

[http://www.kidsbiology.com/biology\\_basics/virus/virus\\_1.php](http://www.kidsbiology.com/biology_basics/virus/virus_1.php)

Kids Wanna Know: What is a Virus?

<http://www.uskidsmags.com/blog/2011/03/21/adc-what-is-a-virus/>

National Geographic — History News: How Flu Viruses Attack

<http://video.nationalgeographic.com/video/news/history-archaeology-news/swine-flu-overview-vin/>

### Additional Instructor Resources

Discovery Education — Understanding Viruses lesson plan, grades 9-12

<http://www.discoveryeducation.com/teachers/free-lesson-plans/understanding-viruses.cfm>

PBS.org — Secrets of the Dead: Identifying Viruses

[http://www.pbs.org/wnet/secrets/previous\\_seasons/lessons/lp\\_virus.html](http://www.pbs.org/wnet/secrets/previous_seasons/lessons/lp_virus.html)



## Scientific Method

### Videos

Virus-Vector Entertainment — The Scientific Method for Kids

<http://www.youtube.com/watch?v=GUGFzQ4hZO8>

Teaching the Scientific Method to K-5th graders

<http://www.youtube.com/watch?v=2Afo1dmoPNs>

### Websites

Science In Action: Scientific Method for Kids

<http://www.science-fair-projects-and-more.com/scientific-method-for-kids.html>

Science Kids overview of the scientific method

<http://www.sciencekids.co.nz/projects/thescientificmethod.html>

Reasoning in Science

[http://www.biology4kids.com/files/studies\\_scimethod.html](http://www.biology4kids.com/files/studies_scimethod.html)

### Additional Instructor Resources

Scientific Method lesson plan

<http://chemistry.about.com/od/k12gradelessons/a/Scientific-Method-Lesson-Plan.htm>

Teacher Feature: *MythBusters*: Scientific Inquiry

<http://school.discoveryeducation.com/teachers/myth-busters/>

BrainPop Jr. Activities

<http://www.brainpopjr.com/science/scienceskills/scientificmethod/grownups.weml>

Collection of anatomy links for teachers and kids

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





## Acidity, Temperature, and Pressure

### Videos

Chem for Kids: Acids and Bases

<http://www.youtube.com/watch?v=rHRoCyAc4YI>

Stuff to Blow Your Kid's Mind: Atmospheric Pressure

<http://videos.howstuffworks.com/howstuffworks/51302-stuff-to-blow-your-kids-mind-atmospheric-pressure-video.htm>

Make Me Genius — Temperature

<http://www.youtube.com/watch?v=W5teyd8srp8>

Make Me Genius — Thermometer: Measuring Temperature

[http://www.youtube.com/watch?v=0E46TN0rK\\_Y](http://www.youtube.com/watch?v=0E46TN0rK_Y)

### Websites

Chem4Kids.com — Acids and Bases Are Everywhere

[http://www.chem4kids.com/files/react\\_acidbase.html](http://www.chem4kids.com/files/react_acidbase.html)

Science Buddies — Acids, Bases, & the pH Scale

[www.sciencebuddies.org/science-fair-projects/project\\_ideas/Chem\\_AcidsBasespHScale.shtml](http://www.sciencebuddies.org/science-fair-projects/project_ideas/Chem_AcidsBasespHScale.shtml)

BrainPop — pH

<http://www.brainpop.com/science/matter/ph/preview.weml>

### Additional Instructor Resources

Measuring pH as it Relates to Water Quality — Grade 5 Science pH Activity

<https://www.teachingchannel.org/videos/measuring-ph-science-activity>



## **Prolonged Isolation and Disease Resistance**

### **Videos**

The Economist — Resistance to antibiotics: The spread of superbugs

<http://www.economist.com/node/18483671>

Center for Disease Control and Prevention: Dangerous Creatures – A Visit To The CDC Insectary

<http://www.cdc.gov/cdctv/>

Center for Disease Control and Prevention: Quarantine and Isolation

<http://www.cdc.gov/quarantine/>

### **Additional Instructor Resources**

PBS.org — Evolution and Antibiotic Resistance

<http://www.pbs.org/wgbh/evolution/educators/lessons/lesson6/act1.html>