Enrichment Materials

Resources for deeper inquiry and advanced students

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

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

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=gxUNxvsG7Ic

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=RiYOuI7iyp8

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/

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

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

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

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

Websites

Chem4Kids.com — Acids and Bases Are Everywhere
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

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