



**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.

World War I History

Videos

History.com — U-Boats Sink the Lusitania in 1915

<http://www.history.com/topics/lusitania/videos#u-boats-sink-the-lusitania-in-1915>

Student-made, BrainPOP-inspired video by 4th & 5th graders from Port Orange, Florida

http://www.brainpop.com/video_tutorials/lusitania/

Websites

PBS.org — Court of Inquiry into The Lusitania Sinking

http://www.pbs.org/lostliners/t_blame.html

Quiz Game — Death Ship: The Lusitania

<http://www.funtrivia.com/trivia-quiz/World/Death-Ship---The-Lusitania-149466.html>

Additional Instructor Resources

Lusitania Inquiry Lesson Plan

<http://academics.uww.edu/cni/degrees/secnded/ss/plan/10/docs/Inquiry%20Lesson%20Plan%20-Lusitania.pdf>

Inquiry Lesson: Why Did the United States Enter World War I?

<http://academics.uww.edu/cni/degrees/secnded/ss/plan/10/docs/Inquiry%20Lesson%20Plan-Why%20Did%20the%20United%20States%20Enter%20World%20War%20I.pdf>



Marine Biology

Videos

MarineBio Ocean Channel

<http://marinebio.org/gallery/video/#.UN8l64njm1N>

Animal Planet: Best of Ocean Life

<http://animal.discovery.com/tv-shows/wild-kingdom/videos/wild-kingdom-ocean-life.htm>

Websites

NeoK12: Presentations, puzzles, quiz games, and videos about marine animals

<http://www.neok12.com/Marine-Animals.htm>

Discovery.com — Blue Planet videos, puzzles, news, and sea maps

<http://dsc.discovery.com/tv/blue-planet/blue-planet.html>

National Geographic: Ocean Life

<http://ocean.nationalgeographic.com/ocean/ocean-life/>

Additional Instructor Resources

National Geographic: Education — Are Sharks As Dangerous As We Think They Are?

http://education.nationalgeographic.com/archive/xpeditions/lessons/14/g35/dangershark.html?ar_a=1

Marine Biology Lesson Plans

<http://www.ugglug.com/marinelessonplans.html>

University of Arizona: Marine Discovery K-12 lesson plans

<http://marinediscovery.arizona.edu/lessons.html>



Metric Weights and Measures

Videos

Mammoth School: The Metric System

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

Teaching Metric Conversions to Kids: Centimeter to Millimeter

www.ehow.com/video_12219638_teaching-metric-conversions-kids-centimeter-millimeter.html

NeoK12 videos: Measurements

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

Websites

Gamequarium.org — Measurement and conversion games

http://www.gamequarium.org/dir/Gamequarium/Math/Metric_System/

OnlineMathLearning.com — Measurement games

<http://www.onlinemathlearning.com/measurement-games.html>

Additional Instructor Resources

The Science Spot — Metric Mania Lesson Plans

<http://sciencespot.net/Pages/classmetric.html>

BetterLesson.com — Metric Conversion

<http://betterlesson.com/lesson/24919/metric-conversions>

Discovery Education: A Metric World

<http://www.discoveryeducation.com/teachers/free-lesson-plans/a-metric-world.cfm>



DREAM FLIGHT ADVENTURES

Inspiring the world to think and dream

Sonar

Videos

National Geographic: Scientists "See" Ocean Floor via Sonar

video.nationalgeographic.com/video/news/environment-news/us-ocean-floor-mapping-vin/

PBS Kids — Design Squad: Submarine Sonar

http://pbskids.org/go/video/pid=j0F37yRleX8kTFd24c9pTqgZp_IALFXC

Websites

EPA BOLDkids — Onboard Equipment

<http://www.epa.gov/boldkids/scienceonboard.html>

Exploratorium — How does sonar work?

<http://www.exploratorium.edu/theworld/sonar/sonar.html>

eHow — How does sonar work?

http://www.ehow.com/how-does_4567005_sonar-work.html

History of Sonar

http://inventors.about.com/od/sstartinventions/a/sonar_history.htm

Additional Instructor Resources

Sonar Classroom Activities

http://www.ehow.com/info_7879441_sonar-classroom-activities.html

US Navy Museum lesson plan — How Does Sonar Work? Mapping the Ocean Floor

http://usnavymuseum.org/Education_LP0011.asp

NOAA — Side Scan Sonar lesson plan, grades 7-8

oceanexplorer.noaa.gov/explorations/03portland/background/edu/media/portlandping.pdf



**DREAM FLIGHT
ADVENTURES**

Inspiring the world to think and dream

Classic Literature: 20,000 Leagues Under the Sea

Videos

"20,000 Leagues Under the Sea" (1954) Trailer

<http://www.youtube.com/watch?v=Xhyuey4xU3Q>

Websites

Study Guide: Twenty Thousand Leagues Under the Sea by Jules Verne

[http://thebestnotes.com/booknotes/20000_Leagues_Verne/
Twenty_Thousand_Leagues_Under_The_Sea_Study_Guide02.html](http://thebestnotes.com/booknotes/20000_Leagues_Verne/Twenty_Thousand_Leagues_Under_The_Sea_Study_Guide02.html)

Additional Instructor Resources

20,000 Leagues Under the Sea literature unit resources

<http://www.easyfunschool.com/20000LeaguesIntro.html>

Depth and Pressure

Videos

NASA Sci Files — Ocean Odyssey - Ocean Pressure

<http://www.youtube.com/watch?v=4HmGf4ch-S0>

Websites

NOAA — Pressure increases with ocean depth

<http://oceanservice.noaa.gov/facts/pressure.html>



DREAM FLIGHT ADVENTURES

Inspiring the world to think and dream

Additional Instructor Resources

Pressure Exploration Activity

http://www.marine.ie/NR/rdonlyres/DFC2CF28-1E6C-43F0-BD5F-2F7890292A30/0/ELessonPlan_WhatisPressure.pdf

BBC — Pressure Under Water activity plan

http://downloads.bbc.co.uk/schools/teachers/bang/bang_tp_pressure_under_water.pdf

Turning Points in History

Videos

History's Turning Points documentary

<http://topdocumentaryfilms.com/historys-turning-points/>

Websites

National Archives: Turning Points

<http://www.archives.gov/education/history-day/turning-points/index.html>

NASA: What Are Turning Points in History, and What Were They for the Space Age?

<http://history.nasa.gov/sp4801-chapter2.pdf>

Additional Instructor Resources

Turning Points in American History lesson plans, by time period and grade level

http://www.turningpointsinamericanhistory.org/lesson_categories.php



**DREAM FLIGHT
ADVENTURES**

Inspiring the world to think and dream

Oceanography

Videos

Assignment Discovery: Mathematics of an Ocean Wave

<http://videos.howstuffworks.com/science/oceanography-videos.htm>

Discovery News — Cool Jobs: Oceanographer

<http://news.discovery.com/videos/cool-jobs-cool-jobs-oceanographer.html>

Websites

KidsKonnnect.com — Oceanography

<http://www.kidskonnnect.com/subjectindex/15-educational/science/93-oceanography.html>

Kids.gov — Oceanographer

<http://kids.usa.gov/watch-videos/videos/oceanographer/index.shtml>

Learning the Zones of the ocean using an oil spill

http://marinediscovery.arizona.edu/lessons/brittle_stars/Templates/index.html

Additional Instructor Resources

National Geographic Education — We're in Hot Water Now: Hydrothermal Vents

<http://kids.usa.gov/watch-videos/videos/oceanographer/index.shtml>