

Third Grade Social Studies Unit Eight

ANTARCTICA

3.63	*Create a multimedia presentation of social studies stories about explorations to Antarctica; add drawings or other visual displays to stories or accounts of experiences when appropriate to clarify ideas, thoughts, and feelings. (C, G)
3.64	Use timelines and historical passages to summarize the history of a region including events, inventions/inventors, artists, writers, and political figures. (C, H, P) Suggestions are: James Clark Ross, Richard E. Byrd, and South Magnetic Pole.
3.65	*Conduct a short research project to examine the Antarctic Treaty. (P)
3.66	Explain why there are only temporary residents found on Antarctica and the impact the physical environment and its natural resources have on how basic needs are met. (G)
3.67	*Read and interpret information about the impact of people on the environment. (G)
3.68	Identify McMurdo Station. (G)

UNIT EIGHT – ANTARCTICA

Time Frame - 2 Weeks

Compiled by: Kathy Long and Crystal Turner

Essential Questions	What is the Antarctic Treaty? Why was it written? How was Antarctic discovered? What is McMurdo Station?
Vocabulary	desert, continent, research station, explorer, expedition, peninsula, historical, Magnetic Pole, treaty, impact, pollution, toxic, atmosphere, gradual, extinct
Literature	“Can you Survive Antarctica?” RL 3-4, Harcourt 3 rd grade “Antarctic Ice” and “Diary of a Very Short Winter Day”/Compare and Contrast two stories about Antarctica. Genre: nonfiction and poem. Harcourt book 2, lesson 21 on smartboard. See attached resources
Informational Text	Myon “Spotlight on Antarctica”, Myon “Rescue in Antarctica”, Readworks.org passages “Climates Global Warming”/Lexile 840, “Recycling and Conservation Global Warming”/770, “Meet the Emperors” /Modified for SPED https://www.readworks.org/passages/mountains-oceans-world%E2%80%99s-oceans http://www.usap.gov/videoclipsandmaps/mcmwebcam.cfm http://en.wikipedia.org/wiki/McMurdo_Station http://astro.uchicago.edu/cara/vtour/mcmurdo/ http://quest.arc.nasa.gov/antarctica/background/NSF/mc-stay.html

Video	hcoeondemand (Bill Nye; other videos on Antarctica) Web Cams at McMurdo Station
Writing	Students conduct a short research project on the Antarctic Treaty and/or create a timeline of Antarctic explorers, Students will create journal entries and imagine that they are living at McMurdo Station and describe their day.
Research (if applicable)	Work in small groups and independently research the Antarctic Treaty and develop a timeline of Antarctic explorers.
Pre - Assessment	Give students vocabulary terms/explorers and have them circle what they know. Have them write a sentence about each.
Assessment (Choose 1) Task/Project Writing	Present a research based PowerPoint on Antarctica, Treaty, or explorers (pairs or small groups) Research Report on chosen topic, Readworks passage questions, Vocabulary assessment Write about researched topic of choice using attached graphic organizer. Write a report from the perspective of an explorer- how would you prepare for your trip? How would you get there? What would you explore? What would you see in your surrounding? What would you need to survive in Antarctica?
Higher Level Questions	What could happen if the Earth continues to get warmer? What are some activities people in a community could do to protect the environment and the atmosphere? If Antarctica gets warmer and the ice melts, what would happen to the penguins? Why? How does the author organize the information in this passage? Do you think that humans are mostly to blame for global warming? Why or Why not? Why would you use the word desert to describe Antarctica? How/When was Antarctica discovered? What problems occurred when discovering Antarctica? How do explorers find resources on Antarctica? How long can people stay in Antarctica? Why? What kind of environmental factors affect this? What natural resources can be found on Antarctica? How do people affect the environment? Explain the importance of the McMurdo Station? When was the Antarctic Treaty created? Signed? Who signed the treaty? What is the treaty's purpose? Compare and contrast Antarctica with North America?

Common Core Standards

Reading Standards for Literature	RL3.1, RL3.4, RL3.6, RL3.7, RL3.9, RL3.10
Reading Standards for Informational Text	RI.3.1, RI3.2, RI3.3, RI3.4, RI3.5, RI3.7, RI3.8, RI3.10
Writing Standards	W3.4, W3.5, W3.6, W3.7, W3.8, W3.10
Speaking/Listening Standards	SL3.1, SL3.2, SL3.3, SL3.4, SL3.6
Language Standards	L3.1, L3.2, L3.3, L3.4, L3.6
Attachments	
Maps	http://www.usap.gov/videoclipsandmaps
Pictures	www.astro.chicago.edu/cara/vtour www.nationalgeographic.com www.factsforkids.net/Antarctica www.webquest.com www.coolantarctica.com (PowerPoint on Antarctica with leveled choices and teacher lesson plans with medication for special needs, main stream and gifted and talented) www.lonelyplanet.com Timeforkids.com picture of McMurdo Station
Texts	http://readworks.org , http://www.sagor.hc.edu.tw/files/oclassroom/grade3/ebooks/languagearts/book2/lesson21.pdf www.timeforkids.com http://www.enchantedlearning.com
Videos	www.hcboe.net (videos on demand) PBS video- Ship in Antarctica
Lessons	-Ku-prism.org The Polar Region: Antarctica Proteacher Social Studies Unit Units.miamioh.edu Antarctic Lesson Plans-Cross Curricular Lessons

Research Graphic Organizer
and PowerPoint Tips

<http://www.jumpstart.com/common/report-writing-3-4-view> (GO for research report)
<http://www.teachervision.com/> (PowerPoint Tips)