



Instructional Objective(s):

Students will be able to:

1. Identify ways in which National Parks are studying climate change.

Prerequisite Concepts and Skills:

Vocabulary

Dependent on NPS topics discussed

Prerequisite Concepts

National Park Service background information

Materials and Resources

Procedure 7.1 on setting up Skype/Facetime/Google+ Hangout with a webcam (NPS provided)
Pencil and notebook paper for taking notes (teacher provided)

Lesson Activities: 40 min

Teacher Activities	Student Activities	Time:
Introduction: 1. Provide students with some background information on National Parks (what they are, where they are, their mission)	1. Listen.	5 min
New Content: 1. Review the process that NPS sites go through to take action on climate change: they must monitor and collect data to see what's happening and then	1. Participate in discussion. 2. Watch presentation and ask questions of NPS staff.	5 min 25 min

decide on proactive steps that they can take to help reverse it. 2. Virtual visit (see procedure 7.1 about setting up a visit; if a visit isn't possible see extension activities section).		
Wrap-up: 1. Exit ticket question: Write at least three sentences about how National Parks are studying climate change.	1. Quick write.	5 min

Organizational and/or Behavioral Management Strategies:

Assessment and Evaluation:

Extensions:

If you aren't able to schedule a virtual field trip, play students an NPS podcast or video on climate change instead.

Watch a presentation from a National Park to show students how NPS sites are studying climate change:

Podcast- *Devil's Postpile National Monument: Cold Air Pooling*

<http://www.nps.gov/depo/photosmultimedia/videos.htm>

Video- *Rocky Mountain National Park: Pika research*

<http://news.nationalgeographic.com/news/2009/09/090904-pika-in-peril-missions-video-wc.html>

Video – *Great Smokey Mountains National Park: Phenology and Citizen Science*

http://nature.nps.gov/multimedia/CCRP_Phenology1/index.cfm

Adaptations:

Teacher Reflections: