Lesson 3. Activity 2 Climate Change

Activity 2 Nasa climate change inquiry lab

<https://pmm.nasa.gov/education/lesson-plans/climate-change-inquiry-lab>

Climate Change Inquiry Labs - Teacher Guide Lesson Overview:

Students will conduct labs investigating the drivers of climate change, including adding carbon dioxide and other greenhouse gases to the atmosphere, sea level rise, and the effect of decreasing sea ice on temperatures. They will become experts on one of these areas, conduct their own experiments and connect them to real-world data, and then make posters to present their findings to the class. Expected time to complete: One 45-60 minute period to complete labs, one to two 45 minute periods to create and present posters (depending on whether posters are completed in class or as homework, and if presentations are done as a gallery walk or orally).

◊ This lesson plan can be used as an introduction, supplement or substitute for the GPM Climate Change Online Interactive Lesson. Learning Objectives: • Students will investigate aspects of climate change’s drivers by conducting experiments and reporting back on what they have learned.

Select most useful parts

See ppt: Activity 2 climate change inquiry pp.ppt

3 groups

* You will be divided into groups to each investigate a different aspect of climate change.
  + Melting Ice and Sea Level Rise
  + Carbon Dioxide and Air Temperature
  + Sea Ice and Ocean Temperature
* As the experiments run, you will have the chance to research additional information about your topic.
* Afterward, you will create a poster explaining what is happening in your experiment, and the broader picture of what is happening with climate change.