We have created a guide to get you started. This is designed to be a starting point that can be tweaked to your individual style/needs. Included in the general plan are the standards/access points, vocabulary, key questions and links to a variety of resources including tutorials, informational text, videos, experiments and sample activities. All of the links in this file are live and clicking on the standard will take you directly to C-Palms.

PowerPoints for Global Climate Change:

Visual Vocabulary [Click here](http://accesstoflsresources.weebly.com/uploads/2/3/7/3/23739164/6.__global_climate_change_visual_vocab.pptx)

Key Questions [Click here](http://accesstoflsresources.weebly.com/uploads/2/3/7/3/23739164/6.__global_climate_change.essential_questions.pptx)

*Drafted by Sarasota County Teachers Dawn Byrne, Jeremy Johnson and Elizabeth Lewis, piloted 2016-17 in 5 classes and general education content review by Betsy Summerlee.*

|  | Global Climate Change |
| --- | --- |
| **Unit/Topic Standard** | [SC.912.E.7.7:](http://www.cpalms.org/Public/PreviewStandard/Preview/1899) Identify, analyze, and relate the internal (Earth system) and external (astronomical) conditions that contribute to global climate change.  [SC.912.E.7.8:](http://www.cpalms.org/Public/PreviewStandard/Preview/1900) Explain how various atmospheric, oceanic, and hydrologic conditions in Florida have influenced and can influence human behavior, both individually and collectively. |
| **Access Points** | [SC.912.E.7.In.7:](http://www.cpalms.org/Public/PreviewAccessPoint/Preview/8250) Recognize that global climate change is related to conditions in the atmosphere and oceans.  [SC.912.E.7.Su.7:](http://www.cpalms.org/Public/PreviewAccessPoint/Preview/8251) Recognize that global climate change occurs over a long period of time.  [SC.912.E.7.Pa.4:](http://www.cpalms.org/Public/PreviewAccessPoint/Preview/8244) Recognize that weather (climate) is different in different locations.  [SC.912.E.7.In.8:](http://www.cpalms.org/Public/PreviewAccessPoint/Preview/8252) Describe how atmospheric and hydrologic conditions, such as hurricanes, drought, wildfires, and sinkholes, affect human behavior.  [SC.912.E.7.Su.8:](http://www.cpalms.org/Public/PreviewAccessPoint/Preview/8253) Identify how weather and water conditions affect humans in Florida.  [SC.912.E.7.Pa.5:](http://www.cpalms.org/Public/PreviewAccessPoint/Preview/8247) Recognize the weather conditions, including severe weather, in Florida. |
| **Vocabulary** | Climate, global change, volcanic dust, air pollution, acid rain, global warming, greenhouse effect, greenhouse gases, fossil fuels, aerosols, aerosol effects, deforestation, flash floods, flood, drought, wildfires, energy alternatives, conservation, migration |
| **Key Concepts** | * What is Global Climate Change? * What is Global Warming? * What is the Greenhouse Effect and How Does it Affect the Biosphere? * What are Greenhouse Gasses and How Do They Affect Climate? * What are the Causes of Global Warming? * Can Global Warming Be Reversed? |
| **References** | * Global Climate Change video 9 minutes: [Click Here](https://www.youtube.com/watch?v=Zpu7IZcdzXE) * Interactive game on the greenhouse effect: [Click Here](https://www3.epa.gov/climatechange/kids/basics/today/greenhouse-effect.html) * Interactive web site on greenhouse effect: [Click Here](http://environment.nationalgeographic.com/environment/global-warming/gw-overview-interactive/) * Interactive article : [Click Here](http://www.bloomberg.com/graphics/2015-whats-warming-the-world/) * Interactive global warming effects map: [Click Here](http://environment.nationalgeographic.com/environment/global-warming/gw-impacts-interactive/) * Learn about global warming solutions that are rated by their effectiveness and likelihood of being put into practice.: [Click Here](http://www.informationisbeautiful.net/visualizations/extreme-global-warming-solutions-currently-on-the-table/) * How sinkholes form: [Click Here](http://www.cpalms.org/Public/PreviewResourceUrl/Preview/56711) * Lesson plan on sinkholes: [Click Here](http://www.cpalms.org/Public/PreviewResourceLesson/Preview/71528) |