

## NASA Modules on PBS Learning

### Grades 6 - 8

#### **Module 1 - Weather & Climate - Link [HERE](#)**

- This module could correlate with the following Standards:
  - **NC 6.L.2.3** Summarize how the abiotic factors (such as temperature, water, sunlight, and soil quality) of biomes (freshwater, marine, forest, grasslands, desert, Tundra) affect the ability of organisms to grow, survive and/or create their own food through photosynthesis.
  - **NC 7.E.1.2** Explain how the cycling of water in and out of the atmosphere and atmospheric conditions relate to the weather patterns on earth.
  - **NC 7.E.1.4** Predict weather conditions and patterns based on information obtained from: Weather data collected from direct observations and measurement (wind speed and direction, air temperature, humidity and air pressure). Weather maps, satellites and radar Cloud shapes and types and associated elevation
  - **NC 7.E.1.5** Explain the influence of convection, global winds and the jet stream on weather and climatic conditions.
- The module includes 9 video segments focused on the Pacific Northwest and covers two 45 minute periods. It requires a computer with internet connection and has an interactive feature. A summary of each part of this module can be found [HERE](#)

#### **Module 2 - The Story of Earth - Link [HERE](#)**

- This module could correlate with the following Standards:
  - **NC 6.E.2** Understand the structure of the earth and how interactions of constructive and destructive forces have resulted in changes in the surface of the Earth over time and the effects of the lithosphere on humans.
  - **NC 8.E.2** Understand the history of Earth and its life forms based on evidence of change recorded in fossil records and landforms.
- The module includes 10 video segments focused on Earth's History and covers two 45 minute periods. It requires a computer with internet connection and has an interactive feature. A summary of each part of this module can be found [HERE](#)

### Grades 9-12

#### **Module - Weather & Climate - Link [HERE](#)**

- This module could correlate with the following Standards:
  - **NC EEn.2.3** Explain the structure and processes within the hydrosphere.
  - **NC EEn.2.6** Analyze patterns of global climate change over time.
- The module includes 8 video segments focused on Earth's Climate and covers two 45 minute periods. It requires a computer with internet connection and has an interactive feature. A summary of each part of this module can be found [HERE](#)