
Overview:

In his “Climate Changes Your Health” lecture at Bowling Green State University, WTOL meteorologist Ryan Wichman differentiates climate from weather.

Summary:

In “Climate and Weather,” Meteorologist Ryan Wichman explains the differences between long-term changes in climate and short-term changes in weather. He also discusses Toledo’s 2017 climate statistics compared to years past. This local data reveals that temperatures and moisture levels in the atmosphere are increasing relative to previous decades.

ODE 9-12 STANDARD: Science; Course, Environmental Science; Topic 1, Earth Systems: Interconnected Spheres of Earth, Topic 2, Earth’s Resources, Topic 3, Global Environmental Problems and Issues

Discussion Questions:

1. Based on what you know from the video, do you think temperatures will rise sooner in this coming year than in previous years? What about in five years? Fifty years?
2. What type of weather events might result from increasingly warm and damp climate?
3. In what ways does weather impact natural disasters?
4. Can you predict ways in which weather and climate can impact your health? The economy? Other areas of life?

Activity:

Hurricanes and Climate Lesson: <https://scied.ucar.edu/activity/hurricanes-and-climate>

Resources:

Climate Change Indicators: <https://www.epa.gov/climate-indicators/weather-climate>

NASA: Climate Versus Weather:

https://www.nasa.gov/mission_pages/noaa-n/climate/climate_weather.html

