

NWS Des Moines, IA Project Based Learning:

Chart Typical Weather Conditions Across the World

Project Overview:

Represent data in tables and graphical displays to describe typical weather conditions expected during a particular season

Standards:

- **3-ESS2-1:** Obtain and combine information to describe climates in different regions of the world

Objectives:

- Use multiple sources to gather information about:
 - Climates in different regions of the world
 - Variations in climate of different regions of the world
- Combine the information to make predictions about typical weather in that region
- Describe/communicate this information

Requirements/Task(s):

- Make a bar graph activity- world data
- Make a bar graph activity- world-Iowa comparison
- Present your findings (with slides presentation or text report)

Resources

- NWS Jetstream: [Global climate sub-divisions](#) (Website)
- NWS Jetstream: [U.S. Climate Divisions](#) (Website)
- NCDC: [U.S. map divided by region](#) (printable .pdf)
- [NCDC: Regional Time-Series Plot](#) (Website)
- Iowa Dept of Agriculture: [Recent Climatology Maps](#) (Website)
- [NWS Des Moines: Local Preliminary Monthly Data- CF6](#)
 - (Note: 1. Select the second bubble “Preliminary Monthly Climate Data; 2. Choose your city; 3. Choose your desired month/year)
- NASA: [What is an Urban Heat Island](#) (Website)
- CPC: [Main Page](#) (Website)