NWS Des Moines, IA Project Based Learning:

Chart Typical Weather Conditions in Your Area

Project Overview:

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

Standards:

- **3-ESS2-1:** Represent data in tables and graphical displays to describe typical weather conditions expected during a particular season.

Objectives:

- Use table, chart, and graph to organize data by season
  - Weather condition data across multiple seasons
  - Weather conditions from across different areas/regions
- Identify patterns of weather conditions
  - Seasons (cold & dry, hot & wet)
  - Different areas/regions
- Write out climate/season-based weather predictions based on observed patterns.

Requirements/Task(s):

- Make a bar graph activity
- Make a regional bar graph activity

Resources

- 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)