

EDUCATION – POSTER #57

**Communicating Climate Change Science to K-12 Students through Data-Driven Lessons.**

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Data from the Nevada Climate Change Portal (NCCP) was used to create three lessons on climate science, two of which were adapted for use by both middle school and high school students. The lessons covered the topics of: 1) reading and interpreting a climograph, 2) relative humidity and temperature, and 3) the relationship between vegetation zones, temperature, and precipitation. Climographs created for seven data-collection sites along both the Sheep Range and Snake Range transects were used in both the Climograph Investigation lesson and, along with images of vegetation zones from the NCCP, the Transect Vegetation Zone Investigation. A graph of temperature and relative humidity vs. date over an eight-day period in June of 2012 was created for the Air Temperature and Relative Humidity Investigation. Feedback on these lessons was gathered from inservice secondary teachers during the 2012 EPSCoR Summer Institute in southern Nevada and from preservice elementary teachers in Nevada State College science methods classes. Adaptations of these lessons for elementary school students are planned.