

Earth and Space Science

For Secondary Teachers

at Harris County Department of Education Science Center
Science Center, 6300 Irvington, Houston

Topography and Satellite Images

December 4, 2014

For 8th grade science teachers

Explore hands on activities on topographic maps and use satellite images to create a list of criteria to identify geologic and erosional features in images. Includes a variety of formative assessment strategies . Addresses TEKS 8.9C

Moon Mania: Lunar Phases and Tides

January 14, 2015

For 8th grade science teachers

Use observations of the Moon's changing appearance and hands-on activities to build an understanding of the lunar cycle. Explore kinesthetic models of the moon's phases and of tides. Discover common student misconceptions and formative assessments. Addresses TEKS 8.7 (B and C).

Weather and Climatic Interactions

February 5, 2015

For 6 & 8th grade science teachers

Use data-rich activities and hands-on demonstrations to investigate thermal energy transfers and the role of the Sun in convection, winds, and currents; identify how patterns of atmospheric movement influence weather; and examine the role of oceans in forming hurricanes. Includes a variety of formative assessment strategies. Addresses TEKS 8.10 (A, B, C) and touches on 6.9 (A,B)

Our Celestial Neighborhood

February 11, 2015

For high school astronomy teachers

Explore our place in space—the relationships and scales of the solar system, Milky Way, and our universe; examine the characteristics and life cycles of stars, and the variety and properties of galaxies. Addresses Astronomy TEKS 6, 11, 13.

Fee: \$30/day (includes extensive presentation materials, reference materials, hands-on lesson plans for the classroom, refreshments, and lunch)

Register online: <http://wms.hcde-texas.org>

For registration assistance, please contact Liliana Maldonado (713) 696-1306.