

Earth and Space Science

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

Patterns in the Sun, Earth, and Moon Systems

Sept. 29, 2011 For 4th and 5th grade teachers

Compare the characteristics of the Sun, Earth, and Moon, and explore the patterns of their motions through hands-on activities. Use tools to collect observations, and predict the changing patterns in the seasons, phases, tides, and more. Addresses TEKS 4.8 (C), 5.8 (C, D).

Stars and Galaxies

Oct. 12, 2011 For 8th grade and High School Astronomy teachers

Discover how astronomers study the stars, nebulae, and galaxies that make up the Universe! Create classification diagrams, explore the properties of light, and model the scale of our Galaxy through a variety of hands-on activities. Addresses TEKS 8.8 (A,B,C,D), and High School Astronomy TEKS 11 (A,D,E, F, G), 12 (A,B,C).

Cracking Up:

Plate Tectonics and the Structure of the Earth

Oct. 20, 2011 For 6th and 8th grade teachers

Model the structural layers of the Earth, investigate the data that led to the theory of plate tectonics, and discover the relationship between plate tectonics and earthquakes, volcanos, and mountains, through data analysis and hands-on activities. Addresses TEKS: 6.10 (A, B, C, D) and 8.9 (A, B).

Rock On!

Plate Tectonics, Earth's Interior, Volcanism, and Igneous Rocks

Nov. 30- Dec. 1, 2011 For High School ESS teachers

Explore the evidence and history behind Earth's plate tectonics and how it relates to Earth's interior, volcanic activity, and the variety of igneous rocks we find on our planet. Addresses high school Earth and Space Science TEKS 9(B,C), 10 (A,B,C,D,E,F).

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.