Selected Labs and Activities -- Astronomy

Sun Path
"Sun Path" (submited by S. Ornstein)
"Sun Path Applet"
"Seasonal Changes in the Sun's Path" (submitted by C. Burrows)

Day and Night
"Length of a Shadow" (submitted by T. McGuire)
"Astronomy with a Stick" (NSTA)
"Day Into Night" (NSTA)

Seasons
"Reasons for Seasons" (submitted by Heather Krieger)
"Sun Path Changes" (submitted by Charles Burrows)
"Angle of Insolation" (submitted by P. McQuaid)

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Latitude and Longitude
"Using Latitude and Longitude" (submitted by M. Heilbrun)
"Determining Latitude" (submitted by T. McGuire)

Models of the planets
"Models of the Planets" (submitted by L. Kowalsky)
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Moon Phases
"Orbits and Phases of the Moon" (submitted by S. Kluge)
"Moon Motions" (submitted by H. Krieger)

Tides
"Plotting a Tidal Curve"

Orbits
"Ellipses" (submitted by T. Conner)

Relative distances, sizes and ages of celestial objects compared to Earth
"Cosmic Survey: How Big? How far? How old?"

Luminosity and temperature of stars
"The Hertzsprung-Russell Diagram" (submitted by S. Russell)

Is the Sun an average star?
"Is the Sun an average star?" (submitted by T. McGuire)

Doppler Effect - Red Shift
"Modeling the Doppler Effect"

Many of these and other are linked through Dave Robison's "STANYS Web Share-a-Thon" site
http://www.regentsearthscience.com/stanys/

For additional suggestions, use the Digital Library for Earth System Education www.dlese.org

Notes:
1. These selected labs and activities have been created by different teachers, so the formats of the materials will differ.

2. Suggestions for additional labs and activities should be sent to <michael@earth2class.org>