

Welcome to Earth-Moon-Sun Dynamics! As you will soon discover, this is a very extensive web site. The general site map below is designed to give first-time visitors an idea of what lies ahead and to give returning users quick access to previously visited pages. At any time from any page within this web site, you can click on "site map" in the lower left corner to return to this page.

Please note: NEXT PAGES (to your left) and PREVIOUS PAGES (on the top) are designed to help efficiently guide you through this complex site by showing you the most logical steps to and from your current page.

Introduction to Earth-Moon-Sun Dynamics

Explanatory Models

Our Research

Teaching Strategies

Learning Outcomes

Assessment

Course Overview and Materials:

1: INTRODUCING SCIENTIFIC MODELS:

1A: Helper-Builder:

instructional notes

1B: Sun Plot:

instructional notes | other resources

1C: Moon Observations

instructional notes | student activities | other resources

1D: Black Box

instructional notes | student activities | assessment | student work examples

2: BUILDING THE EMS MODEL:

2A: Day/ Night and Sunrise/ Sunset

instructional notes | student activities | assessment | student work examples | other resources

2B: Moon Rise and Set

instructional notes | student activities | assessment | student work examples

2C: Face of the Moon

instructional notes | student activities | other resources

2D: Phases of the Moon

instructional notes | student activities | assessment | student work examples | other resources

2E: Eclipses

instructional notes | student activities | assessment | other resources

2F: Seasons

instructional notes | student activities | assessment | student work examples | other resources

2G: Exam

instructional notes | assessment

3: APPLICATION OF THE EMS MODEL:

3A: Challenge Problems

instructional notes | student activities | assessment | other resources