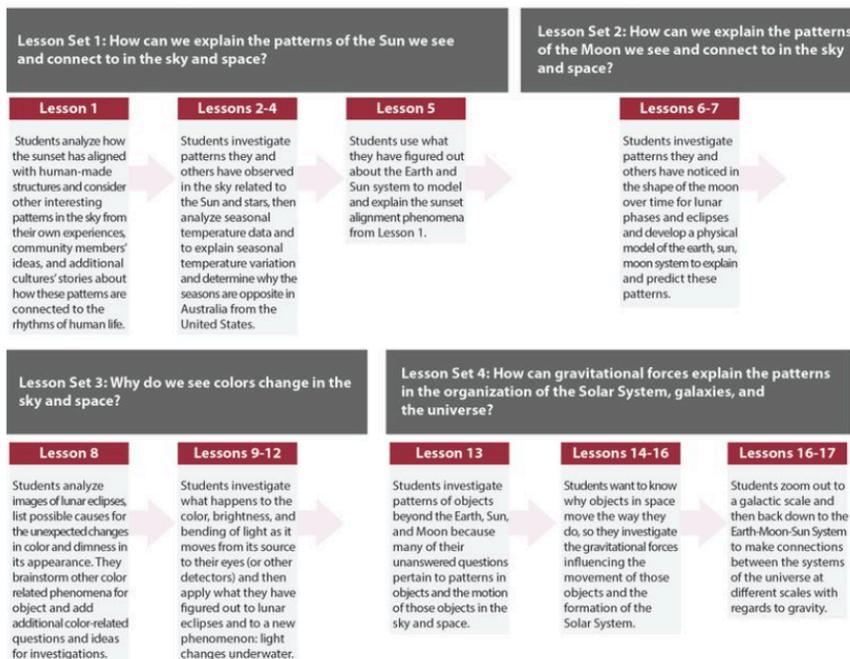


# 8.4 Earth in Space



## Unit Structure

Driving question: How are we connected to the patterns we see in the sky and space?



## Before Teaching the Unit



Watch the unit webinar.



Read the unit storyline.



Join the Facebook Group for the unit.



Review the Assessment System Overview in the Unit Overview to complete the Grading Planning Tool for the unit.



Review the Unit Overview, Material List and Lesson Teacher Edition to check for the required materials and supplies necessary for the unit. Take note of these unit-specific items related to materials:

- The Anchor (Lesson 1) has several posters to record student thinking. Consider preparing these in advance. A list can be found in the *Materials Preparation* section of the Teacher Edition. The *Patterns in the Sky* poster is used again later in the unit.
- Lesson 3 involves an investigation and modeling. Students will revisit the models later in the unit. It's recommended that you watch the teacher introduction video to use Stellarium

## While Teaching the Unit

- Watch teacher set-up videos for investigations.
- Consider keeping a running record of class discoveries and investigations throughout the unit to help absent students catch up and as a reference for future years. Approaches could include a teacher version of a student notebook, or a running shared Google document.
- Organize handouts and digital materials as you go for future use.

## After Teaching the Unit

- Store physical modeling material to be used in the future
- Make notes of future revisions, modifications.
- Take pictures of posters, consensus models and exemplary student work.
- Survey students at end of unit for feedback and self-reflection.

## Unit Fast Facts for Planning

**Unit Length** 17 Lessons, 31 Days

**Lessons with Hands-On Investigations** 3, 4, 6, 7, 10, 11

**Lessons Requiring Student Devices** 6, 14

**Lessons that Require In-Advance Material Preparation** 1, 3, 4, 6, 7, 10, 11, 13

**Lessons with Mid-Point or Summative Assessment Moments** 4, 12, 17