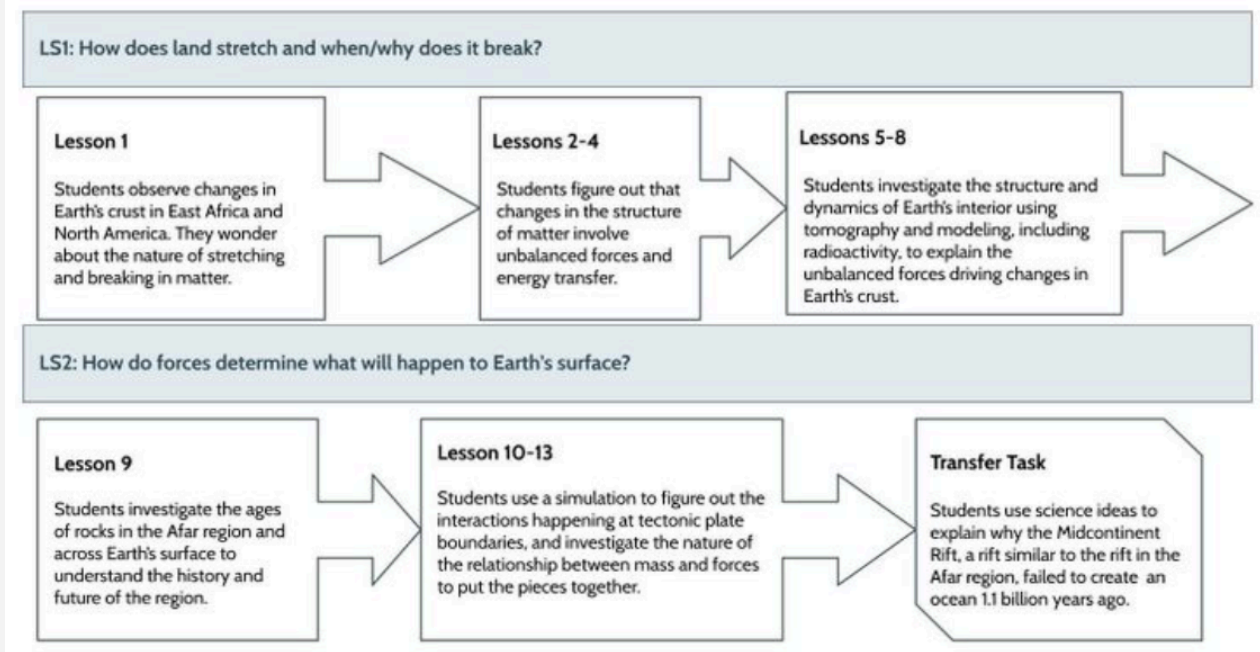


P.2 Energy, Forces, & Earth's Crust



Unit Structure



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:

- Lesson 2 has several investigation materials and anchor chart components to prepare in advance. Carefully read the materials preparation background information for demonstration and investigation set-up and safety as well as anchor chart examples. The Preparing Foam Blocks teacher reference contains the specifics on cutting the thick foam panels and a how-to video.
- Review the Developing the M-E-F poster teacher reference in Lesson 3 for details on how to co-construct this anchor chart with students throughout the unit.
- Carefully read the materials preparation background information, including safety information, in Lessons 3, 4, and 12 and run the investigations and demonstrations in advance.
- Give yourself time to thoroughly review how to use the Tomography Data tool in Lesson 5.

- Prior to Lesson 9, determine what approach your materials can support for measuring volume of an irregular solid via water displacement. See the Density Measurements Guidance teacher reference for options and watch the teacher facing video for additional guidance on how to measure the density of the rocks for this investigation.
- Lesson 11 requires you to zero spring scales horizontally for use in the friction investigation. See the teacher references and set-up videos in the materials preparation background information for details.
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While Teaching the Unit

- Watch teacher set-up videos for investigations.
- Keep 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

- Foam panels are reusable, unless they break, and can be stored and reused next year or for other investigations.
- Leave the finalized Matter-Energy-Forces triangle on display to reference in future units.
- 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 13 Lessons, 27.5 Days

Lessons with Hands-On Investigations 2, 3, 9, 11, 12

Lessons Requiring Student Devices 4, 5, 7, 8, 10

Lessons that Require In-Advance Material Preparation 2, 3, 4, 9, 11, 12

Lessons with Mid-Point or Summative Assessment Moments 4, 7, 13