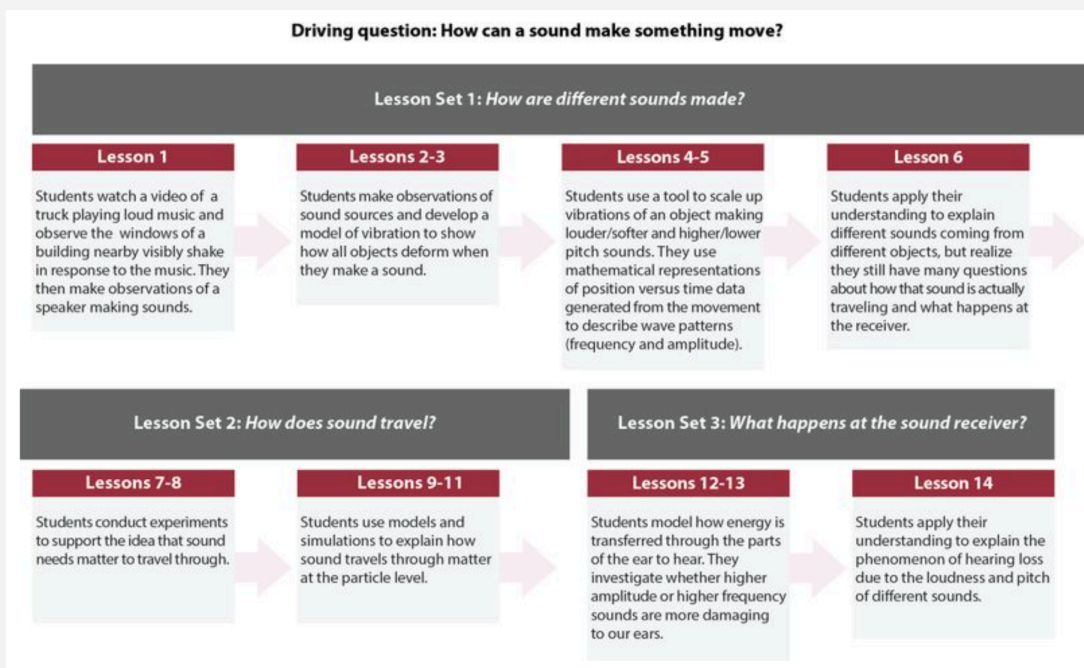


8.2 Sound Waves



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:

- This unit incorporates 8th grade math skills and standards, particularly in lessons 4, 5 and 13. Carefully read through the “What mathematics is required to fully access the unit learning experiences?” section of the unit overview materials.
- The Lesson 4 investigation has a complicated set-up. Watching the teacher preparation video will help to guide you through all of the steps.
- Be sure to watch the teacher preparation videos for Lesson 13. Try this investigation on your own before doing it with the students.

While Teaching the Unit

- Watch teacher set-up videos for investigations.
- 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

- 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 14 Lessons, 34 Days

Lessons with Hands-On Investigations 1, 2, 3, 4, 5, 7, 8, 9, 11, 13

Lessons Requiring Student Devices 3, 4, 5, 10

Lessons that Require In-Advance Material Preparation 3, 4, 13

Lessons with Mid-Point or Summative Assessment Moments 6, 11, 14