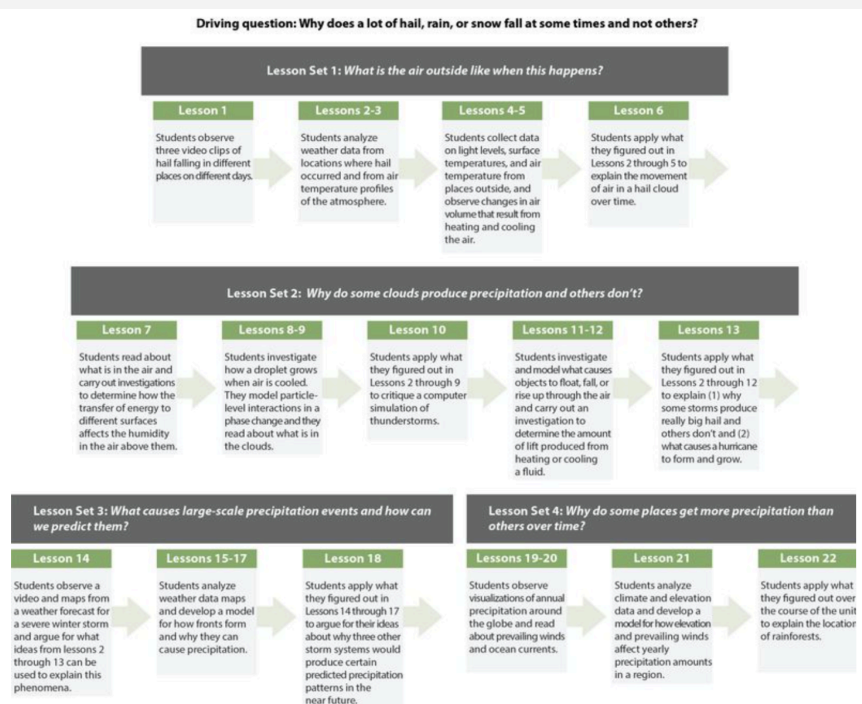




6.3 Weather, Climate, & Water Cycling

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 includes several hands-on investigations, and requires access to water and ice. It is helpful to check for required materials and supplies in advance of starting this unit.
- Lesson 2 includes complex data sets for group analysis. Consider printing and laminating in advance, and plan out how you will organize class groups.

- Lesson 4 is an outside investigation, best done on a sunny day. There is sample data available if going outside is not an option.
- Test out the helium balloon demonstration in Lesson 5 in advance; it is helpful to watch the teacher-facing video.
- It is helpful to watch the teacher videos in advance of Lesson 12 set-up. This lesson includes hot water.
- Lessons 14 and 15 are a new anchoring phenomenon for the second lesson set. There is a lot of data analysis; it is helpful to plan out how you will have student groups work with this data. Consider sharing the data digitally or printing and laminating class sets in color.

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 note of consumable materials that need to be replaced for next year.
- 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 22 Lessons, 42 Days

Lessons with Hands-On Investigations 4, 5, 7, 8, 9, 11, 12, 16

Lessons Requiring Student Devices 10

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

Lessons with Mid-Point or Summative Assessment Moments 6, 13, 17, 18, 22