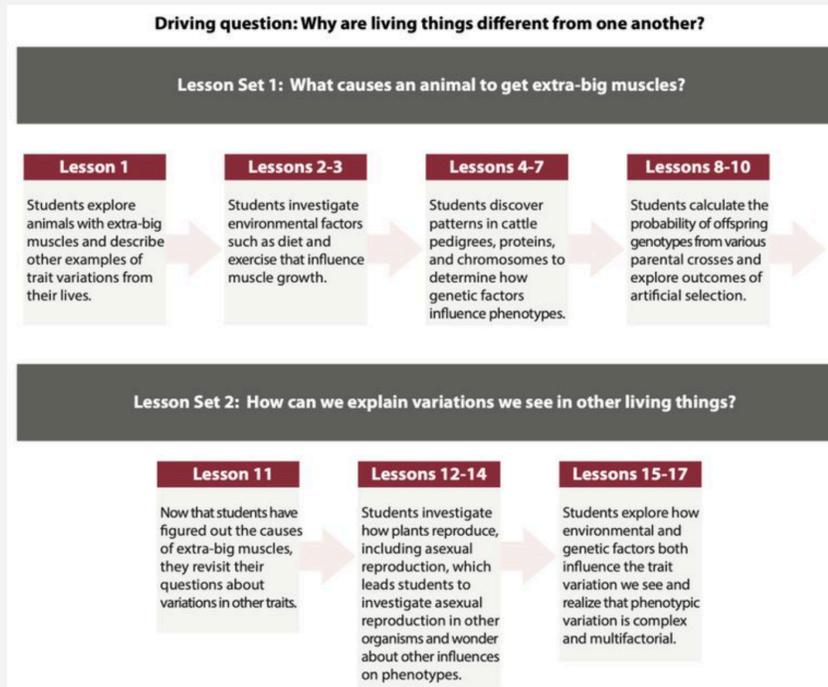


## 8.5 Genetics



## 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 treats the topics of genetics differently from many other curriculum materials. It is very helpful to read the reasoning for this approach in the Unit Overview materials before teaching this unit.
- Multiple lessons require photo cards or color printouts, beginning with lesson 1; if you did not order a kit that provides these materials, it will require significant additional time to print in color, cut cards and organize in sets. If possible, laminate for future use. Lessons requiring these additional printing steps are: Lessons 1, 2, 5, 6, 8, 11,15.

- The DNA extraction lab investigation in Lesson 12 requires advanced materials planning. See the teacher guide suggestions and teacher preparation video.
- Consider reaching out to local florists for flower donations in preparation for the Lesson 13 flower dissection investigation.

## 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

- 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, 28 Days

**Lessons with Hands-On Investigations** 2, 13

**Lessons Requiring Student Devices** 9

**Lessons that Require In-Advance Material Preparation** 1, 2, 5, 6, 8, 11, 12

**Lessons with Mid-Point or Summative Assessment Moments** 7, 10, 17