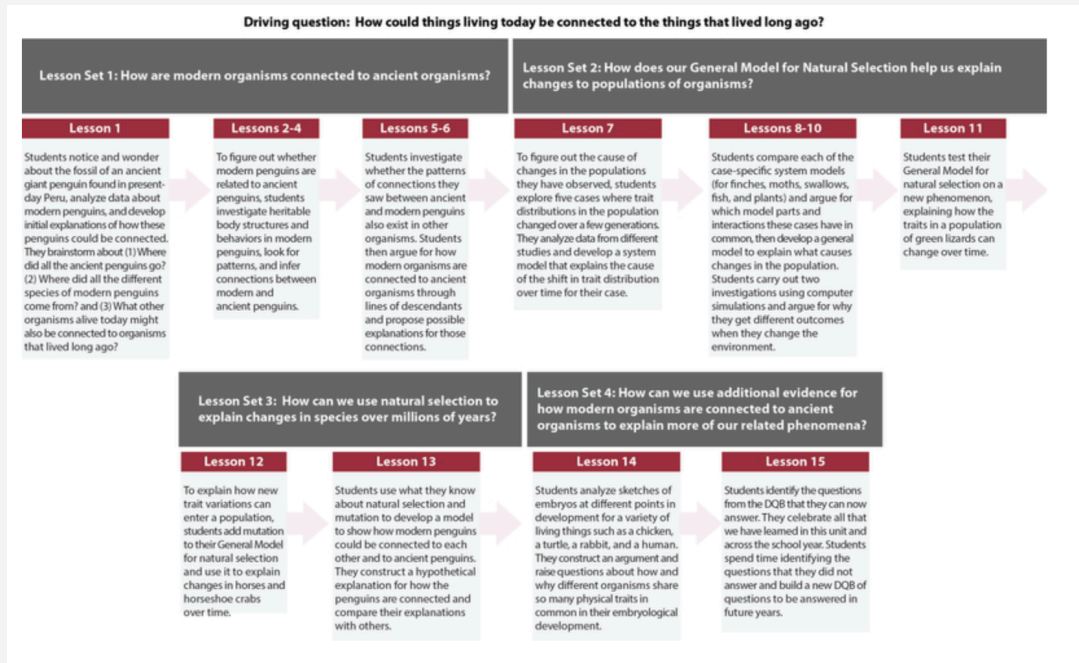


8.6 Natural Selection & Common Ancestry



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:

- If you did not order a kit, this unit involves some advanced color printing (and lamination for future use). More information can be found in the advanced preparation for Lesson 1, 2, 3, 5, 7
 - Lesson 1: Penguin Data Cards
 - Lesson 2: Data Strips (2 sets) and their keys, penguin stickers
 - Lesson 3: Ancient Penguin Data Cards, optional supplement Extension: Data strips for more incomplete ancient penguin fossils, Maps of Earth's Surface Over the Last 50 Million Years, Consumable data strips and data strips for ancient penguins, Timeline sections

- Lesson 5: Day 1: Horseshoe Crab Data Cards, Day 1: Horse Data Cards, and Day 1: Whale Data Cards and corresponding stickers
- Lesson 7: 5 different case study overviews in color
- Different sized index cards are used for Lesson 7 and 8. These can be made out of colored cardstock or paper if you cannot find the correct sized index card.
- Lesson 10 involves a simulation. Spend some time familiarizing yourself ([overview video](#)) with it and ensuring it works on student devices.

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.
- Store Lesson 1: Data Cards for Modern Penguins and Pedro-, Lesson 2: Nonconsumable Lesson 2 Data Strips: Internal and External Structures in Modern Penguins and Pedro, Ancient Penguin Data Cards and Data strips for ancient penguin fossils, maps, Lesson 5 Data cards, and case studies for future years.

Unit Fast Facts for Planning

Unit Length 15 Lessons, 31 Days

Lessons with Hands-On Investigations N/A

Lessons Requiring Student Devices 9, 10

Lessons that Require In-Advance Material Preparation 1, 2, 3, 5, 7, 8, 10

Lessons with Mid-Point or Summative Assessment Moments 11, 13, 14