

HS-LS3-2: Inheritable Genetic Variation

Make and defend a claim based on evidence that inheritable genetic variations may result from: (1) new genetic combinations through meiosis, (2) viable errors occurring during replication, and/or (3) mutations caused by environmental factors. (Cause and Effect)

Assessment

[Human Hand-Walkers](#)

[Evidence Statement](#)

Vocabulary

Genetic variation

Meiosis

Mutations

- DNA replication
- Environmental

Inheritance

Cause and Effect

Mini-Lessons

[Causation Level 6 - Causation and Correlation](#)

[Causation Level 6 - Causation and Correlation Thinking Slides](#)

Graphic Organizers

[Phenomena Observation Graphic Organizer](#)

[Questioning Graphic Organizer](#)

[Modeling Graphic Organizer](#)

[Planning an Investigation Organizer - Experimental](#)

[Planning an Investigation Organizer - Observational](#)

[Investigation Evidence Organizer](#)

[Engaging in Argumentation Organizer](#)

Progressions

[Engaging in Argument from Evidence](#)

[LS3.B: Variation of Traits](#)

[Cause and Effect](#)

Formative Assessment(s)

[CER, Cause and Effect, Patterns](#) Practice Mixed Assessment