



Unit 4 Inheritance and Variation of Traits

Grade 3 Science

Unit Description:

Students will collect and combine information to describe climates around the world. Students will also use evidence to construct and support arguments stating that in different climate habitats, organisms can survive or not survive. They will apply this information and use data to provide evidence that plants/animals have traits inherited from their parents and variations of these traits exist in groups of similar organisms. Students will also use evidence to explain how these traits can be influenced by the environment.

Science Standards:

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| 3-LS3-1 | Analyze and interpret data to provide evidence that plants and animals have traits inherited from their parents and that variation of these traits exists in a group of similar organisms. |
| 3-LS3-2 | Use evidence to support the explanation that traits can be influenced by the environment. |
| 3-LS4-3 | Construct and support an argument with evidence that in a particular habitat some organisms can survive well, some survive less well, and some cannot survive at all. |
| 3-ESS2-2 | Obtain and combine information to describe climates in different regions around the world. |

Enduring Understandings- Unit Anchor Phenomenon:

The Namid Desert can reach up to 140 degrees and is considered one of the hottest and driest places in the world. However, Namid beetles can survive in this harsh environment.

Essential Questions- Reflective Summaries:

- Analyze and interpret data to provide evidence that plants and animals have traits inherited from their parents and that variations of these traits exists in a group of similar organisms.
- Use evidence to support the explanation that traits can be influenced by the environment.
- Use graphical displays of data to describe typical weather patterns and conditions in various biomes around the world.

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| | <ul style="list-style-type: none">• How are weather patterns and conditions in the Amazon Rainforest different from the Namib Desert?• Construct and support an argument with evidence that in a particular habitat some organisms can survive well, some survive less well, and some cannot survive at all. How are Namib beetles or other organisms suited to survive in a desert? |
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