



Unit 5 Biodiversity and Change

Grade 7 Science

Unit Length and Description:

8 instructional weeks

Students will undertake a design project that assists in maintaining diversity in ecosystems, and construct arguments supported by evidence that changes to physical or biological components of an ecosystem affect populations. Students will also ask questions to clarify evidence of factors that have caused rising global temperatures over the past century.

Science Standards:

- 7-MS-ESS3-5** Ask questions to clarify evidence of the factors that have caused the rise in global temperatures over the past century.
- 7-MS-LS2-4** Construct an argument supported by empirical evidence that changes to physical or biological components of an ecosystem affect populations.
- 7-MS-LS2-5** Undertake a design project that assists in maintaining diversity and ecosystem services.

Enduring Understandings- Unit Anchor Phenomenon:

Forty-three percent of Atlantic forest birds are close to extinction.

Essential Questions- Reflective Summaries:

- Construct an argument supported by empirical evidence that changes to physical or biological components of the Amazon Rainforest affect Atlantic Bird populations.
- Describe factors that have contributed to the rise in global temperatures over the past century.
- Design a solution to assist in maintaining the diversity and ecosystem services of the Amazon Rainforest.