3.LS1.B: Growth and Development of Organisms

Reproduction is essential to the continued existence of every kind of organism. Plants and animals have unique and diverse life cycles. (3-LS1-1)

Performance Expectation

3-LS1-1: Develop models to describe that organisms have unique and diverse life cycles but all have in common birth, growth, reproduction, and death.

Clarification Statement: Changes organisms go through during their life form a pattern.

Assessment Boundary: Assessment of plant life cycles is limited to those of flowering plants. Assessment does not include details of human reproduction.

Science and Engineering Practice

Developing and Using Models

Modeling in 3–5 builds on K–2 experiences and progresses to building and revising simple models and using models to represent events and design solutions.

Develop models to describe phenomena. (3-LS1-1)

Crosscutting Concept

Patterns

Patterns of change can be used to make predictions (3-LS1-1)

Connection to Nature of Science

Science Knowledge Is Based on Empirical Evidence

Science findings are based on recognizing patterns. (3-LS1-1)

Common Core State Standards for ELA/Literacy

Reading Informational Text

RI.3.7 - Integration of Knowledge and Ideas

Use information gained from illustrations (e.g., maps, photographs) and the words in a text to demonstrate understanding of the text (e.g., where, when, why, and how key events occur). (3-LS1-1)

Common Core State Standards for ELA/Literacy

Speaking & Listening

SL.3.5 - Presentation of Knowledge and Ideas

Create engaging audio recordings of stories or poems that demonstrate fluid reading at an understandable pace; add visual displays when appropriate to emphasize or enhance certain facts or details. (3-LS1-1)

Common Core State Standards for Mathematics

Number & Operations in Base Ten
3.NBT - Use place value understanding and properties of operations to perform multi-digit arithmetic.
Number and Operations in Base Ten. (3-LS1-1)

Common Core State Standards for Mathematics

Number & Operations--Fractions
3.NF - Develop understanding of fractions as numbers.
Number and Operations—Fractions (3-LS1-1)

Common Core State Standards for Mathematics

Mathematical Practices

MP.4 - Model with mathematics

CCSS text (3-LS1-1)