

## Science 3 – 5 for use with NGSS 2013:

### Life Science: Heredity: Inheritance and Variation of Traits; Biological Evolution: Unity and Diversity

## Inherited and Acquired Traits

**Students** Learning Continuum Statements:

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**Students:**

**RIT 141-150:**

- Identifies the parent animal of a given offspring, based on observed similarities

**Students:**

**RIT 151-160:**

- Identifies the parent animal of a given offspring, based on observed similarities

**Students:**

**RIT 161-170:**

- Identifies the parent animal of a given offspring, based on observed similarities

**Students:**

**RIT 171-180:**

- Identifies similarities and differences between parents and offspring
- Analyzes and interprets data to predict how offspring will change to resemble their parents

**Students:**

**RIT 181-190:**

- Analyzes and interprets data to conclude that physical characteristics of young animals may differ considerably from their parents
- Identifies similarities and differences between parents and offspring
- Recognizes that parents and their offspring are the same species
- Analyzes and interprets data to predict how offspring will change to resemble their parents

**Students:**

**RIT 191-200:**

- Applies scientific ideas to explain that offspring can inherit traits that are a blend of both parents' traits
- Compares characteristics of parents and offspring
- Makes observations to support claims that offspring are similar to, but not identical to, their parents
- Identifies similarities and differences between parents and offspring

**Students:**

**RIT 201-210:**

- Identifies evidence to support a claim that a particular trait is inherited
  - Supports claims about how the materials that plants get from the environment affect their size
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