

## The Significance of Seeds Grade Levels: 1-2 & 3-4

How are animals, catapulting and the forces of wind, water and gravity linked to seeds? Students explore this and other questions while investigating the fascinating world of seeds. Depending upon their prior knowledge, students discover how seeds are formed by examining parts of a flower. They may dissect a seed to identify the parts that grow into a new plant. They also examine the features of selected seed-bearing structures, locate the actual seeds inside, and look for evidence of how the seeds travel. While in the field, students search for many different seeds and determine how they might travel using evidence to support their ideas.

Next Generation Science Standards Addressed:

### Disciplinary Core Ideas

#### First Grade

##### LS1.A: Structure and Function

Plants have different parts (roots, stems, leaves, flowers, fruits) that help them survive and grow.

##### LS1.B: Growth and Development of Organisms

Adult plants and animals can have young.

#### Second Grade

##### LS2.A Interdependent Relationships in Ecosystems

Plants depend on water and light to grow.

Plants depend on animals for pollination or to move their seeds around.

#### Third Grade

LS1.B Reproduction is essential to the continued existence of every kind of organism. Plants and animals have unique and diverse life cycles.

#### Fourth Grade

##### LS1.A: Structure and Function

Plants and animals have both internal and external structures that serve various functions in growth, survival, behavior, and reproduction.