



HONEYWELL

ARTS IN EDUCATION

Plant Life Cycle Exploration

September-October / April-May

Grades 2-4 (90 minutes)

What are some possible learning activities that may occur?

- Participate in an interactive read aloud
- Dissect a seed
- Create a seed ball to take home for planting
- Build a plant model
- Play a pollination game
- Take a tour of the Gardens

What will my students learn?

- Plants have life cycles
- Plants have parts that help them survive
- Seeds have parts
- Seeds are dispersed in a variety of ways
- Pollination is an important part of a plant's life cycle
- Science is fun!

Standards:

- 2.SL.2.1: Participate in collaborative conversations about grade appropriate texts with peers and adults in small and larger groups.
- 3.SL.2.1: Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) on grade-appropriate topics and texts, building on others' ideas and expressing personal ideas clearly.
- 4.SL.2.1: Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) on grade-appropriate topics and texts, building on others' ideas and expressing personal ideas clearly.
- 2.RN.2.3 Describe the connection between a series of historical events, scientific ideas or concepts, and steps in a process or procedure in a text.
- 3.RN.2.3: Describe the relationship between a series of historical events, scientific ideas or concepts, or steps in processes or procedures in a text, using words such as first, next, finally, because, problem, solution, same, and different.
- 4.RN.2.3: Explain relationships between events, procedures, ideas, or concepts in a historical, scientific, or technical text based on specific information in the text.
- 2-LS-2: Develop a simple model that mimics the function of an animal dispersing seeds or pollinating plants.
- 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.
- 4-LS1-1: Construct an argument that plants and animals have internal and external structures that function to support survival, growth, behavior and reproduction.