

Washington Township School District

STEM/Makerspace Curriculum

Grade:	3	Mystery Science Unit/Project Title:	Power of Flowers
NJ Learning Standard(s):	Life Science <ul style="list-style-type: none"> Mystery 1: 3-LS1-1, 3-LS4-3 Mystery 2: 3-LS1-1 Mystery 3: 3-LS3-2, 3-LS4-3, 3-LS3-1 Mystery 4: 3-LS3-2, 3-LS4-3, 3-LS3-1 		
Objective:	<ul style="list-style-type: none"> SWBAT describe how living things grow and change SWBAT discover how plants reproduce and pass on their traits through pollination and fruiting SWBAT be introduced to the process of plant domestication 		
STEM/ Unit Activities	Mystery 1: <ul style="list-style-type: none"> Make a Flower (mystery) Pollination TPT Pollination demonstration activity Mystery 2: <ul style="list-style-type: none"> Fruit or Vegetable (mystery) Bee Free BBQ Mystery 3: <ul style="list-style-type: none"> Apple Taste Test (mystery) Mystery 4: <ul style="list-style-type: none"> Odd one Out (mystery) 		

	<p>Suggested STEM</p> <ul style="list-style-type: none"> • Make an adaptation for an animal to help them become a better pollinator (planning and response sheet)
<p>Suggested Assessments:</p>	<ul style="list-style-type: none"> • Exit Ticket • Journal • Project Rubric • Unit Test
<p>Supplies Needed:</p>	<p>Mystery 1: Make a Flower</p> <ul style="list-style-type: none"> • Handout (mystery) • Green and 2 other color colored pencils • Scissors • 2-3 pipe cleaners • Sticky label/address label • Glue stick • 2 small paper cups • TBSP of pollen (ground coffee, cornmeal, cinnamon) <p>Pollination Demonstration:</p> <ul style="list-style-type: none"> • 3 cupcake liners • 3 cotton balls • 1 cotton swabs • 3 different Kool-Aid packets (substitute 3 different color glitter) • Small amount of water in a cup <p>Mystery 2: Fruit or Vegetable</p> <ul style="list-style-type: none"> • Handout (mystery) • Toothpick • Plate or paper towel • Celery • Tomato • Cucumber • Potato • Radish <p>} sliced and in a bag</p>

	<p>Bee-Free BBQ: Handout and pencil</p> <p>Mystery 3: Apple Taste Test (N/A)</p> <p>Mystery 4: Odd One Out</p> <ul style="list-style-type: none"> • Handout (mystery) • Scissors • Plant Cards (printout) <p>Suggested STEM</p> <ul style="list-style-type: none"> • Animal Adaptation Pollinator – planning and response sheet, various items in STEM lab
<p>Resources to Support Unit:</p>	<ul style="list-style-type: none"> • Possible Mentor Text: Flight of the Honey Bee by Raymond Huber Miss Maple’s Seeds by Eliza Wheeler • Brainpop Jr.: Plant Life Cycle, Plant Adaptations • Readworks Articles: Stories about Growing Plants (paired text) • The Great Plant Escape