

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 style="margin-left: 300px;">} 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