

Ms. B's Environmental Science Thematic Lessons

September - October - November

FALL 2019

This Season our students will learn about the environment, ecology and nutrition in the following thematic units.

Each Indoor/Outdoor lesson blends hands-on, real world projects, that are STEAM based and are rich in literacy, social studies and cooperative skill building activities.

Our Fall gardening & nutrition lessons will feature seasonal foods and ways to prepare and store them.



Rooftop Garden &
Room #232



Kindergarden

Needs of Living Things

- We learn about our place in the world through the garden and looking at our neighborhood.
We plant seeds and investigate how things are similar and different in our world.



1st Grade

Animal & Plant Defenses

- We learn about the amazing plants and animals around the world that develop natural defenses by investigating the plants in our garden. We plant seedling in the garden.



2nd Grade

Plant & Animal Relations

- We learn about the beneficial relationships between plants and insects in the garden, and use them to produce healthy food. We transplant started plants into the garden and hydro tower.



3rd Grade

Balancing Forces

- We learn how forces work through plants and their relationship with weather and space through math and art. We will harvest fall veggies for saving.



4th Grade

Energy Conversions

- We learn about the properties of healthy soil. We also learn about how Native Americans lived in this area through plantings and crafts. We will learn how to preserve foods.



5th Grade

Patterns of Earth & Sky

- We learn about patterns in plants and insects and how farmers use this information to grow food. We will learn how to preserve foods.



Month	Kindergarten	1 st Grade	2 nd Grade	3 rd Grade	4 th Grade	5 th Grade
Sept	Intro: A Sense of Place- Our Built & Natural Environments- Indoor/Outdoor activity					
Outdoors						
Oct	Needs of Living Things:	Animal & Plant Defense:	Plant & Animal Relations:	Balancing Forces	Energy Conversions:	Patterns of Earth & Sky:
Outdoors	Same/Different- space, light, nutrients, etc	Ladybugs & Aphids	Invasive & Companion Plants	STEAM UNIT: Sq Ft. Gardening Give teachers worksheet: A SCIENCE CURRICULUM GUIDE: WHAT CAN THE HIGH LINE TEACH US ABOUT FORCES?	STEAM UNIT: Cover Crops & Compost Soil Test- Nutrients- Good Soil = Good Food	Growth habits of invasive Plants & Pests
Kids in the Kitchen: Fall Recipe						
Nov	Needs of Living Things:	Animal & Plant Defense:	Plant & Animal relations:	Inheritance & Traits:	Vision & Light:	Modeling Matter:
Outdoors	Rest vs. Action: Goodnight Garden- Putting the bulbs to sleep: Daffodils	Goodnight Garden: Dormant/Hibernation	Good Bugs/Bad Bugs Worms	3 Sisters planting & Ethnobotany (Native American Crafts Day)	Good Bugs/ Bad Bugs: Bug Senses	STEAM UNIT: Stop motion camera Growth habits of invasive Plants & Pests

