

### PLANT YOUR OWN GARDEN

**1.MD.2:** Express the length of an object as a whole number of length units, by laying multiple copies of a shorter object (the length unit) end to end; understand that the length measurement of an object is the number of same-size length units that span it with no gaps or overlaps. Limit to contexts where the object being measured is spanned by a whole number of length units with no gaps or overlaps.

Planting gardens is fun, but it is important to have a plan before you start planting!

#### Materials Needed:

- Rulers
- Scissors
- Graph paper template
- Vegetable Key
- Pencils
- Markers, crayons, or colored pencils

#### Preparation:

- Gather the needed materials in an appropriate area.
- Provide each student with a ruler, graph paper, and a pencil.

#### Steps to Success:

1. Measure the space for your garden.
2. Instruct the students to cut the graph paper to the desired size of their garden. The graph paper is set up so that 1 square equals 1 square foot. So, if the garden is 5 feet by 6 feet, cut the graph paper to be 5 squares across and 6 squares down. If the garden is 2 feet by 1 foot, cut the graph paper to be 2 squares across and 1 square down.
3. Once they have their grid measured, instruct the students to cut out the vegetable key. The vegetable key is set up so that each vegetable square will take up the correct amount of land that the vegetable will require to grow big and strong.
4. Let the students begin to plan what vegetables they would like in their garden!
5. Have them place the vegetable squares on their grid to see how many they can fit on their land.
6. If you want to allow the students to plant more than one of any vegetable, have them cut out another square that is the same size.
7. Once their gardens have been planned out on the grid, have the students color each square the color they think their plants will be!



**Active Learning  
Example**

Name: \_\_\_\_\_ Date: \_\_\_\_\_

**"Make a Homemade Garden"**

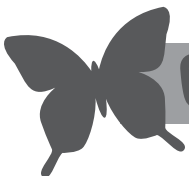
<h1>Zucchini</h1> <h2>4ft</h2>	Beets 1ft	Beets 1ft	Kale 1ft
	Eggplant 2ft		Kale 1ft
	Celery 2ft		Kale 1ft
Chard 1ft			
<h1>Spaghetti Squash</h1> <h2>4ft</h2>	Celery 2ft		Chard 1ft
			Chard 1ft
	Bell Pepper 3ft		
Chard 1ft			
Green Onion 2ft	Bell Pepper 3ft		
Parsley 2ft			



# Active Learning

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## "Make a Homemade Garden"

## Vegetable Key

Bell  
Pepper  
3ft

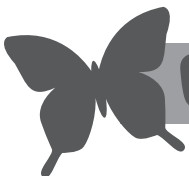
Celery  
2ft

Chard  
1ft

Kale  
1ft

Green  
Onion  
2ft

Beets  
1ft



# Active Learning

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## "Make a Homemade Garden"

Zucchini  
4 ft

Tomato  
2ft

Parsley  
2ft

Spaghetti  
Squash  
4ft

Eggplant  
2ft

