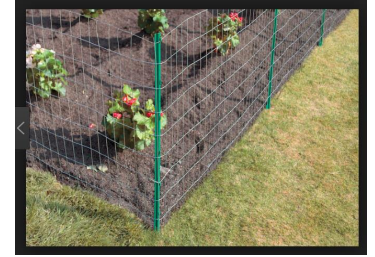


# THE GARDEN TASK

M2C3 Project (2018)



# The Garden Task



- Let's share our experiences...
  - What do you know about gardening?

<https://www.youtube.com/watch?v=X1I9-H5zNzg>

# Planning a Garden

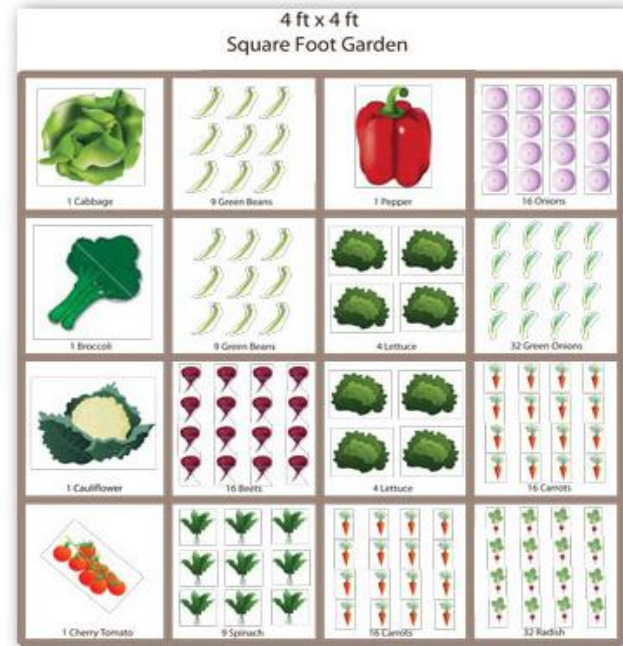
What do you notice?  
What do you wonder?





# 4 ft x 4 ft Square Garden

When you use square foot gardening, you plant your vegetables in squares instead of rows. This allows you to grow more vegetables in a smaller space and is less work because weeds do not have as much space to grow. This chart shows how you might plant a 4 ft x 4 ft garden.



What do you notice?  
What do you wonder?

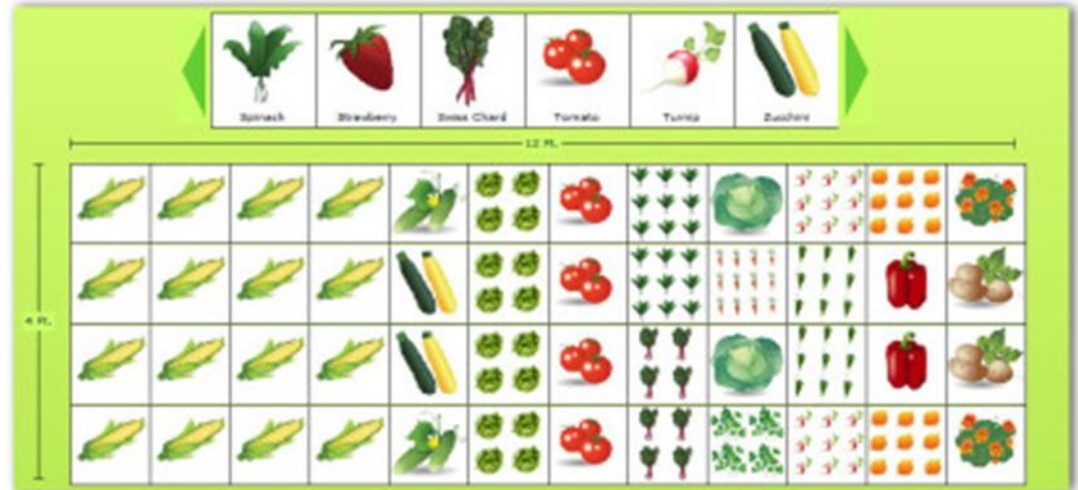
# 4 ft x 12 ft Rectangular Garden

It helps to make a plan for your garden before you plant seeds. You need good soil and compost so that your plants can grow. You need to have the right amount of space and sunlight for each plant to grow.

Here is a garden plan for a 4 ft x 12 ft garden.

What do you notice?  
What do you wonder?

Square Foot Garden plan for a 4 ft x 12 ft garden.

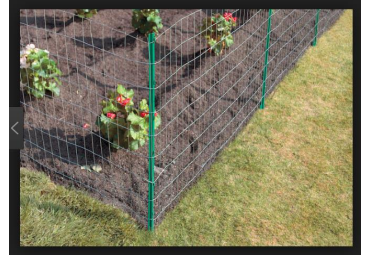


# The Garden Task



Your school's garden has an empty plot. The size of the plot is 4 feet by 8 feet. Your class wants to plant vegetables in the plot. Your task is to make a plan for this garden.

# The Garden Task



## Part 1: Planning Your Garden

- Decide which vegetables to plant and how many of each vegetable will fit in the plot.
- Use the *Planting a Square Foot Garden Table* to help you.
- Draw a picture or diagram to show your garden plan.

# Preparing the Soil : Compost helps enrich the soil.



Before we plant we need to spread compost over our garden to help the vegetables grow.

What do you notice?

What do you wonder?

What assumptions can you make regarding composting a garden?



# The Garden Task



## Part 2: Preparing the Soil

You need to add compost to enrich the soil.

- Figure out how much compost you will need for the 4 foot by 8 foot garden plot. List and justify your assumptions regarding composting your soil.
- How much will the compost cost?



- \$8.59/ bag
- 1 bag holds 1 cubic ft of compost

# The Garden Task

## Part 3: Fencing Your Garden



- You want to build a fence around the 4 foot by 8 foot garden plot to protect the vegetables from small animals.
- You will use stakes and fencing material to make the fence. Use the task card to help you.

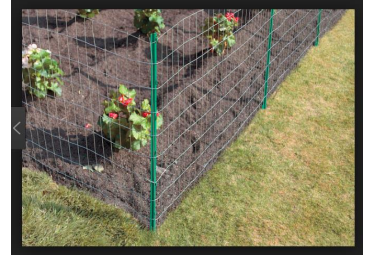
# The Garden Task

## Part 4: Applying for Funding



- Your class is going to apply for a grant to purchase the materials for your 4 foot by 8 foot garden plot.
- Convince the funder that you have a good plan for your garden, including preparing the soil and building your garden fence.

# The Garden Task



Complete the four parts of the Garden Task. Follow the directions on the task card.

- **Part 1: Planning Your Garden**
- **Part 2: Preparing the Soil**
- **Part 3: Fencing Your Garden**
- **Part 4: Applying for Funding**



# The Garden Task



Record your group solution to one part of the garden task on a poster (or white board).

- Your poster should:
  - List and justify your assumptions and decisions.
  - Show your model, computation, and solution.
  - Describe how your model could be used in other situations where people are planning a garden.