

# FARMER, FARMER, HOW DOES YOUR VINEYARD GROW?

A detailed illustration of a vineyard. The top half of the page features several grapevines with large, lobed leaves. From left to right, there are four clusters of grapes: a cluster of red grapes, a cluster of purple grapes, a cluster of green grapes, and a cluster of yellow grapes. The grapes are shaded to give them a three-dimensional appearance. The vines are simple black outlines with small tendrils.

## **OBJECTIVES:**

- The students will be able to describe the process of growing grapes.
- The students will be able to identify the necessary climate, soil, materials needed, and the timeline for grapes to successfully grow on a vine.
- The students will be able to use materials to design and create their own vineyard.
- The students will use research and learned information to create a persuasive sales pitch for grocery stores to sell their grapes.

## **MATERIALS NEEDED:**

- Technology and resources for research
- Shoe Boxes for each group of students
- Popsicle Sticks
- String or Wire for the vines
- Pom Poms for the grapes
- Soil
- Glue
- Other materials chosen by the students to create their vineyard

## **LESSON:**

- <https://www.grapesforschools.com> Use this link to watch videos and learn about how grapes are grown

- Put the students in small groups and have them research different types of grapes
- Each group will choose one type of grape, or the teacher can assign a type to each group, that they would like to grow. They need to learn details such as:
  - What is the best climate and location for this type of grape to grow?
  - What is the best soil to use?
  - What materials will be needed?
  - What is the timeline and process for planting and growing?
  - Is this specific grape used best as table grapes, for wine, etc?
- Each group will then use the provided materials to design and build a new vineyard suitable to grow their type of grape in their shoebox
- Then have each group pretend they are meeting with a grocery store to persuade them to sell their grapes, and create a presentation, sales pitch, or commercial with the following information:
  - The type of grape and uses for it
  - Using the growing process and the uses for the grapes, explain why these grapes should be sold in stores
  - Use technology to show pictures and video of the vineyard and grapes grown
- OPTIONAL : create a new flavor of grapes to include in the vineyard and presentation

#### **COMMON CORE AND NEXT GENERATION STANDARDS:**

##### **4th Grade**

- 4-LS1-1. Construct an argument that plants and animals have internal and external structures that function to support survival, growth, behavior, and reproduction.
- 3-5-ETS1-1. Define a simple design problem reflecting a need or a want that includes specified criteria for success and constraints on materials, time, or cost.
- CCSS.ELA-LITERACY.W.4.1 Write opinion pieces on topics or texts, supporting a point of view with reasons and information.
- CCSS.ELA-LITERACY.W.4.9 Draw evidence from literary or informational texts to support analysis, reflection, and research.
- CCSS.ELA-LITERACY.RI.4.3 Explain events, procedures, ideas, or concepts in a historical, scientific, or technical text, including what happened and why, based on specific information in the text.
- CCSS.ELA-LITERACY.W.4.6 With some guidance and support from adults, use technology, including the Internet, to produce and publish writing as well as to interact and collaborate with others; demonstrate sufficient command of keyboarding skills to type a minimum of one page in a single sitting.
- CCSS.ELA-LITERACY.W.4.7 Conduct short research projects that build knowledge through investigation of different aspects of a topic.

##### **5th Grade:**

- 3-5-ETS1-1. Define a simple design problem reflecting a need or a want that includes specified criteria for success and constraints on materials, time, or cost.
- CCSS.ELA-LITERACY.W.5.1 Write opinion pieces on topics or texts, supporting a point of view with reasons and information
- CCSS.ELA-LITERACY.W.5.4 Produce clear and coherent writing in which the development and organization are appropriate to task, purpose, and audience
- CCSS.ELA-LITERACY.W.5.7 Conduct short research projects that use several sources to build knowledge through investigation of different aspects of a topic
- CCSS.ELA-LITERACY.W.5.9 Draw evidence from literary or informational texts to support analysis, reflection, and research.

**GROUP MEMBERS:**

# FARMER, FARMER, HOW DOES YOUR VINEYARD GROW?

**TYPE OF GRAPE:**

**NEW FLAVOR OF GRAPES (OPTIONAL):**



**CLIMATE AND LOCATION:**

**TYPE OF SOIL:**

**MATERIALS NEEDED FOR VINEYARD:**

**WHEN TO BEGIN PLANTING:**

**HOW THESE GRAPES GROW:**

**HOW THESE GRAPES ARE BEST USED:**

GROUP MEMBERS:

# FARMER, FARMER, HOW DOES YOUR VINEYARD GROW?

TYPE OF GRAPE:

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## DIRECTIONS:

Use the research and new vineyard to create a presentation to persuade the local grocery store that they should buy your new grapes. Be sure to include how they were grown, what they could be used for, and describe the flavor and taste. **Be creative and have fun!**

## NOTES:

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