

## Objective

By the end of this lesson, the student will be able to design a simple orchard plan, understand the types of fruit trees suitable for their climate, and learn about the care and maintenance required for an orchard to thrive.

## Materials and Prep

- Paper and pencils for sketching the orchard plan
- A ruler for measuring and drawing straight lines
- A list of common fruit trees and their requirements
- Access to a garden or outdoor area for practical understanding (if possible)
- Basic knowledge of local climate and soil conditions

## Activities

### • Research and Choose Fruit Trees

The student will research different types of fruit trees that can grow in their area. They will create a list of at least five fruit trees, noting their growing conditions and the best time to plant them.

### • Design the Orchard Layout

Using the paper and ruler, the student will draw a layout of their ideal orchard. They will include the placement of each tree, considering factors like sunlight, spacing, and accessibility for maintenance.

### • Plan for Care and Maintenance

The student will write a short plan outlining how they would care for their orchard, including watering, pruning, and pest management strategies. This will help them understand the ongoing responsibilities of maintaining an orchard.

## Talking Points

- "What types of fruit do you enjoy eating? Let's think about what trees could grow those fruits!"
- "Did you know that some fruit trees need more sunlight than others? It's important to consider where you'll plant them!"
- "Spacing is key! Trees need room to grow, so how far apart do you think we should plant them?"
- "What do you think are some challenges of having an orchard? Pests and diseases can be tricky!"
- "When do you think is the best time to plant fruit trees? Timing can really affect how well they grow!"
- "How often do you think we should water our trees? They need just the right amount!"

- "Pruning can help trees grow better. What do you think it means to prune a tree?"
- "Orchards can provide food for us and even for wildlife. Why do you think that's important?"
- "What other plants or flowers could we add to make the orchard more beautiful?"
- "How can we make sure our orchard is healthy and thriving? Regular checks and care are essential!"
- "Let's think about how we would feel when we get to eat fruit from our own orchard!"
- "What would you tell a friend about your orchard plan? Sharing your ideas can be fun!"