

Instructional Scenario

Tool Shed Cleanup



Course/Duty Area: Agriscience & Technology/Exploring the Plant Systems Pathway

Scenario:

Santiago has bought a new home that includes a garden shed with tools and supplies. He is interested in landscaping his front yard to make it more appealing. Before he goes to the local garden supply store, he wants to take stock of the tools and supplies he already has and what he still needs to purchase. He has set aside \$200 to purchase what he needs for landscaping.

Big Question:

What tools, equipment, and supplies are needed for a landscaping project?

Focused Questions:

- What types of tools and equipment are useful for landscaping?
- What safety precautions for tools and equipment should be implemented to prevent injuries?
- How can tools and equipment be maintained? What should Santiago look for to make sure that they are usable and don't need to be repaired or replaced?
- What consumable supplies does Santiago? How often should he purchase these supplies?

Student Project or Outcome:

Identify tools, equipment, and supplies used in landscaping and horticultural occupations, specifically those included in the Virginia FFA Middle School Plant Science Career Development Event.

Project-Based Assessment:

Teachers will need to prepare a set of tools and supplies that are in the shed. This could be photos, actual tools, and equipment, a virtual, online "shed," or a combination thereof. Students should identify the equipment that Santiago has in his shed, and what he will need to purchase to complete his landscape project.

Teachers can also prepare a catalog or list of equipment prices that students can purchase from using Santiago's budget. Another possible extension could be to have students organize the tools and supplies based on their use/purpose.

Teacher Resources:

- [Virginia FFA Middle School Plant Science CDE Identification List](#)
- [Hummert Landscape Supply Company](#)
- Introductory Horticulture, 5th Edition, by Reiley and Shry, Sections 1, 2, 3, 6, 7, 9, and 10
- Agriscience Fundamentals and Applications, 3rd Edition, by Elmer Cooper, Sections 5, 6, and 7
- [Common Native Trees of Virginia: Identification Guide](#)
- Reader's Digest Houseplants
- Reader's Digest Guide to Gardening

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