

Unit VII — Fencing

Instructor Guide

The instructor should assign the performance-based assessment activity at the beginning of the unit. Students will work toward completing the activity as they progress through the unit lessons. The assessment activity will be due at the completion of the unit.

1. Emphasize the importance of following local building codes and zoning laws when working with fencing. Discuss relevant local building codes and zoning laws.
 - a. Information regarding building codes and zoning laws is available from local regulatory agencies, such as the planning and development department, public works department, and county board of commissioners.
 - b. General information about Missouri building codes and zoning laws is also available from the MU Extension, University of Missouri-Columbia, accessed January 17, 2012, from <http://muextension.missouri.edu/explore/agguides/>.
2. Describe an area to be enclosed with fencing, such as a pasture or a yard. Include as much detail as necessary to describe the area and its intended use, such as the dimensions of the area, whether or not the fence must enclose or keep out livestock, and the uses of the adjoining land.
3. Have students devise a fencing plan for the described area that includes:
 - a. An aerial-view, scale drawing indicating fence layout and post spacing, using computer-aided drafting (CAD) equipment or pencils and paper to make their drawing, as preferred (Note: Drawing to scale was discussed in Unit 1, Working With Plans.)
 - b. A compiled bill of the materials for the plan with estimated cost of each item and the estimated total cost of the fence (a bill-of-materials work sheet is included with the student handout)
 - c. Determination of which local building and zoning codes apply to the fence and fence design that complies with all relevant codes
4. The final assessment score will be based on the overall content and presentation of the fencing plan.