

Chapter 18 Lesson Plan

Managing Construction

Chapter Resources		
Textbook Activity	Teacher CD	Online Learning Center
Estimate and Bid a Construction Project Estimate the cost of materials and labor needed to paint several rooms of a house. Submit a competitive bid.	Lesson Plan Flash® Presentation <i>ExamView®</i> Chapter Test	Chapter Activities Chapter Quizzes

FOCUS

Chapter 18 describes in general the process of managing a construction project.

Objectives

- Identify the responsibilities of a contractor.
- Explain how the amount of a construction bid is figured.
- Describe the three types of schedules.
- List the three main concerns of inspectors when monitoring construction.

Tying to Previous Knowledge

Remind the class that schedules are very common tools for increasing organization. Does each student have a class schedule? Do their favorite sports teams have game schedules?

TEACH

1. **Display.** On a bulletin board, list the job titles of construction-related jobs. If space permits, attach a picture of someone performing the job next to each title.
2. **Guest speaker.** Contact a local building inspector and/or general contractor. Ask him/her to visit your class and describe the inspection and management processes of construction to your students.
3. **Simulation.** Assign the task of creating a window schedule for the classroom. Ask what should be included on such a schedule and discuss why.
4. **Role playing.** Create the role of a purchasing agent. Students must go to three (or more) different suppliers of any selected products and get price, availability, and delivery information. After the information is acquired, discuss how to select the supplier.

Chapter 18 Lesson Plan

Managing Construction (continued)

ASSESS

Have students complete Chapter Test 18. Chapter tests are found in the *ExamView*® Assessment Suite on this Teacher Resource CD-ROM.

Reteach

1. Describe the outline of a simple construction project. Ask the class to write a proposal that could be sent out to prospective bidders. Critique the results.
2. Role-play an OSHA inspector visiting a construction site. What kinds of things should the inspector notice?

Enrich

1. Salary for construction employees is only one cost of labor. What other expenses must be considered when calculating the total cost of a worker?
2. What other ways are there to monitor a project in addition to actually visiting the job site?

REFLECT

Initially, managing a construction project may seem like an easier task than being a construction worker doing heavy physical labor. Interviews with managers, however, do not bear that out. They often contend that the mental stress connected to the constant decision-making (with the concurrent financial implications) amount to a greater burden than routine, hard physical work.