

Instructor: R. Fritz

Program Name: Technology Education

Unit: 1

Lesson Title: Basement Foundations

Time: 1-2 Class Periods 80 Minutes

Terminal Objective:

[1.0] After reading information about Superior Wall Systems, the students will be able to identify three pros of using a Superior Wall Foundation system and three cons of using a Superior Wall Foundation system over a traditional block wall system.

Enabling Objectives

[1.1] By reading Superior Walls documentation at www.yourbasement.com, the student will list three pros of using this foundation system.

Related PA Academic Standards

Technology Education

3.6.12.A Apply various graphic and electronic information techniques to solve real world problems

Reading, Writing, Speaking and Listening

#1.2.11.A Distinguish between essential and nonessential information across a variety of sources

#1.2.11.B Select appropriate electronic media for research and evaluate the quality of the information received.

Strategies:

Post the URL the students will need in order to obtain the information on Superior Walls System. The students will record their findings in their notebook or a Word document.

Assessment:

The students will take the information and create a PowerPoint presentation that will be presented to the class.

Enabling Objectives

- [1.2] By reading Superior Walls documentation at www.yourbasement.com, the student will list three cons of using this foundation system.

Related PA Academic Standards

Technology Education

3.6.12.A Apply various graphic and electronic information techniques to solve real world problems

Reading, Writing, Speaking and Listening

#1.2.11.A Distinguish between essential and nonessential information across a variety of sources

#1.2.11.B Select appropriate electronic media for research and evaluate the quality of the information received.

Strategies:

Post the URL the students will need in order to obtain the information on Superior Walls System. The students will record their findings in their notebook or a Word document.

Assessment:

The students will take the information and create a PowerPoint presentation that will be presented to the class.

Enabling Objectives

- [1.3] The student will create a three-minute PowerPoint presentation that they will present to the class.

Related PA Academic Standards

Technology Education

3.6.12.C Analyze physical technologies of structural design, analysis and engineering, personnel relations, financial affairs, structural production, marketing, research and design to real world problems.

3.6.12.C Apply knowledge of construction technology by designing, planning and applying all the necessary resources to successfully solve a construction problem.

Reading, Writing, Speaking and Listening

#1.6.11.C Use a variety of sentence structures to add interest to a presentation.

#1.6.11.D Listen to and acknowledge the questions asked.

Strategies:

Present to the students the criteria that is required for the slide show. The students will write the presentation criteria in their notebooks or in a Word document.

Assessment:

The students will present their presentation and explain the pros and cons of to the class.

Introduction:

The construction industry has been affected greatly over the last ten years with new materials and technical advances. As a result of this, there are advantages and disadvantages to using these new materials.

Body / Main Content:

You will be working in assigned groups of two. Before beginning this exercise, carefully read each section of information before you record your information. Your design team will have two class periods to complete the project including a 2- 4-minute PowerPoint presentation.

Summary:

Even though technology has played an integral role in the construction industry are the new advancements going to save time and money?

Materials Needed:

Computer Lab

Microsoft Office 2000

Overhead Projector

Internet Hookup

URL www.yourbasement.com