

Program: Electricity

Instructor: Nathan Ayers

Course Title: Electricity

Date:	June 21-25, 2010
Lesson Length:	One Week
Topics:	Showing how electricity is provided to your home.

OVERVIEW / ANNOTATION:

In this lesson I hope to show how electricity is gathered and condensed before entering the home.

BACKGROUND / PREPARATION:

Ask students to write a summary on how they think power gets to their home.

PRIMARY LEARNING OBJECTIVES:

At the conclusion of the lesson students will have a better understanding of the inner workings of the electrical supply and how many careers are involved to get the power to them.

ESSENTIAL QUESTION(S):

Where does power come from and how many careers does it take to get it to me?

Textbook		Lab Manual		Video		Other
Adv. Committee		Posters		Multi-Media		
Speaker	x	Supplemental Materials	x	Internet	x	

CONTENT STANDARDS & TASKS: *Alabama Course of Study*

PROCEDURES, ACTIVITIES, AND LEARNING EXPERIENCES

Individual work	x	Group Work	x	Lecture	x	Skills USA
Class Discussion	x	Project	x	Speaker	x	Live Work
Visuals	x	Review	x	Video		
Homework	x	Handout		Field Trip		

ASSESSMENT STRATEGIES

Homework	x	Portfolio		Class Work		x
Teacher Observation	x	Other:	x	Performance		Feedback from Discussion

LESSON INSTRUCTION INCLUDES:

Safety Instruction		Presentation		Higher Order Reasoning
Project-Based Learning		Role Playing		Work Ethics
Integrated Academics		Simulation		Integrated CTSO Experiences
Employability Skills		Problem Solving Skills		Management Skills

TEAMWORK ACTIVITIES:

Work as a group to build a power grid.

PROVISIONS FOR INDIVIDUAL DIFFERENCES:

Break groups up so that all students have the chance to succeed.

AVAILABLE STUDENT INDUSTRY CREDENTIALS:

COURSE / PROGRAM CULMINATING PROJECT:

Have each group present their project to the class for a culminating grade.