

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?

<input type="checkbox"/>	Textbook	<input type="checkbox"/>	Lab Manual	<input type="checkbox"/>	Video	<input type="checkbox"/>	Other
<input type="checkbox"/>	Adv. Committee	<input type="checkbox"/>	Posters	<input type="checkbox"/>	Multi-Media	<input type="checkbox"/>	
<input type="checkbox"/>	Speaker	<input checked="" type="checkbox"/>	Supplemental Materials	<input checked="" type="checkbox"/>	Internet	<input checked="" type="checkbox"/>	

CONTENT STANDARDS & TASKS: *Alabama Course of Study*

PROCEDURES, ACTIVITIES, AND LEARNING EXPERIENCES

<input type="checkbox"/>	Individual work	<input checked="" type="checkbox"/>	Group Work	<input checked="" type="checkbox"/>	Lecture	<input checked="" type="checkbox"/>	Skills USA
<input type="checkbox"/>	Class Discussion	<input checked="" type="checkbox"/>	Project	<input checked="" type="checkbox"/>	Speaker	<input checked="" type="checkbox"/>	Live Work
<input type="checkbox"/>	Visuals	<input checked="" type="checkbox"/>	Review	<input checked="" type="checkbox"/>	Video	<input type="checkbox"/>	
<input type="checkbox"/>	Homework	<input checked="" type="checkbox"/>	Handout	<input type="checkbox"/>	Field Trip	<input type="checkbox"/>	

ASSESSMENT STRATEGIES

<input type="checkbox"/>	Homework	<input checked="" type="checkbox"/>	Portfolio	<input type="checkbox"/>	Class Work	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	Teacher Observation	<input checked="" type="checkbox"/>	Other:	<input checked="" type="checkbox"/>	Performance	<input type="checkbox"/>	Feedback from Discussion

LESSON INSTRUCTION INCLUDES:

<input type="checkbox"/>	Safety Instruction	<input type="checkbox"/>	Presentation	<input type="checkbox"/>	Higher Order Reasoning
<input type="checkbox"/>	Project-Based Learning	<input type="checkbox"/>	Role Playing	<input type="checkbox"/>	Work Ethics
<input type="checkbox"/>	Integrated Academics	<input type="checkbox"/>	Simulation	<input type="checkbox"/>	Integrated CTSO Experiences
<input type="checkbox"/>	Employability Skills	<input type="checkbox"/>	Problem Solving Skills	<input type="checkbox"/>	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.