Disciplinary Actions: *The order and type of consequences depend on the nature and severity of the infraction.*

Verbal Warning
Lunch Detention and phone call home. *(Minor Infractions)*.
Counselor Referral.
Discipline Referral. (*Major and Chronic Disciplinary Infractions).*

Course Standards:

Standard 1: Employability Skills

Communication: Effective writing, speaking, listening, and interpersonal abilities.
Creativity: Asking challenging questions and applying innovative procedures.
Critical Thinking: Analyzing and applying information in career planning and employment situations.
Work Readiness: Traits such as integrity, honesty, accountability, and time management.
Technological Adaptability: Skills to be productive in a diverse workplace.
Professional Image: Presenting a professional image through appearance, behavior, and language.

Standard 2: History of the Energy Industry

US Energy History

Alternative Needs: Necessity for alternatives to fossil fuels.
Energy Sources: Wind, earth, oceans, and biomass.
Development and Comparison: Development of alternative energies and their regional suitability.
Economic and Environmental Issues: Spreadsheet detailing issues of at least five alternative energies.

Standard 6: Future Trends in Power and Energy

Trends: Present and future trends in energy, power, and transportation systems.
Organizations: Current entities focused on new energy sources.
Nanotechnology

Companies That Power America

- Utilities and Agencies With Power
- Case Study: North Carolina
- Clearing the Air: Energy and Pollution

The Technologies that Generate Electricity

- Power Players: FERC, NERC, and the IEEE
- What is Deregulation?

The Future of Energy Companies

- The Business of Energy
- Business Case Studies: Constellation and Exelon

Repeated incidents of late work may result in a teacher-student-parent conference to examine and correct the student's work habits through an academic contract.

Resources:

Center for Electronic Workforce Development Energy Industry Fundamentals Certificate Course 2.0
Scientific journals and articles
Online databases and tools
Guest speakers from the energy industry

Materials:

5 Composition Notebooks
Pens or Pencils
Wired Headphones with 3.5mm jack
2-3" Binder (Engineering Notebook)
Loose Leaf Paper (College Rule OK)

This syllabus provides a structured framework for the course, ensuring a comprehensive understanding of energy and power generation, transmission, and distribution while aligning with academic standards and fostering essential employability skills.

_____
Student Printed Name

_____
Student Signature and Date

_____
Parent Printed Name

_____
Parent Signature and Date

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