What does a Career in the electricity sector mean for your students?

TEACHERS’ LESSON PLAN
Lesson 1 of 2

Part 1

Time: 15 minutes

Icebreaker: Find Your Match

Trades

- Power Line Technician
- Electrician
- Power System Operator
- Sustainable Future Facilitator
- Intelligent Energy Specialist
- Engineer
- Project Manager
- Operations Manager

Definitions

- in charge of supervising projects from start to finish, overseeing the various stages of design and execution all the way to completion.
- constructs, repairs and maintains transmission and distribution lines on poles, towers and structures.
- controls the transmission and distribution of electrical power, monitoring and switching portions of the power grid and communicating with field crews.
- responsible for laying out, assembling, repairing, maintaining, connecting and testing electrical fixtures, apparatus, control equipment and wiring.
- in charge of power generation, distribution, transmission or field operations, including setting targets, budgets and work procedures.
- helps assure a sustainable, clean energy future by working to increase energy efficiency.
- designs, installs, maintains configurations and tests sophisticated equipment used to control and monitor the electrical grid.
- uses mathematics, science and business knowledge to find cost-effective and safe solutions to difficult problems.

Procedure:

- Write each of the eight skilled trade careers on individual 3x5 cards.
- Write a brief definition of each of the respective seven electricity skilled trades careers on individual 3x5 cards.
- This should give you eight pairs which will accommodate a group of sixteen students.
- Depending on the size of your class you can provide multiple 3x5 cards of the careers and definitions. (So if you have a class of thirty-two you can double the number of cards.)
- Place the cards in a bag, mix them up and have each student pick out an individual card.
- Have the students walk around the classroom to find their match. Once they find their match, they can sit down as a pair.
- Once all of the students have found their match, take up the exercise to ensure there are no mismatches.

Part 2

Time: 15 - 20 minutes

Procedure:

- Have students individually read the student guide.
Lesson 2 of 2

Part 4

Activity: Employee Wanted (mock interview)

Procedure:
- As the teacher, you will play the role of the interviewer. (You can also choose to ask a few of your students to play this role.)
- The interviewer will be responsible for conducting a short interview with each of the applicants looking for a job while the rest of the class rates the interview.
- Select one group member from each group that will be the applicant (or have each of the groups select a spokesperson/applicant for their group).
- The interviewer and applicant role play for five minutes.
- The interviewer can ask the applicant the following questions:

Tell me why you are interested in pursuing a career as a ...  
I am interested in using both my head and my hands. I know that an electricity career will offer me respect, opportunity, choices and a good paycheck.

Describe any experience that you may have related to this particular job.  
(This is where some of their creativity may shine through)  
I seem to always be the one around the house that is fixing any electrical problems ...  
I’m very committed to helping protect the environment and I’ve taught my family how to conserve energy ...

What level of education have you completed and what specific courses have you taken that are required for this job?  
(This is where some of their creativity may shine through)  
I have a lot of experience with computers so people always come to me to fix their problems ...

What should be referencing the specific information in each brochure depending on the career for which they are applying.
### Power Resume Words

| A | Accelerated, accomplished, achieved, addressed, administered, advised |
| B | Bought, briefed, broadened, built |
| C | Catalogued, caused, changed, classified, combined, converted, coordinated |
| D | Dealt, decided, delegated, delivered, demonstrated, documented, distributed |
| E | Earned, eliminated, enlisted, ensured, established, evaluated, extended |
| F | Filed, focused, formulated, founded |
| G | Gathered, graded, granted, guided |
| H | Halved, handled, helped |
| I | Identified, implemented, instructed, interpreted, invented, influenced, inspected |
| J | Joined, kept, launched, learned, lectured, licensed |
| M | Made, matched, managed, measured, modified, monitored, motivated |
| N | Named, navigated, negotiated |
| O | Observed, opened, operated, ordered, organized |
| P | Participated, performed, planned, prepared, processed, programmed |
| Q | Qualified, questioned |
| R | Raised, rated, received, recommended, regulated, repaired, reported, resolved |
| S | Saved, set up, serviced, specified, streamlined, strengthened, structured |
| T | Tackled, targeted, taught, traced, transformed, trimmed |
| U | Uncovered, understood, updated, used, utilized |
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