

EP 4 - CLASSROOM TO CAREERS: WHAT HAVE YOU HEARD ABOUT BECOMING AN ELECTRICIAN

Name: _____

Date: _____

After watching the *Classroom to Careers* video, complete the tasks below about the four trades:

Section 1: What Do Electricians Do?

1. List three key responsibilities or things an electrician does day to day

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2. What skills are important for electricians to have? Name two

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3. Name two myths that were mentioned

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Section 2: Electricians & Maths

Electricians use maths all the time! Have a go at the equations below.

1. Circuit Load Calculation:

An electrician is planning to add three lights to a room. Each light uses **0.5 amps** of current.
The circuit can safely carry up to **2.5 amps**.

Can the electrician add all three lights to the same circuit? Show your working.

Total current needed =

2. Measuring Cable Length:

A house needs 4 electrical outlets. Each outlet needs **2.8 metres** of cable.
How many metres of cable are needed in total?

Answer

3. Converting Units:

A tool draws **1500 milliamps** (mA) of current. How many **amps** is that?
(1 amp = 1000 mA)

Answer:

Section 3: Pathways**1. What are two ways someone can become a qualified electrician?**

(Write two different routes mentioned in the video or that you know of.)

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2. What are two possible pathways that may be similar to electrical?

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Section 4: wages:

Research the average salary of an electrician in your area. Write it below and compare it to another job you're interested in.