

Electricity & Safety Unit

Teachers notes - Lesson 2 - Slide 19

Dangerous situation 2



Explain the following scenario to your students.

Bruce is working on a job site where he needs to clear some land for a building project. He is in a rush to finish for the day and doesn't see the powerline above his excavator. This results in Bruce hitting the power lines with the excavator and causing them to fall down.

Explain to your students the dangers involved in this scenario:

- If any of the workers come into contact with a live powerline or anything the powerline is touching (such as the excavator or a fence), they could receive an electric shock and hurt themselves. They must stay at least 10 metres away from the fallen powerline
- Power supply to surrounding areas could be affected – this includes your house, shops and street lights
- The workers will have to stop working until the powerlines are repaired