



### ? How to use this worksheet

- Ask the children questions about the picture on the worksheet and the place where the children in the picture are thinking of making a den. Ask them how they can tell that this is a dangerous place and not somewhere that they should play.
- Point out the warning sign and ask why the children in the picture might ignore it.
- Talk about what substations look like. Some are large and contain a lot of noisy machinery inside high metal fences. Others are smaller, with the machines housed in buildings or behind wooden fences. The machines might look harmless, with no visible wires or flashing lights, but there are always cables that carry very powerful currents and which can deliver a fatal electric shock.



### ⚡ Key Electricity Facts

- Electricity is generated at a power station (or other source, such as a hydro-electric plant or wind farm) and has to be brought to the places where it is needed.
- Point out that the electricity has a very high voltage that has to be reduced before it reaches buildings. Substations are the places where very high voltage electricity is converted to lower voltages. They are dangerous places and children should always stay out.
- Electricity can kill. High voltage electricity can jump across gaps between wires.



Exercise Extension: Organise a class debate, in the eyes of Ben and making his decision. Half the class share ideas for "If I go with them" and the other half discuss ideas for "If I don't go with them".

### National Curriculum supporting information

#### PSHE/CITIZENSHIP

##### Developing a healthy, safer lifestyle:

3e) recognising risks in different situations and deciding how to behave responsibly

3f) that pressure to behave in an unacceptable or risky way can come from a variety of sources, including people they know, and how to ask for help and use basic techniques for resisting pressure to do wrong

#### ENGLISH

##### En3 Writing, Breadth of study:

9c) to persuade, focusing on how arguments and evidence are built up and language used to convince the reader



#### Related Material

[www.alliantenergykids.com/FunandGames/OnlineGames/007006](http://www.alliantenergykids.com/FunandGames/OnlineGames/007006)



Ben knows what he should do but it is not easy.



What might Ben think about? Write in the bubbles below.

If I go with them...

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If I don't go with them...

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**Now try  
this!**

Make "If" lists for another difficult decision about playing near electricity.