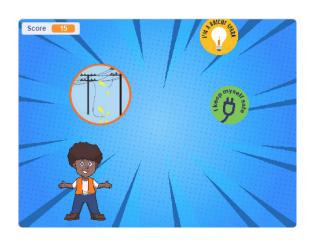
Electrical Safety Catch

Create a catch game. Code your sprite to catch the safety badges and avoid the dangerous situations. Can you reach a score of 50?



INTRODUCTION



What you will need

HARDWARE

A computer capable of running Scratch 3

SOFTWARE

Scratch 3: either online rpf.io/scratchon or offline rpf.io/scratchoff

What you will learn

- · How to create falling objects
- · How to add a score
- How to use variables

Starter Project

https://scratch.mit.edu/projects/849547821/

Additional notes for educators

Here is a link to the completed project https://scratch.mit.edu/projects/848866804/

This project is a collaboration between Code Club Australia and New South Wales electricity distributors Ausgrid, Endeavour Energy and Essential Energy. Read our blog to learn more about the project.





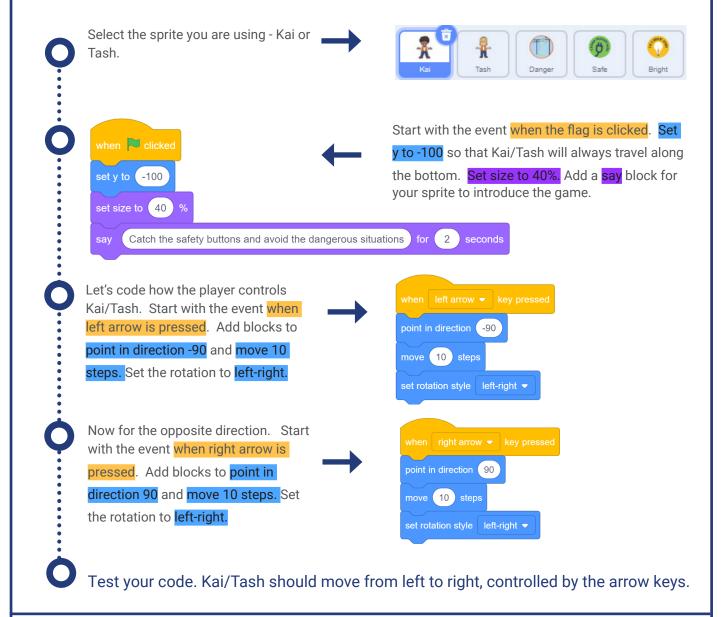




STEP 1 - CHOOSING YOUR CHARACTER

Open the starter project - https://scratch.mit.edu/projects/849547821/

For this project you can choose which sprite you would like to use. Your main character can be Kai or Tash. Delete the sprite that you do not want to use.



STEP 2 - FALLING ITEMS

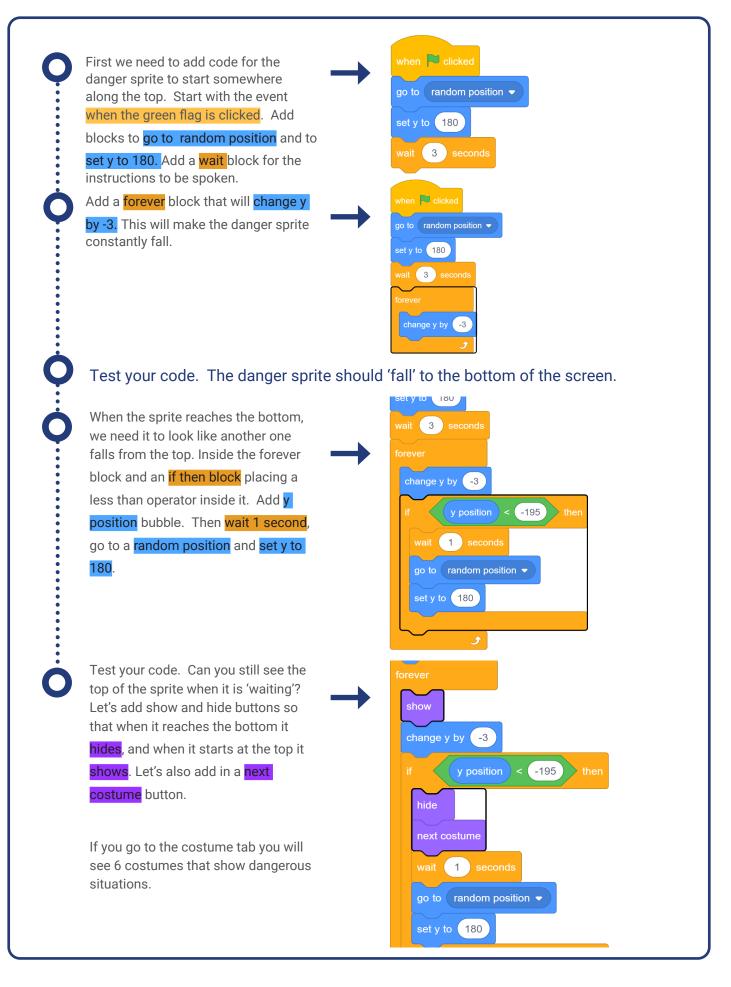










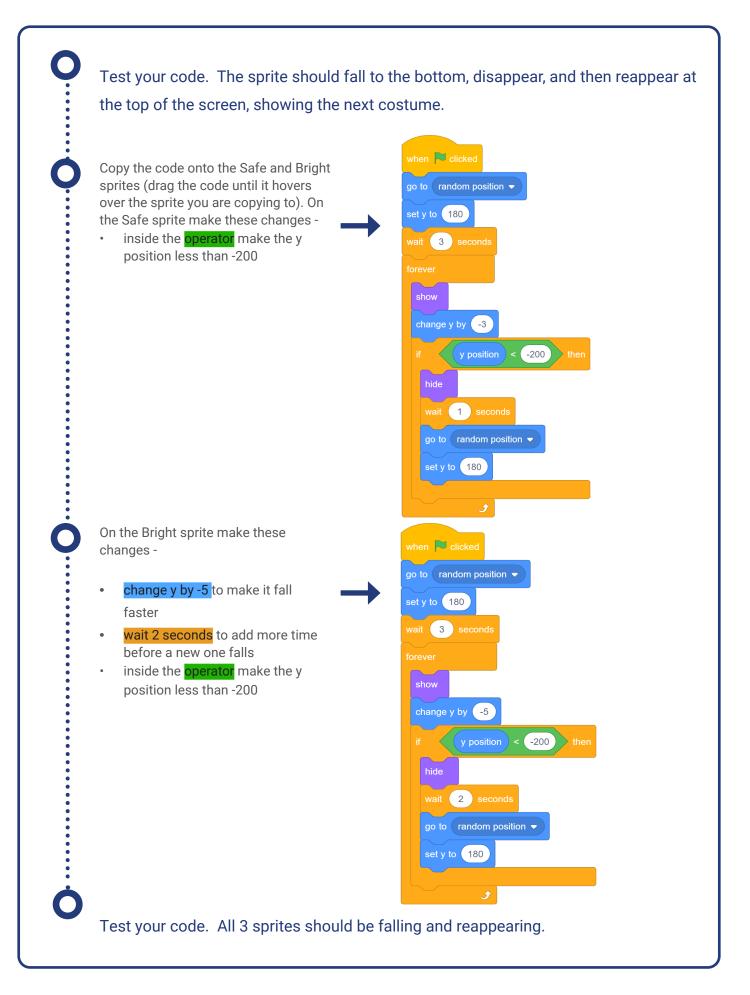








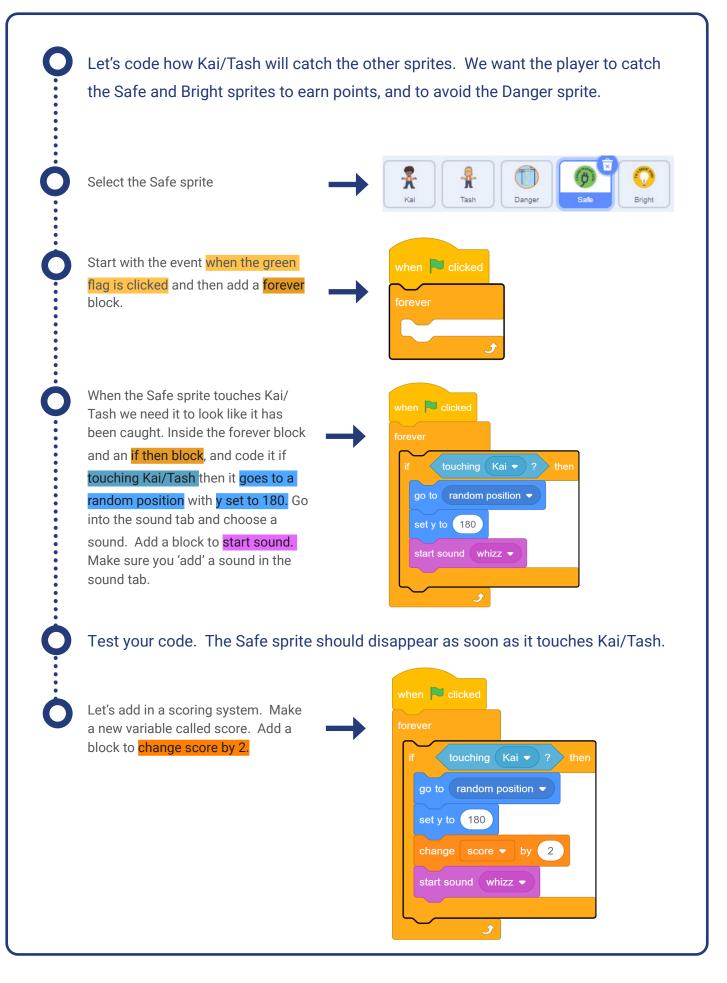










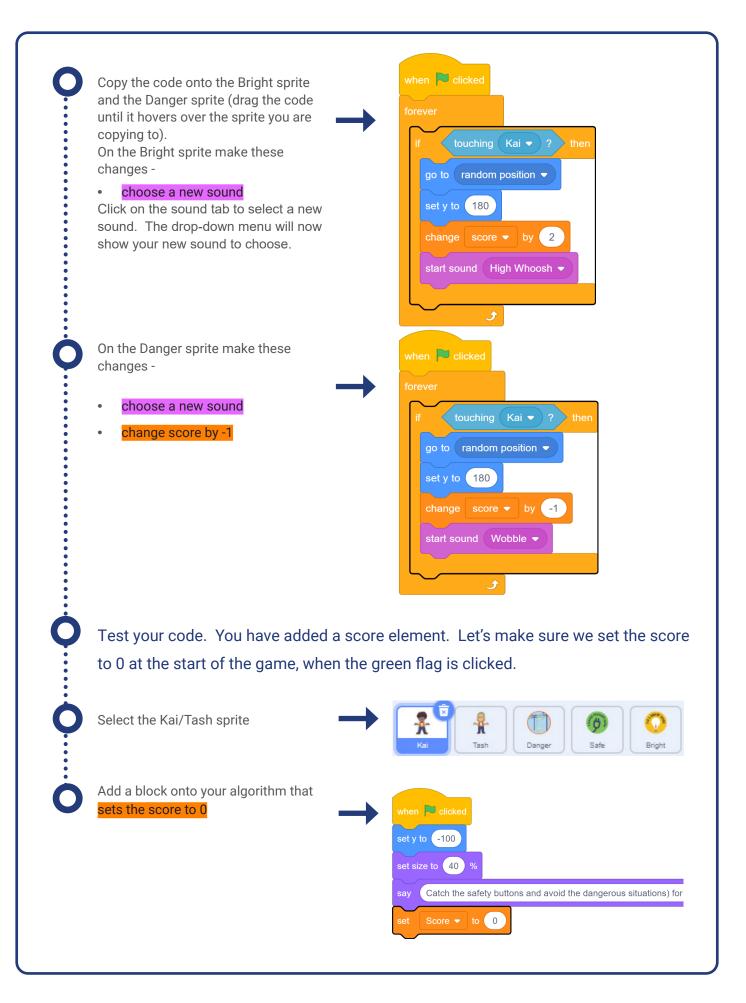










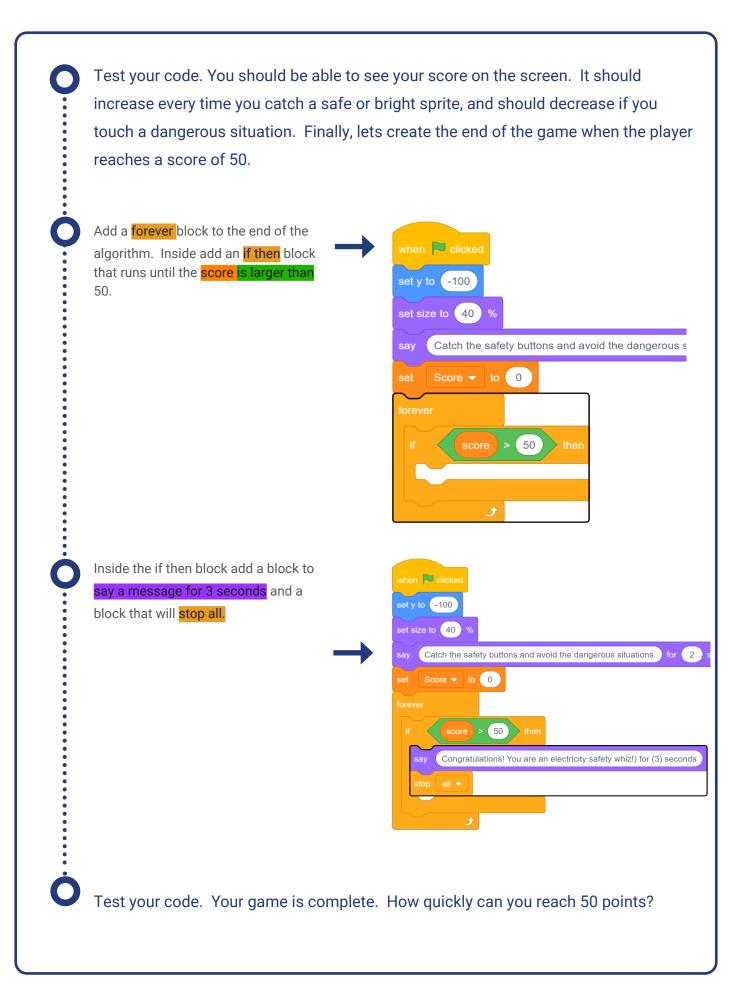




















Challenges:

Finishing the game

The finish to the game is really simple. Tell someone the right things to do if you were in these situations in real life. Can you add these messages to your game? Some messages may be -

- Play it safe! Stay clear when powerlines are near
- Spot a fallen powerline? Keep at least 8 metres away and tell an adult
- Don't be a stranger to electrical danger. Use appliances safely and correctly
- Felt a zap from a tap or appliance? Keep away and tell an adult to report it
- Electrical equipment and enclosures are no go zones. Keep well away
- Storms can be dangerous! Always seek shelter and play indoors.

Difficulty

Can you increase the difficulty of catching the sprites? Perhaps you will change their speed, size, points or number of sprites falling at the same time. Maybe you could make changes to your sprite so that it starts moving slowly and then speeds up.

Multi-level game

Can you add in a second level to the game? There are many things we could use to help others learn about electrical safety. Create a 2nd level that teaches more.

Congratulations!

You have created a game that will help others learn about being safe around electricity.

For more information head to your energy providers website:

- Ausgrid
- Endeavour Energy
- Essential Energy

If you have permission to share your projects we would love to host them in our Electricity Safety Week studio. Click here to share your project









