

Vic Road Trip

Take a tour of famous places across Victoria. How many have you been to?



INTRODUCTION



What you will learn

- How to use broadcast
- How to use costumes
- How to use the pen extension tool

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

Additional notes for educators

Here is a link to the completed project https://scratch.mit.edu/projects/790929534/

Read this <u>blog post</u> for information about the Code of Origin project by Code Club Australia.

Starter Project

https://scratch.mit.edu/projects/792590084/



STEP 1 - ADDING THE PEN EXTENSION

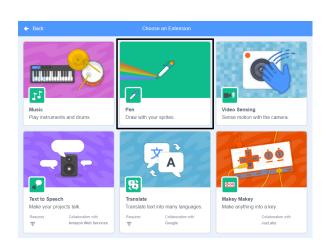
Open the starter project - https://scratch.mit.edu/projects/792590084

This project uses the pen extension. This is an extra set of coding blocks that allow the user to 'draw' with a pen.

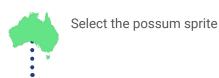
In the bottom left of your screen click on the Add Extension button.



Select the Pen box to add this tool to your screen. You will notice a new set of blocks are now ready to use.

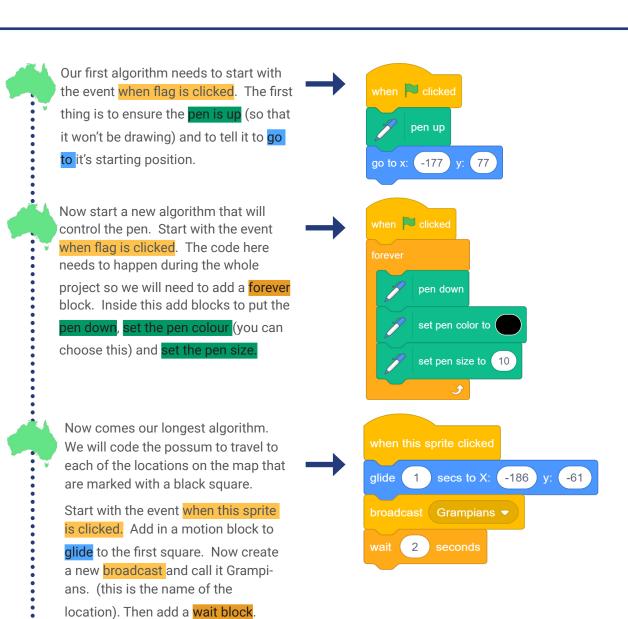


STEP 2 - POSSUM



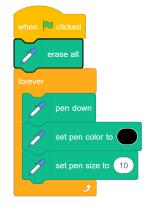


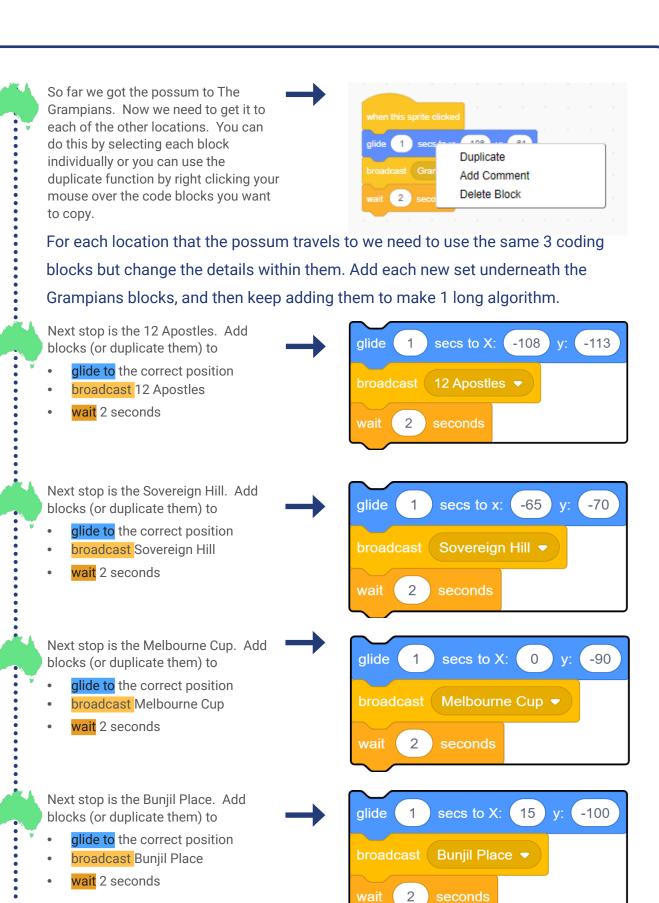




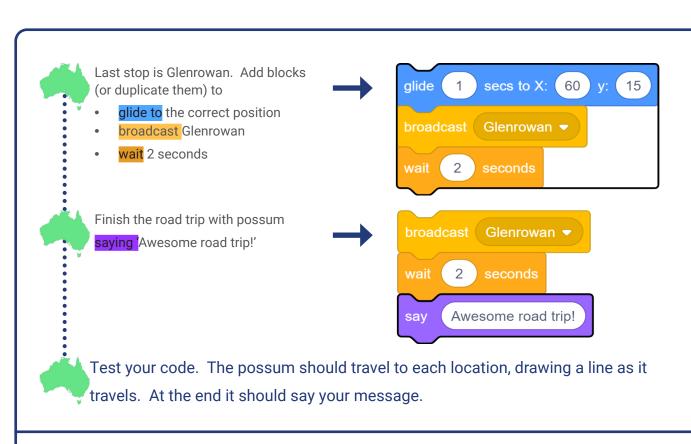
Test your code. Remember to click the green flag and then click the possum to make it start moving. You should see the possum glide on the screen and draw a line going straight down. If you test your code a second time you will discover a small problem. Do you see it?

The line you drew from the first time is still there! Let's add a block to our code to erase all pen lines when the green flag is clicked.

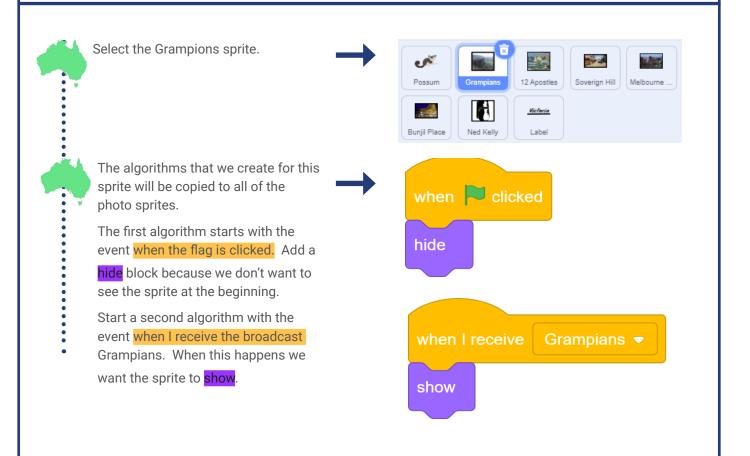


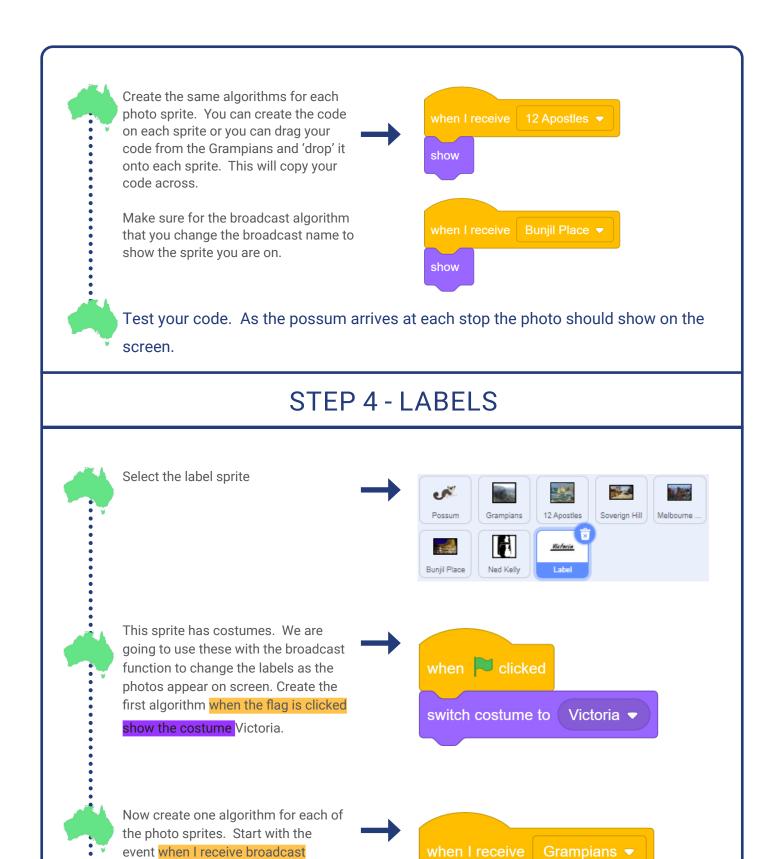






STEP 3 - PHOTOS





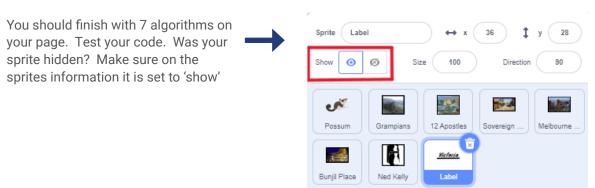


switch costume to

Grampians. Add a block to switch

costume to Grampians.

Grampians -



Your page should look like this.

```
when I receive Soverign Hill 
when I receive Soverign Hill 
when I receive Bunjil Place 
switch costume to Bunjil Place 
switch costume to Glenrowan 
switch cost
```

Test your code. The road trip should play from start to finish when you click the flag and then click the possum. Each photo should show on screen when possum reaches the next destination, and the name at the top should match the photo.

Challenges:

Add information about each place

All of these locations have been chosen as a unique place to visit in Victoria. Many people won't know why these places are unique. Research each location and add this information to your project. You could add

- pop up information boxes
- a change of background to give more images and information
- audio information

Interaction

At the moment we could describe this project as an animation. How could you change it so that the user interacts with it and it is more like a game?

- · Add interaction to get the possum to move each time
- Perhaps it is a game where the user is given a clue and they have to click the correct location.

Change the locations

These locations are not the only ones that people would choose to visit on a road trip. You could

- · add different locations
- · create the project for a different state or territory of Australia
- create the project for a different country
- · create the project for an around the world trip

Congratulations!

You have created a game that will help others learn about Victoria.

Which state or territory will win the Code of Origin? <u>Vote here</u>.





PAGE 8