

What you will need:

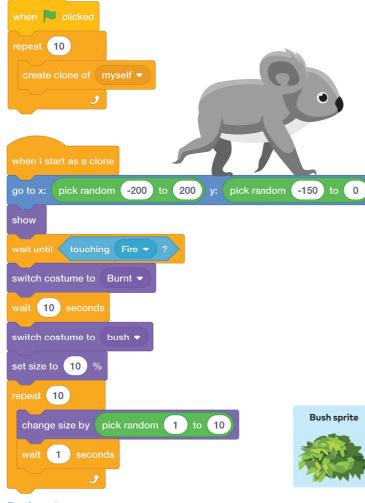
• A computer

- Scratch

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How does it work?

This project uses a free, online coding language called Scratch. It models how bushfires break out and how nature bounces back afterwards. To learn more about forest regeneration go to tinyurl.com/SN-bushfire





The Raspberry Pi when 🔁 clicked Foundation is a **UK-based educational** charity working to put switch backdrop to fire go to (random position show projects at rpf.io/scienceandnature 5 secs to random position glide 2 hide switch backdrop to regrowth

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Foundation the power of computing and digital making into the hands of people all over the world. Discover more step-by-step coding



Bush script

Navigate to bit.ly/mhbushfires on your internet browser and open up the starter project in Scratch. Click on the bush sprite (icon) on the right side of the screen. Build the script (a set of instructions made from a stack of coding blocks) above, by dragging the colour-coded blocks from the list on the left-hand side of the screen.

Snap them together in the coding area. In Scratch, each project begins with the "green flag" hat block.

When you have created the first block of instructions, move on to the longer script underneath. This script places bushes randomly around the screen.

When you are done, check each line carefully.

Fire script

- To add fire to the stage, click on the fire sprite and build this script. Begin with the "green flag" hat
- block as usual.

Carefully copy the script above into the coding area in the middle of the screen, checking each

line of code as you go. On some of the blocks you will

need to select the correct word

from the drop-down menu. For example, when you select "switch backdrop to" block, you will need to select fire or regrowth from the drop down menu.

Finish with another "switch

backdrop to" block. Give all the lines and blocks a

final check and test out your game by clicking the green flag.

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