# Creative Coding with Scratch Fireworks!



#### **Getting Started**

Select the **Stars** backdrop. In the **Choose a Sprite** menu, select the **Paint** option. In the **Costumes** tab, draw a firework using bright colours and name it **Firework**. In the **Sounds** tab, use the **Choose a Sound** menu to add the **Cymbal** sound to your **Firework** sprite.

#### **Challenge 1**

Can you make the Firework appear and make a sound, then disappear?

#### Challenge 2

Can you make the Firework appear in different places?

### Challenge 3

Can you make the Firework different sizes and colours?

### Challenge 4

Can you make the **Firework** appear and disappear repeatedly?

### Challenge 5

Can you make several duplicate Firework sprites appear to create a display?

#### I can:





# Helpful Hints Fireworks!

Use these hints to help you complete the challenges. They will not give you the complete solution to the algorithm but should help you on your way.







Create multiple **Firework** sprites by right-clicking on the sprite and selecting duplicate. This will not only copy the costume but also all of the scripts for that sprite.





# Creative Coding with Scratch Fireworks! Answers

Each Creative Coding Challenge is an open-ended task, which can be approached in many different ways. Pupils should be encouraged to have a go and tackle these tasks independently. The helpful hints are not intended to provide complete solutions but may serve as useful cues for supporting less-confident coders.

The following algorithms are just one possible solution to each challenge.





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# **Creative Coding with Scratch**

## Fireworks! Answers



