

**EDULiTO**

# Creating Fun Games Using Scratch



**Photocopiable Resources**

Scratch is developed by the Lifelong Kindergarten Group at the MIT Media Lab.

See <http://scratch.mit.edu>

## Give your students a better chance of success

Edulito is a UK based educational publishing company that has been set up to ensure that students have a real opportunity to fulfil their potential. All of the available resources have been tested in UK schools to ensure that they provide students with a meaningful experience and provide teachers, parents and students with a clear indication of progress.

This resource has been produced to teach KS2/KS3 students about programming concepts by creating fun games using the visual programming language Scratch. The activities and challenges have been designed to provide a stimulating, engaging and effective way of improving students' knowledge of the core programming concepts.

SAMPLE

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## Game 1 - Burst that Balloon

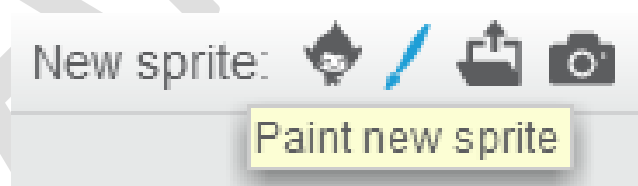
To make this game you will need a computer that is connected to the Internet. Type **Scratch** into a search engine e.g. **Google** and then select the Scratch website. Once you have opened the Scratch website choose **Create**.



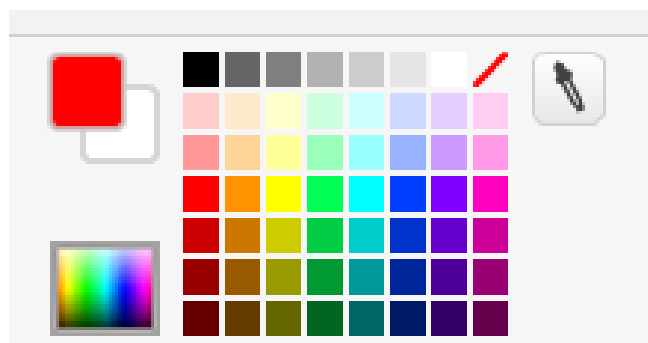
### Making a Balloon

We are going to start by making some balloons.

1. Start by selecting the **Paint new sprite** icon?



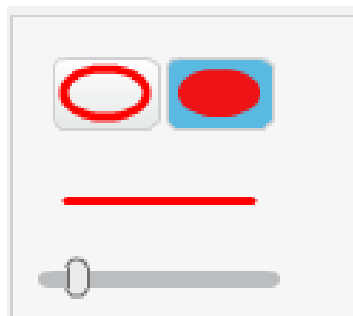
2. Choose the colour **red** to make a red balloon.



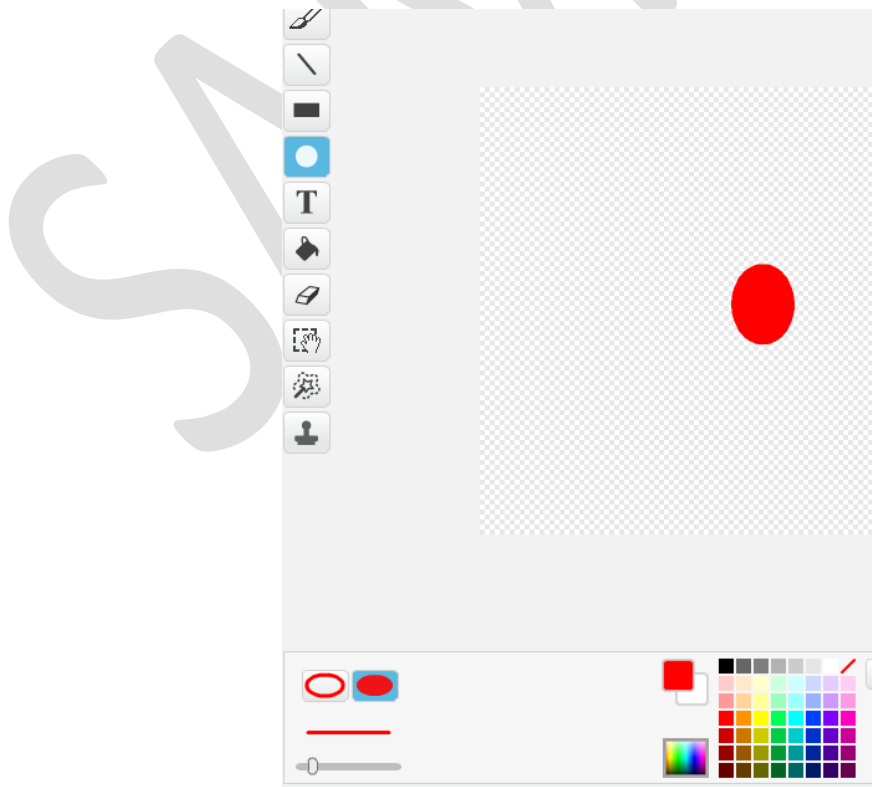
3. Select the **Ellipse** tool.



4. Choose the **Solid** ellipse.



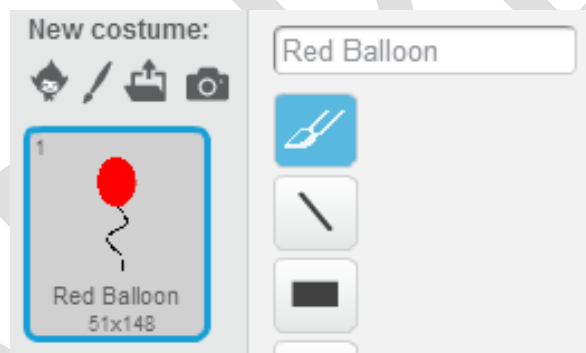
5. Your balloon should look something like this. Don't make the balloon too big.



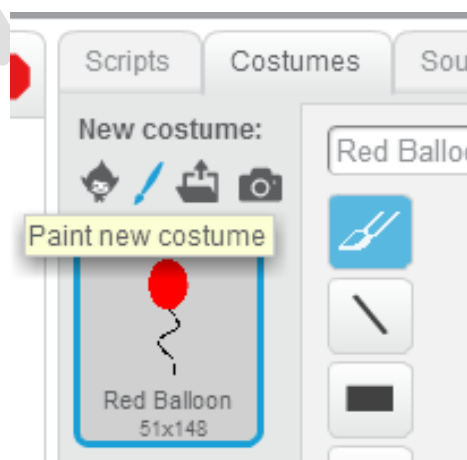
6. Select the colour **black** and use the **Paintbrush** tool to add some string to your balloon.



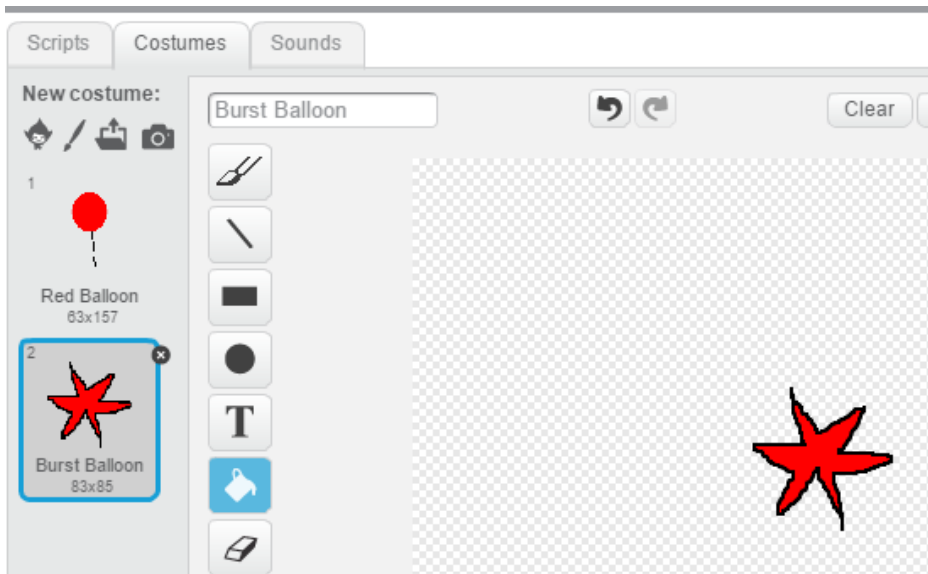
7. Rename **Costume 1** so that it is called **Red Balloon**.



8. We are now going to make another costume for the red balloon sprite to show what it looks like when it bursts. Select **Paint new costume**.



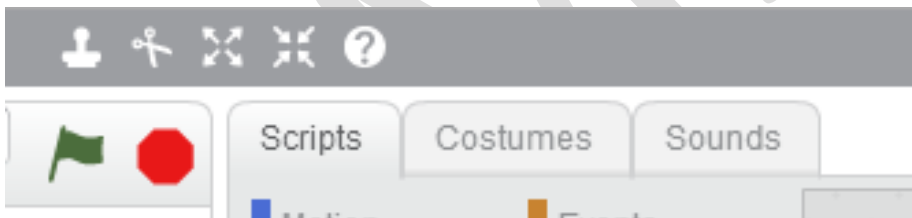
9. Now create a “burst” balloon image and name it **Burst Balloon**.



10. You have now made a **balloon** costume and a **burst balloon** costume.

### Making My Balloon Move

1. Start by selecting the **Scripts** tab. The script area is where you will build your computer code.



2. Use the coding blocks to create the script shown below.

