



# STEM from Home

## Halloween!

Join the spooktacular STEM fun and complete our fangtastic activities to keep the little monsters educated and entertained this Halloween!

In this pack, children will code a ghost catching game with Scratch, undertake a pumpkin science experiment, play scary spot the difference, make their own Halloween bunting and play Spooky Bingoo!



### Ghostbusters!

#### Introduction

In this project, you are going to use Scratch to make a ghost-catching game!

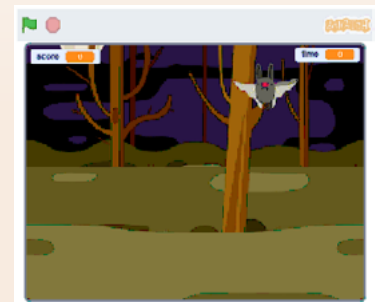
#### What you will need

A computer capable of running Scratch 3 either [online](#) or [offline](#).

#### What you will learn

You will learn to understand the need for pauses between actions within loops, how to use code to generate random numbers in Scratch and how to add a variable to store a game score in Scratch.

[Access this activity.](#)



### Pumpkin Science Experiment!

Create your own self-inflating pumpkin with this quick and easy science experiment!

You will need:

- 1 Balloon
- 1 Plastic Bottle
- Felt Tip Pens
- Baking Soda
- Vinegar
- Food Colouring

Access the [template for this activity](#).



## Scary Spot the Difference!

### Introduction

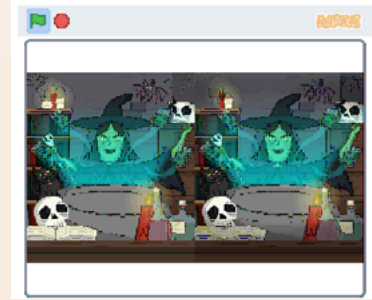
In this project, you will use Scratch to create a Spot the Difference game with a scary surprise, to prank your friends and family.

### What you will need

A computer capable of running Scratch 3 either [online](#) or [offline](#).

### What you will learn

You will learn how to use a loop to detect events, how to use the random operator and how to play an imported sound. [Access this activity](#).



## Halloween Bunting!

Decorate your home this spooky season with your own Halloween themed bunting! Colour in bats, pumpkins and ghosts with your own designs, then simply join your designs with glue or tape.

Access the [template for this activity](#).



## Spooky BINGOO!

Test your family's maths skills with our Spooky Bingo game!

Compete against up to 7 other players as you test your maths skills in our Halloween themed bingo game.

Access the [template for this activity](#).



Ask your parent/Guardian to upload pictures of your STEM creations to [Twitter](#), [LinkedIn](#) or [Facebook](#) using [#STEMfromHome](#) and [#ExperienceCGI](#), remember to tag us!



For more information or additional support with STEM activities when working remotely, contact [enquiry.uk@cgi.com](mailto:enquiry.uk@cgi.com)