

# Year 3: Computing and Online Safety

## Understanding Algorithms

**Scratch** is a **computing based coding programme** which can be used to create your own **interactive stories, games and animations**. Scratch is also a platform where your creations can be shared and exported on the web.

In Scratch, characters and objects are called **sprites**, and they appear on the Stage.

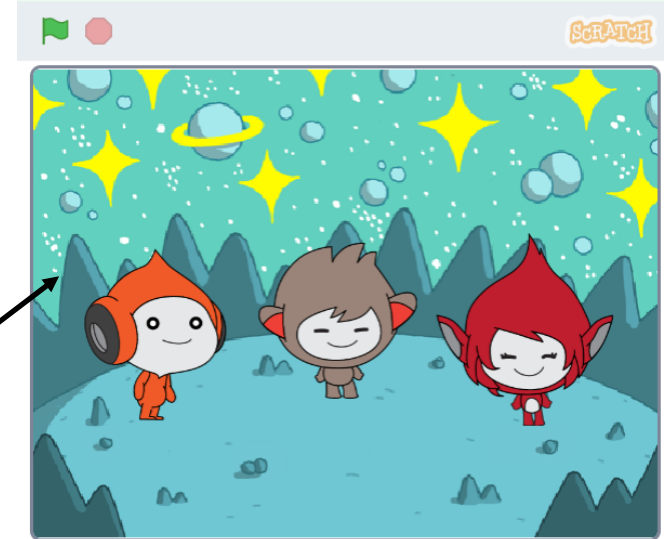
You will:

- add **sprites** and a **backdrop** to set up your project;
- click on sprites to make them **communicate** using Looks and Sound code blocks.



### How to Create a Scene on Scratch:

1. Visit <https://scratch.mit.edu/>
2. Choose a backdrop.
3. Choose a Sprite.
4. Explore the various motions and sounds.
5. Save your project.



## Vocabulary

algorithm	A simple set of instructions.
animation	The creation of moving images.
backdrop	The setting or background of a scene.
coding	The process of writing computing programs.
digital footprint	A record of what you do online.
export	To transfer something to the web.
interactive	Allowing a two-way flow of information between users.
motion	The process of moving or being moved.
Scratch	A coding programme used to create interactive stories and games.
sounds	Music, speech or sound effects.
sprite	A character in Scratch.
trail	A path, or track, that someone can follow.

## Managing Information Online

A **trail** is a path, or track, that someone can follow. A **digital trail** can be followed to find out more information about you.

A **digital footprint** is a record of what you do online, including the sites that you visit and the things that you share.

You will be discussing what you could share online such as your hobbies, interests and favourite things. You will also be discussing the **private information** that you shouldn't share online, such as your full name, address, phone number or school name.



CRC Article 29: All children have the right to be the best that they can be.  
CRC Article 19: All children have the right to be safe.

