STEM@CGI

SCIENCE - TECHNOLOGY - ENGINEERING - MATHEMATICS

CGI

STEM@CGI at Home

"STEM@CGI At Home" offers weekly STEM based activity packs with practical STEM activities for children. **Get your family involved, learn and have fun**!

ACTIVITY – CREATE YOUR OWN WORLD

Introduction

In this project, you'll learn how to create your own adventure game world, with multiple levels to explore.

[Access this activity](#)

What you will need

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

What you will learn

In this activity, you will learn how to use conditional selection to react to key presses, how to use variables to store a game's state, how to use conditional selection based on the value of a variable and how to use lists to store data.

BONUS ACTIVITIES

- [Canine Quiz](#)- Learn how to use App Inventor to make a quiz
- [Cats!](#) - Create a game to guide cats to safety and stop them falling down holes
- [Deep Sea Sushi](#) - Make a fun game with Scratch
- [Flappy Parrot](#) - Create a game to guide a parrot past moving obstacles
- [Memory](#) - Create a game to memorize and repeat random number sequences.

Stay healthy and safe!