



# Coding & Creativity

**Be  
STRONG  
ONLINE**

An Ambassador Programme  
From The Diana Award



## Learning Objectives

- Students will discuss how learning to code can help you to 'be strong online'
- Students will generate ideas for how coding could be used in the future
- Students will be able to use programming language to create a game or move a 'robot'

## Ground Rules

- Everyone has the right to 'pass' on a question if they don't want to answer
- Everyone has the right to be listened to
- There should be no shouting out
- Everyone should feel comfortable asking questions

## What is Coding?

- Coding is also known as programming. It involves designing, writing, testing and maintaining computer programs.
- In this 20 minute session we'll be looking at what coding is, why it's important, and how it can help you in your future.

## Coding & Creativity

- This is part of a programme called Be Strong Online: knowing about coding will help you to 'be strong' for two reasons:
  - Knowing how and why programs are designed the way they are will empower you – imagine if instead of just playing games or using social media, you could create new games and new ways for people to connect with each other!
  - Coding will open doors in your future. What would your dream job be? Whether it's working in fashion or journalism, health or TV, knowing about coding will give you the edge in a huge amount of industries.

## Ideas Challenge

The apps of the future

New wearable devices

Objects connected to the internet

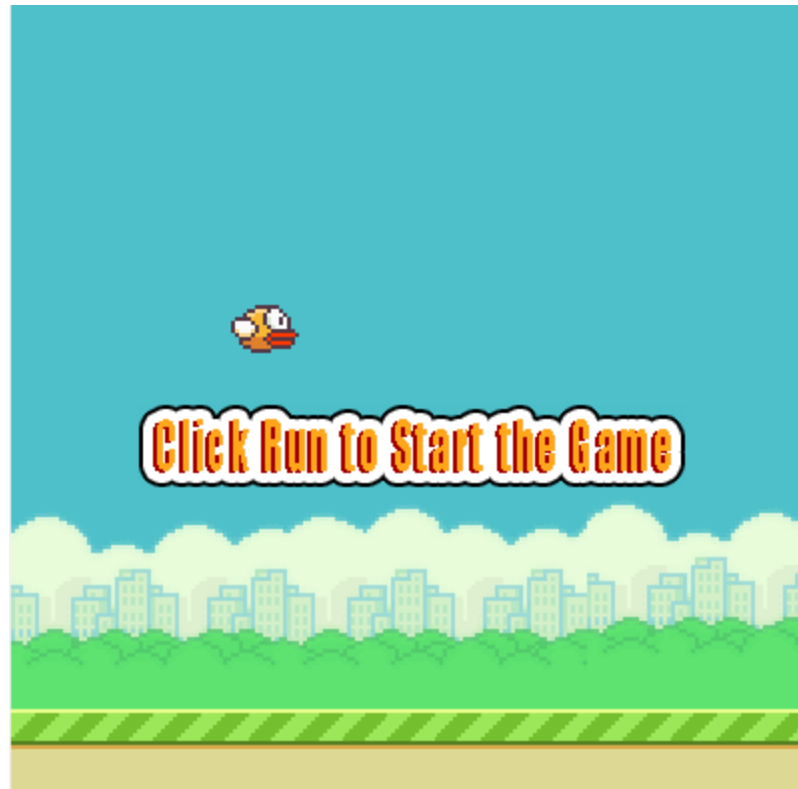
The next social network

Internet-connected clothing

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## Activity A – Flappy Bird

- o <https://studio.code.org/flappy/1>



## Activity B – Play Lab

- o <https://studio.code.org/s/playlab/stage/1/puzzle/1>

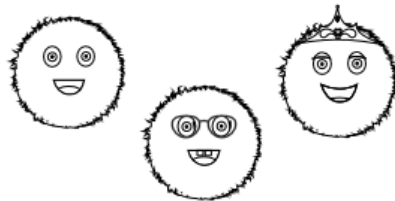




## Activity C – Fuzz Family Frenzy

### Kodable fuzzFamily Frenzy

You have been chosen to help the fuzzFamily explore earth. Program your robot to complete the obstacle course using the code :



	Left	Right
Leg Forward		
Leg Backward		
Body Rotate		
Grab		
Drop		
	Jump	
	Squat	

# Thank you!

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