



St Leo's and Southmead
Catholic Nursery and Primary
School

Year
SIX

Computing Knowledge Organiser

Spring-
Term

Amazing Activity

- Write to a publishing company with ideas for a new game.

Crossy Roads

Key Concepts

Lesson	Driving Question
1	What is coding? What is decomposition?
2	What is the key vocabulary you need to know when coding?
3	How are games made using visual coding?
4	What extra elements can we code into our game?
5	How can I share my game?

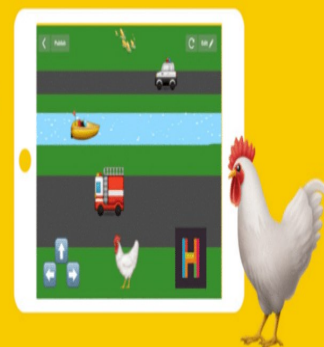
Chicken Run

Based on the Crossy Road app

Coding on iPads with Hopscotch

- Can you create a Coding Journal?
- Can you explain what coding is?
- Can you decompose a game?
- Can you use visual coding to create a working game?
- Can you share a game?

The children will create their own version of the popular app Crossy Roads using visual coding.



Skills

- I can design, plan & create a complex programs.
- I can test, debug and modify a program to improve it.
- I can use logical reasoning to detect and correct errors in algorithms and programs.

Key Vocabulary

- Coding— assigning a code or classification to something.
- Decompose—breaking a problem or system into smaller parts.
- Command— a specific instruction given to a computer application to perform a task or function.
- Loop—a sequence of instructions that is continually repeated.
- Variable—a value that can change.
- Publish—to make content available to the general public.

Year 6

Computing Activities: Crossy Roads

“Nurture, Inspire, Succeed”

