St Leo's and Southmead Catholic Nursery and Primary School

Year Four

Computing Knowledge Organiser

Summer Term 1

Wizard school

Key Concepts

The children will use Book Creator and design a front cover with a title and illustration They will imagine they are a young wizard going to Hogwarts for the first time, take a selfie and use the pen tool to draw on top of their photograph. (Chapter 1)
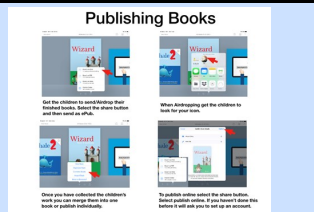They will design their own wizard house (Chapter 2)

Children to continue in book creator, use the pen tool to draw a wand and use the add sound to record a story about themselves and the wand. (Chapter 3)
They will create a potion and list the ingredients (Chapter 4)

Children witl create a dragon and use Puppet Pals HD to make an animation of their dragon. (Chapter 5)

Children will create a spell and a patronus (spririt guardian to provide protection) and describe why that animal reflects them (Chapter 6)
Children to write a story about a 'Death Eater's Escape from Azkaban'. (Chapter 7)
Children will use the Chatterpix app to tell their story.

Children to create a strange animal using the shapes to draw it. When finished they will photograph it and add it to their book. (Chapter 8)
Children to write about something that they are scared off and write about it Add an illustration. (Chapter 9)

Children to publish their books online.
Children to present work to class and self-assess

Publishing Books

The children will use book creator to write their own book with 9 chapters based around the Harry Potter books. The children will learn about coding and 3D animations. They will undertake a series of creative challenges.

Key skills

◆ Produce documents and presentations with increasing competence.

◆ Use different layouts and effects (such as text box, columns, tables, justification, borders, background colour) to refine and improve their work.

◆ Use features such as; add slide transitions and animation effects.

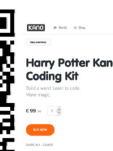◆ Use a keyboard confidently and make use of a spellchecker to write and review their work.

Curriculum Links

English Links: - Write their own storyboard influenced by Harry Potter.

Key Vocabulary

coding	creating computer programming code / writing statements in a programming language / giving instructions.
filters	a program or section of code that is designed to examine each input or output request
audio	sound
URL	address of a webpage
Animation	the technique of photographing successive drawings or positions of puppets or models to create an illusion of movement when the film is shown as a sequence
Virtual reality	computer-generated simulation of a three-dimensional image or environment that can be interacted with in a seemingly real or physical way by a person using special electronic equipment, such as a helmet with a screen inside or gloves fitted with sensors.

Coding Linked to Harry Potter

SHOW ME YOUR CREATIVE GENIUS

Harry Potter Kano Coding Kit

Nurture, Inspire, Succeed