Church Hill Infants

Computing
2021/22

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Year 1 Key Skills

Coding

- Understand what algorithms are and how they are implemented on digital devices.

Using a Computer

- Recognise common uses of information technology in the home and school environment.
- Use technology purposefully to create digital content.

Be an E-Safety expert!

- Understand where to go for help and support when he/she has concerns about content or contact on the internet or other online technologies.

Key Vocab

Algorithm
e-safety
internet
app
typing
mouse
screen
keyboard

I can make marks on a screen and explain which tools I used

The Year 1 Children used the app Scribbaloo Paint to create digital content.

I can use the paint tools to draw a picture

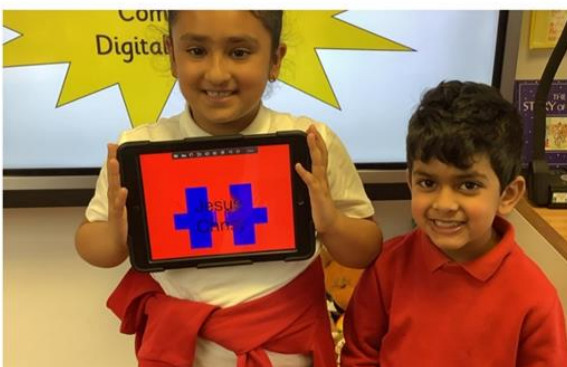I can draw lines on a screen and explain what tools I used

Show me what you can do!

Year 1 Spring Term
Computing
Digital Painting

To explain why I chose the tools I have used:

- I can explain that different paint tools do different jobs

- I can choose appropriate painting tools and colours to recreate the work of an artist

- I can say which tools were helpful and why

Computing
Digital Painting

I used the shape tool of the line to make the snail's hair.

I used the fill button to fill in the shapes.

I used a pen to draw a star like Matisse did on his painting.

I like using the shape tool because it is hard to do with a pen!

I used the undo button when I had made a mistake.

Year One were exploring the different uses for robots in everyday life.

Here are some of the ideas that the children thought of...

Drones for photos

To build big things in factories

To hoover your house

To explore planets

To cut grass

To play with

The children then explored the buttons on the Bluebot.

They learnt to how to use the following buttons.

Church Hill Infants

Year 2 Key Skills

Coding

- Use logical reasoning to predict the behaviour of simple programs.
- Create simple programs.
- Create and debug simple programs.

Using a Computer

- Recognise common uses of information technology beyond school.
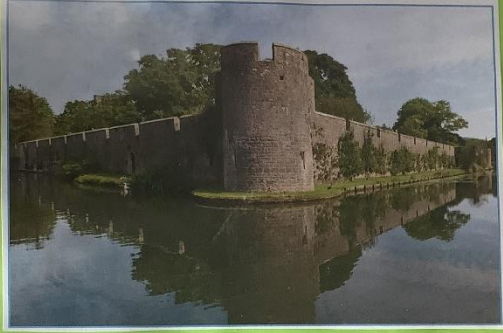- Use technology purposefully to create, organise, store, manipulate and retrieve digital content.

Be an E-safety expert!

- Use technology safely and keep personal information private.

Key Vocab
Debug
e-safety
Internet
App
Typing
Mouse
Screen
keyboard

Features Of A Castle

Look at our wonderful research!

- Battlements – Top of the Castle
- Arrow Loops – Window for shooting arrows
- Moat – Water surrounding the castle
- Bailey – Inside of the castle
- Keep – Main tower
- Portcullis – Heavy door with spikes
- Barbican – Front of the castle

Cross Curricular Work in this history lesson. Children are researching different parts of castles using the iPads.

Children put their coding skills to the test using Coding Awbie.

I can create a paths for my character.

I can predict what my paths my character will need.

I can debug when I make a mistake.

Lesson 1: Taking photographs

Lesson introduction

This lesson introduces the concept that many devices can be used to take photographs. In the lesson, learners begin to capture their own photographs.

Learning objectives

To use a digital device to take a photograph
- I can recognise what devices can be used to take photographs
- I can talk about how to take a photograph
- I can explain what I did to capture a digital photo

Key vocabulary

Device, camera, photograph, capture, image, digital

Preparation

Subject knowledge:
You will need to be familiar with how to capture photographs using different digital devices.

Using I-pads to capture selfies, close up, distance and action shots.

I understand why I should ask someone before I take their photo.

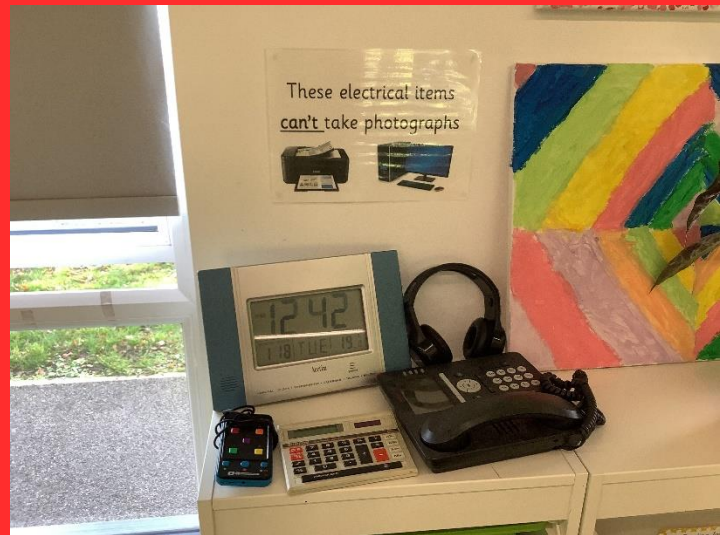I can take good quality photographs using a tablet.

Cross Curricular Comptuing in this maths lesson. Children are using the iPads to explore an app which is helping them with their number fluency.

The app is called One Minute Maths and we talked about how we should use it in short bursts rather than spending too long on our electronic devices.

Computing Displays in Year 2

These electrical items <u>can</u> take photographs

These electrical items <u>can't</u> take photographs

In Computing we were learning how to take photographs. We used various technology including digital cameras and the polaroid, but our favourite was the tablets!

Check out the photos that the children took! We learnt about keeping the camera still, and about the different types of shot we can take, including close-ups, distance and selfies!

Show Me What You Know Task

Mrs Elliot gave the Year 2s a challenge. She asked them to apply what they had learnt in computing by taking 4 photos to show to our new FS starters. She asked for the following skills.

- Correct orientation (Portrait of landscape)
- The whole of the subject is in the picture
- Picture is in focus
- Good lighting
- Appropriate filter if necessary.

Here are some of the pictures that the children took.

Jacob D

Olivia

Neve

Dhilan

Thea

Aaditya