COMPUTING

Year group: 1

Term: Spring

Topic overview

The children will have a weekly one hour lesson in the Computing suite where they will develop their Information Technology, Computer Science and Digital Literacy skills using a range of apps and software packages. There will be additional and frequent opportunities to apply their IT skills across the curriculum and to learn how to stay safe online.

By the end of this unit, I will be able to:

Information Technology

Save my work

Be developing my keyboard skills

Add text to storyboards

Find different types of information from different sources – Education City Learn Screens and assigned tasks

Explore use and benefits of Internet

Enter numbers – Numbots, Pictograms on Purple Mash

Computer Science

To understand what instructions are and predict what might happen when they are followed.

To use code to make a computer program.

To understand what object and actions are.

To understand what an event is

To use an event to control an object. ·

To begin to understand how code executes when a program is run.

 To understand what backgrounds and objects are.

To plan and make a computer program.

Keeping Safe

Describe what information I should not put online without asking a trusted adult first

Recognise that information can stay online and could be copied.

If something happens that makes me feel sad, worried, uncomfortable or frightened I can give examples of when and how to speak to an adult I can trust and how they can help.

Explain rules to keep myself safe when using technology both in and beyond the home.

Prior knowledge

In Autumn term, they will have learnt how to log on, complete a simple task, enter text, use a mouse and save their work (with support).

They will have a basic understanding of what an algorithm is and will have begun logical decision making and learnt how to sequence instructions.

They will know some basic internet safety rules, including how to use passwords and to tell a trusted adult if they encounter any concerning content or contact online.

National Curriculum Objectives

Use technology purposefully to create, organise, store, manipulate and retrieve digital content.

Use logical reasoning to predict the behaviour of simple programs.

Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.

Key vocabulary

Action, background, click, code, communicate, email, enter, event, object, online, private information, log on, photographs, responsibility, rules, run, save, shut down, text, (Zip it, Flag it, Block it)