COMPUTING

Year group: 2

Term: Summer

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

Log on independently to the PC's and some websites

To explore how a story can be presented in different ways.

To make a quiz about a story or class topic.

To make a fact file on a non-fiction topic.

To make a presentation to the class.

Keeping Safe

To can explain some rules for keeping information private.

To understand how to search safely on the internet.

To know that not everything is true online.

To recognise that content online may belong to other people.

To know who to talk to if they are uncomfortable with any online content or contact.

Computer Science

To learn about data handling tools that can give more information than pictograms.

To use yes/no questions to separate information.

To construct a binary tree to identify items.

To use 2Question (a binary tree database) to answer questions.

To use a database to answer more complex search questions.

To use the Search tool to find information.

Prior knowledge

Children will know basic internet safety rules, including understanding different forms of communication and that personal information should not be shared online and that they must report anything concerning to a trusted adult. They will have some knowledge of the benefits of balancing screentime.

They will be able to log on, load digital work, create some content,

They should understand what an algorithm is and be able to create a program using a given design, to include a collision detection event and a timer. They should be able to understand and debug simple programs.

National Curriculum Objectives

NC objectives

Create and debug simple programs.

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

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

Binary tree, data, database, field, pictogram, record, search, sort

E-book, fact file, fiction, mind=map, presentation