

Year 3 Computing - Curriculum Overview

Key facts

Children will learn to -
Competence in coding for a variety of practical and inventive purposes, including the application of ideas within other subjects.

The ability to connect with others safely and respectfully, understanding the need to act within the law and with moral and ethical integrity.

An understanding of the connected nature of devices.

The ability to communicate ideas well by using applications and devices throughout the curriculum.

Autumn 1 – Connect

Brief summary/ overview

Children will learn this concept involves developing an understanding of how to safely connect with others.

Prior Knowledge

Children have been taught e-safety rules across their schooling at Millfields. They know about talking to strangers and how to treat others when online as well as not sharing personal information.

Key Vocabulary

Safety, online, personal information, passwords, privacy.

Resources

Thinkuknow websites
Purple Mash
Laptops

Cross curricular links/visits

PSHE – Personal information

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- The ability to communicate ideas well by using applications and devices throughout the curriculum.
- The ability to collect, organise and manipulate data effectively.

Prior Knowledge

Children have collected data for graphs in maths lessons. They have previously begun developing typing skills through computing sessions.

Autumn 2 – Collect and Communicate

Key Vocabulary

Spreadsheet	cells
Graphs	calculate
Data	
Touch type	
Posture	
Keyboard	

Brief summary/

Children will learn to collect data and input into spreadsheets. They will develop their touch typing including which fingers to use and the correct posture to support typing on a keyboard.

Resources

Laptops
2type
2calculate

Cross curricular links/visits

Maths – data

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Prior Knowledge

Children will have prior knowledge of use of using ipad and other technology to take photographs.

Spring 1 – Photography

Key Vocabulary

Focus lighting
Upload pixels
Share flash
Edit

Brief summary/ overview

Children will learn to follow instructions to take specific photos. They will begin to act on feedback to make improvements to their own work. Children will recognise the meaning of copyright and how it impacts on their and other's work. Children will explore how to work safely and effectively, taking consent into consideration.

Resources

- iPads
- AirDrop for sharing photos.
- 2Blog/Purple Mash display boards (for sharing)

Cross curricular links/visits

Art – Landscapes

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Prior Knowledge

Children have an understanding of how data is used and recorded.

Spring 2 - How to safely connect with others

Key Vocabulary

Email
Attach
Recipients
Data
Reply

Brief summary/ overview

Children will learn to a range of different ways to communicate with others. Children will discuss and identify the strengths, weaknesses and features of different communication methods and recognise ways to stay safe when communicating online. Children will read and respond to email and explore how to attach appropriate files and discuss risks involved in sharing files through email.

Resources

PurpleMash Unit 3.5 – Emails (6 sessions)

Cross curricular links/visits

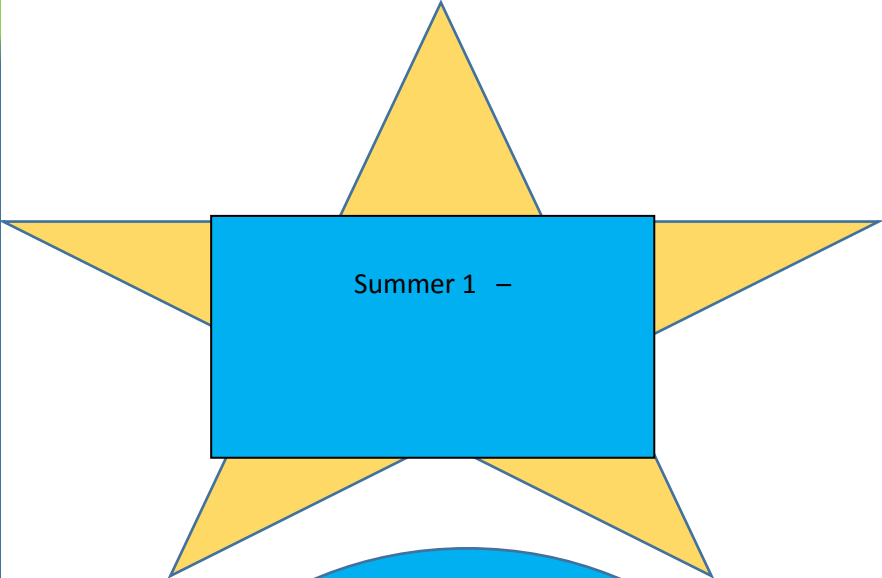
Maths – Tally/ bar charts
PSHE – Relationships with others

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Prior Knowledge



Key Vocabulary

Brief summary/ overview

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Cross curricular links/visits

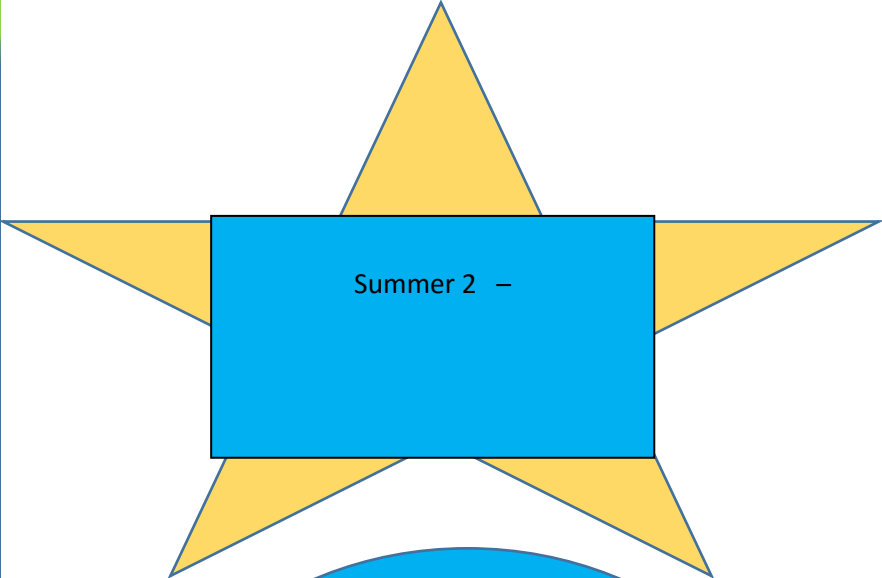
Resources

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