

Computing – Year 1

Autumn 1

Computer Systems and Networks- Technology around us

- Technology can be used to create, organise, store, change and find digital content.
- Technology in school are computers, whiteboards and photocopier.
- Technology at home are mobile phones, televisions, washing machine and cameras
- Technology In the real world are scanners in shops, traffic lights and street lamps.

Autumn 2

Creating Media - Digital Painting

- A digital device is something that has a computer inside to make it work like a washing machine or mobile phone.
- Technology can be used to create, organise, store, change and find digital content

Spring 1

Data and Information - Grouping data

- Technology can be used to sort data.
- Data is a collection of information.
- Data can be sorted into groups

Spring 2

Programming - Moving a robot

- **Programming** is when you give to give an algorithm to a digital device so it can complete its action.
- An **algorithm** is a list of rules or instructions
- Algorithms need to be written in a special language called **code** so digital devices, can understand them.
- Digital Device is something that has a computer inside to make it work like a washing machine or mobile phone.
- **Debug** is when you check for mistakes in your code.

Summer 1

Creating Media – Digital Writing

- Computers help you to create and change digital content.
- Digital content can be pictures, videos, voice recordings and documents.
- The keyboard helps me to make changes on a computer.
- Font is the way the text looks.
- Bold: makes the letters darker
- Italic: makes the text slanted
- Underline: Makes a line under my text.
- I can Click and drag to select text and move it.

Summer 2

Programming – Introduction to animation.

- An **algorithm** is a list of rules or instructions
- Algorithms need to be written in a special language called **code** so digital devices, can understand them.
- **Coding** is how we communicate with computers. Code tells a computer what actions to take.
- **Animation**: a picture that moves on screen
- Animations can be made with drawings and by coding.