Computing – Year 2

Autumn 1

Computer Systems and Networks- Information Technology	- Information Technology is a computer or has a computer inside or works with computers. - Technology is all around us, in school (Computer, whiteboard and photocopier), At home (mobile phone, Television, washing machine, cameras) In the real world (Scanners in shops, traffic lights and street lamps). - Technology can be used to create, organise, store, change and find digital content. - Online safety is important so we can stay safe when learning and using the internet. - When using the internet, I am respectful and kind to others. - When using the internet, I remain safe by keeping my personal details private.

Autumn 2

Creating Media - Digital Photography	- Digital Device is something that has a computer inside to make it work like a washing machine or mobile phone. - Information Technology is a computer or has a computer inside or works with computers. - Technology is all around us. - Technology can be used to change digital content.

Spring 1

Data - Pictograms	- Technology can be used to sort data. - Data is a collection of information. - Technology can be used to store data and digital content for example; pictures and charts.

Spring 2

Programming - Robot Algorithms	- An **algorithm** is a precise set of ordered instructions which can be turned into code - 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. - 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 – Making Music	- Creating Media is when you can create content for entertainment. - Technology can help you to create and change digital content **Digital content** can be music. **Software** is the programme or operating system that a computer uses. - You can use **software** on digital devices to design and create music.

Summer 2

Programming – An introduction to quizzes	- An **algorithm** is a precise set of ordered instructions which can be turned into code - 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. **Sequence**: steps carried out in order. **Command** is a specific instruction given to a computer application to perform some kind of task or function.