Computing Overview 2023/24

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1	**COMPUTING SYSTEMS AND NETWORKS** **Technology around us** **Additional Focus:** Keyboard and mouse skills Logging in	**CREATING MEDIA** **Digital painting** **Additional Focus:** Saving *Main Cross-curricular Link: Art*	**CREATING MEDIA** **Digital writing** *Main Cross-curricular Link: English*	**PROGRAMMING** **Moving a robot** *Main Cross-curricular Link: Maths (Rotation) and Multi-modal Storytelling*	**PROGRAMMING** **Introduction to animation**	**DATA AND INFORMATION** **Grouping data** *Main Cross-curricular Link: Maths (Grouping)*
Year 2	**COMPUTING SYSTEMS AND NETWORKS** **Information technology around us**	**CREATING MEDIA** **Making music** *Main Cross-curricular Link: Music*	**CREATING MEDIA** **Digital photography** *Main Cross-curricular Link: Art*	**PROGRAMMING** **Robot algorithms** *Main Cross-curricular Link: Maths (Rotation) and English (Multi-modal Storytelling)*	**PROGRAMMING** **Introduction to quizzes** *Main Cross-curricular Link: English (GPS Focus)*	**DATA AND INFORMATION** **Pictograms** *Main Cross-curricular Link: Maths (Pictograms)*
Year 3	**COMPUTING SYSTEMS AND NETWORKS** **Connecting Computers** **Additional Focus:** How to use Google Classroom	**CREATING MEDIA** **Stop frame animation (inc. micro:bit)** **Additional Focus:** How to use Google Classroom	**PROGRAMMING** **Sequence in music** *Main Cross-curricular Link: Music*	**DATA AND INFORMATION** **Branching databases** **Additional Focus:** Screenshots and uploading to Google Classroom *Main Cross-curricular Link: Science (classification)*	**PROGRAMMING** **Events and actions** *Main Cross-curricular Link: Maths (Rotation)*	**CREATING MEDIA** **Desktop publishing**

| Year 4 | COMPUTING SYSTEMS AND NETWORKS

The internet | PROGRAMMING

Repetition in shapes

Main Cross-curricular Link: Maths (2D shapes and Angles) and Art | CREATING MEDIA

Photo editing

Main Cross-curricular Link: European Countries and Art | PROGRAMMING

Repetition in games | CREATING MEDIA

Audio editing

Main Cross-curricular Link: English Script Writing, PHSE | DATA AND INFORMATION

Data logging

Main Cross-curricular Link: Science |
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| Year 5 | COMPUTING SYSTEMS AND NETWORKS

Communication | CREATING MEDIA

Vector drawing

Additional Focus: Computational Thinking – Bebras Competition

Main Cross-curricular Link: Maths (2D Shapes) and Art | DATA AND INFORMATION

Flat-file databases | PROGRAMMING

Selection in quizzes

Main Cross-curricular Link: The Americas (GPS focus) | PROGRAMMING

Selection in physical computing | CREATING MEDIA

3D modelling and Printing

(3D printer loan for this term from BAE Systems and 3DCreate)

Main Cross-curricular Link: Maths (3D shapes) |
| Year 6 | PROGRAMMING

Physical Computing - text based language (micro:bit)

Main Cross-curricular Link: History of Blackpool (DT, Science) | CREATING MEDIA

Web page creation

Additional Focus: Computational Thinking – Bebras Competition

Main Cross-curricular Link: Titanic (History, Non-Chronological Text) | PROGRAMMING

Variables in games

Main Cross-curricular Link: Hobbit (Maths four-quadrant co-ordinates) | DATA AND INFORMATION

Spreadsheets

Main Cross-curricular Link: Greece (Geography and Maths) | PROGRAMMING

Sensing (micro:bit)

Main Cross-curricular Link: Healthy Bodies | COMPUTING SYSTEMS AND NETWORKS

Sharing information

Cross-curricular Link: Online Safety and Culturally Relevant Project |