



Subject: Computing

RECEPTION			YEAR 1			YEAR 2			YEAR 3			YEAR 4			YEAR 5			YEAR 6		
AUTUMN	SPRING	SUMMER	AUTUMN	SPRING	SUMMER	AUTUMN	SPRING	SUMMER	AUTUMN	SPRING	SUMMER	AUTUMN	SPRING	SUMMER	AUTUMN	SPRING	SUMMER	AUTUMN	SPRING	SUMMER
I pads: Sketches School: Drawing Explore line using a variety of pens/brushes Barefoot Computing - Awesome Autumn & Busy Bodies	GarageBand: Drums and Strings. NumBots Barefoot Computing - Springtime and People Who Help Us Beebots	Barefoot Computing : Super Space and Summer Fun Numbots	Technology around us Digital Painting	Moving a robot Grouping data	Digital Writing Programming Animations	Computer Systems & Networks – IT Around Us Creating Media – Digital Photography	Programming – Robot Algorithms Data and information - Pictograms	Creating media – Digital Music Programming - Quizzes	Connecting Computers – Digital Devices Stop Frame Animations	Sequencing Sounds Branching Databases	Desktop Publishing Events and actions in programs	The internet Audio Productions	Repetition in shapes. Data logging	Photo editing Repetition in games.	Systems Videoing	Coding/Programming Databases	Vector graphics Coding/Programming	Computing systems and networks – communication and collaboration Creating media – web page creation Programming – variables in games	Data and information – introduction to spreadsheets Creating media – 3D modelling	Programming – sensing movement. Using the Micro:Bit for primary to secondary transition Programming a Micro:Bit product

Alvey Values

We teach specific skills with an emphasis on programming. However we also use ICT to help in all other curriculum areas.

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 connect4d nature of devices.

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

The ability to collect, organise and manipulate data effectively.