Willaston Computing Learning Journey

Sequence of Learning Overview

EYFS
E-Safety

Children introduced to online safety during internet safety week.

Tell an adult if they see something online which worries them.

Information Technology

Children will know how to use the Interactive white board.

Children will know how to select an app on an iPad.

Children will know how to play interactive games on the iPad/IWB.

Children will learn how to operate wind-up toys and pulleys.

Explore how to use the Beebots

Computational Thinking
Barefoot Computing Lessons:

Awesome Autumn – 3 activities
Winter Warmers – 3 activities
Super Space – 3 activities
Springtime – 3 activities
Summer Fun – 3 activities

Year 1

Autumn 1 — Technology all around us
Autumn 2 — Digital Painting
Spring 1 — Moving a robot
Spring 2 — Grouping Data
Summer 1 — Digital Writing
Summer 2 — Programming animations

Year 2

Autumn 1 — Information Technology around us
Autumn 2 — Digital Photography
Spring 1 — Robot Algorithms
Spring 2 — Pictograms
Summer 1 — Digital Music
Summer 2 — Programming Quizzes

Year 3

Summer 1 — Desktop Publishing
Summer 2 — Events and actions in programs
Spring 1 — Sequencing Sounds
Spring 2 — Branching Databases
Autumn 1 — Connecting Computers
Autumn 2 — Stop-frame animation

Year 4

Summer 1 — Photo Editing
Summer 2 — Repetition in games
Spring 1 — Repetition in shapes
Spring 2 — Data Logging
Autumn 1 — The Internet
Autumn 2 — Audio Production

Year 5

Autumn 1 — Systems and Searching
Autumn 2 — Video Production
Spring 1 — Selection and physical computing
Spring 2 — flat-file databases
Summer 1 — Vector graphics
Summer 2 — Selection in quizzes

Year 6

Autumn 1 — Communication and collaboration
Autumn 2 — Webpage Creation
Spring 1 — Variables in Games
Spring 2 — Introduction to Spreadsheets
Summer 1 — 3-D Modelling
Summer 2 — Sensing Movement

Project Evolve Digital Literacy

Taught Autumn-Spring in each year group

- Self-Image and Identity
- Online Relationships
- Online Reputation
- Online Bullying
- Managing Online Information
- Health, Wellbeing and Lifestyle
- Privacy and Security
- Copyright Ownership

Key

Digital Literacy – knowledge and ability to use technology confidently and safely

Information Technology- understanding how computers are used in society

Computer Science – knowledge of programming, algorithms and data

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Willaston Primary Academy