

Computing



Intent



It is our intent for all children at Southway Junior School to develop as resilient learners and achieve personal success in using a range of technology confidently, competently and safely. In order to achieve this, they will know how to use technology safely, respectfully and responsibly; including keeping personal information private, recognising acceptable / unacceptable behaviour and how to report concerns about content or contact. Working both independently and as part of a team, children will develop the skills required to succeed in an increasingly digital world.

Design, write, and debug programs to accomplish specific goals; working with variables and various forms of input and output.

Develop computational thinking; using logical reasoning to analyse a problem and plan out solutions; and decomposing them into smaller parts.

Use search technologies effectively and be discerning in evaluating digital content.

Understand how computer networks operate and the opportunities they offer for communication and collaboration.

Select use and combine a variety of software on a range of devices to design and create a range of content, including collecting, analysing, evaluating and presenting data and information.

Implementation

Southway Junior School follows the government-funded **Teach Computing** scheme of work which covers the whole primary curriculum with a clear structure of progression building on children's previous knowledge. The scheme is supplemented by the use of Scratch and Lego and Micro: bits when creating computer programs.

Our team of **Digital Leaders** have completed the Childnet course on E Safety and lead assemblies to reinforce important messages taught through the curriculum. They will be trained to support peers who may have concerns regarding E Safety, and, through our partnerships with local secondary schools, provide an excellent insight into current trends enabling staff to target teaching effectively. We also participate in **Internet Safety** day, making good use of yearly themes to raise the profile of different aspects of E Safety.

We take part in **Computer Science Week** every year, during which, parents who work in the world of technology are invited to share their role with the children. This is a fabulous opportunity for pupils to learn more about STEM opportunities and provide inspiration for possible career paths as well as further embedding our links with the community.

Southway Three IIs

At Southway our pedagogical approach is based on three key, identifiable elements.



INDEPENDENT LEARNING MEANS...

- Teachers providing structured, well ordered classrooms
- Teachers ensuring clear routines
- Staff having consistent learning behaviour expectations
- Teachers providing high quality resources
- Teachers promoting children as teachers as well as learners
- Teachers providing appropriate tasks and learning for children to access at all levels of ability
- Staff applying the C3B4ME – ‘See three before me’ approach

INTERACTIVE LEARNING MEANS...

- Teachers finding appropriate opportunities for exploratory learning through hands on experiences
- Teachers using the outdoors as a teaching and learning space



INSIDE-OUT LEARNING MEANS...

- Children working harder than teachers
- Children investigating rather than being told
- Teachers asking more open ended questions
- Teachers focusing on enquiry based learning
- Teachers demanding excellence

Southway's Values



Kindness



Respect



Resilience



Teamwork

Curriculum Overview

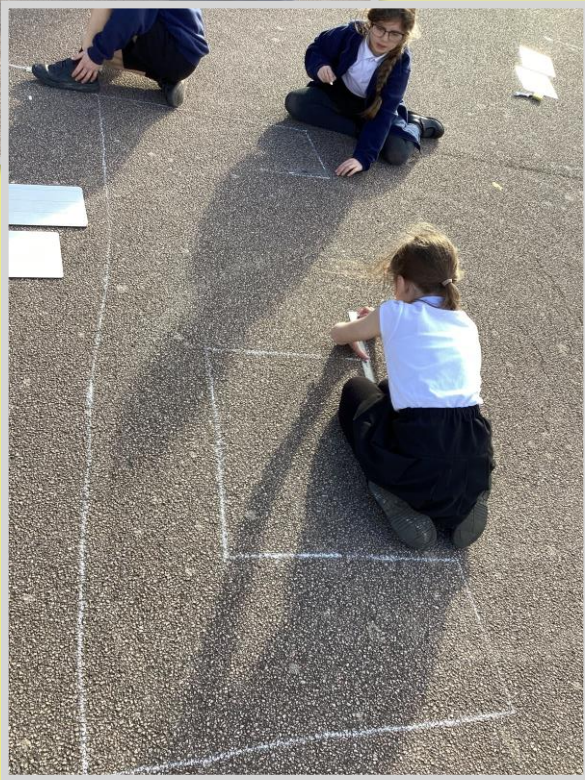


	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 3	Me & My World Connecting computers UNPLUGGED	Me & My World Algorithm Robots ROBOTS	Invaders & Raiders Sequencing Sounds SCRATCH	Invaders & Raiders Animation iMOTION	Battles & Bangs Data / Pictograms LARC	Battles & Bangs Programming SCRATCH
Year 4	Victorian Towns & Twisted Tales Systems & Networks IPADS	Victorian Towns & Twisted Tales Publishing Media LARC	Mysterious Maya Creating Media LARC	Mysterious Maya Programming A LARC	To Infinity & Beyond Databases LARC	To Infinity & Beyond Programming B SCRATCH
Year 5	Power & Palaces Systems & Networks LARC	Power & Palaces Creating Media IPADS / G Screen	We'll Meet Again Programming A LARC	We'll Meet Again Creating Media IPADS	Sea, Storms and Survival Databases LARC	Sea, Storms and Survival Programming B SCRATCH
Year 6	Frozen in Time Systems & Networks LARC	Frozen in Time Creating Media GOOGLE 'SITES'	Walk like an Egyptian Programming A SCRATCH	Walk like an Egyptian Data and Information EXCEL	Blood, Bones and Body Bits Creating Media TINKERCAD	Blood, Bones and Body Bits Programming B SCRATCH

Standards in Year 3



**Unplugged
activities**

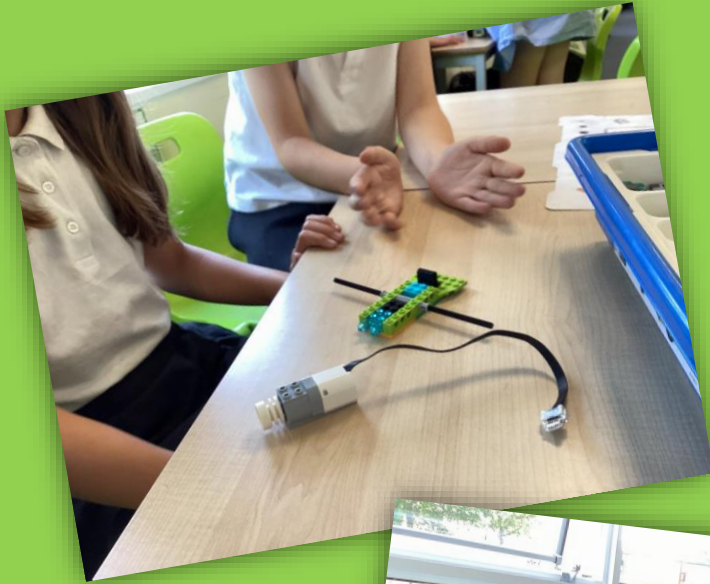


**Coding on
Scratch**



Standards in Year 4

Unplugged
activities



Lego



Designing and
creating their own
invites

Come Read With Dickens

**At 2:30pm-3:00pm Thursday 23rd
Of March At Southway Junior**



**RSVP Let us know if you can
make it**



Standards in Year 5



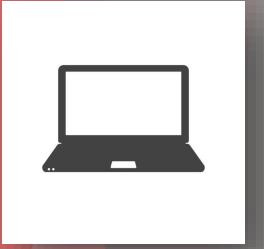
Unplugged
activities

Micro: bit

Green screen

NOT YET
IMPLEMENTED

Standards in Year 6



Unplugged
activities

Web design

Tinkercad

NOT YET
IMPLEMENTED

Welcome to the
LARC

Learning And Resource Centre

Pupil Voice

What do you enjoy
most about computing
at Southway?

*'I enjoy using
programming games
like Scratch'.*



Enrichment Opportunities



Internet safety day

Visit secondary schools!

Digital leaders!