

# KS2 LOWER COMPUTING CURRICULUM OVERVIEW FOR PARENTS

Computing in Lower Key Stage 2 helps children build confidence in using technology safely, creatively, and responsibly. They begin to understand how digital systems work and how to use them to solve problems, create, and share ideas.



## Children should:

- Design, write, and debug programs using visual coding tools.
- Use technology to create and present digital content.
- Understand how computer networks, including the internet, work.
- Use search technologies effectively and safely.
- Learn how to use technology responsibly and respectfully.



### COMPUTER SCIENCE

Children will:

- Create, edit, and test simple programs using software like Scratch or Blockly.
- Use loops, sequencing, and repetition to make their code efficient.
- Predict and explain how changes affect a program's outcome.
- Solve problems through logical reasoning and debugging.

**This builds independence, perseverance, and problem-solving skills.**



### INFORMATION TECHNOLOGY

Children will:

- Use digital devices to design, create and present information clearly.
- Combine text, images, and sound in multimedia projects.
- Learn how data can be collected, organised, and displayed.
- Explore simple ways to edit and improve their work.

**They develop confidence using technology for communication and creativity.**

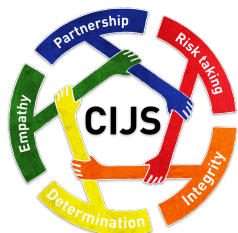


### DIGITAL LITERACY

Children will:

- Learn how to stay safe, kind and respectful online.
- Understand how to protect personal information.
- Recognise that not all information online is true or reliable.
- Know what to do if something online worries or upsets them.

**This helps children become thoughtful, responsible users of technology.**



## Computing helps children:

- Think logically, creatively, and critically.
- Develop resilience and problem-solving skills.
- Communicate ideas clearly using digital tools.
- Use technology safely and confidently in the digital world.

# COMPUTING

## KS2L How can I help my child at home?

Your interest and guidance help your child see technology as a tool for learning, creativity, and connection.

Explore technology together – talk about how devices work (maps, apps, websites). Use age-appropriate websites and apps – discuss what they do and how to use them safely.



Encourage creativity – try child-friendly coding websites like Scratch or Tynker.

Encourage healthy screen habits – take breaks and balance online and offline time.



Practise typing or creating simple documents – build familiarity with digital tools.

Talk about online safety – remind them to tell you if something feels wrong or confusing online.

