



Why Teach Computer Science?

Computer Science is a vital subject for pupils to learn within the modern world, where computing and technology are embedded in everyday life. By learning Computer Science learners will study:-

- How computers work
- How to use key programs to present and share work
- How they are programmed
- How to recognise online dangers and stay safe within the online world
- Understand how digital technology is vital for modern careers

Our Common Teaching approaches

- Retrieval starters every lesson
- Cold calling to make sure everyone is learning
- Modelling new information and skill

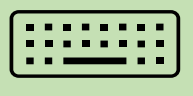
The 4 Big Ideas of the Computer Science Curriculum

Curriculum maps detail the sequencing of substantive knowledge from Computer Science to enable pupils to build schemata of important concepts over time through 4 'big ideas'

**Technology
in our lives**



**Data
Handling**



Programming



Multimedia



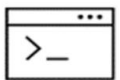
Developing Disciplinary Knowledge

Within Computer Science we develop learner's disciplinary knowledge by the following techniques to help build their ability to fully apply the substantive knowledge

E-Safety



Computing
Language



ICT Literacy



Troubleshooting

