

Computing

Our learning values

Working Together	Curiosity	Making Connections	The Bigger Picture	Keeping Going
I like to work together with other people in school as well as the local community. This allows me to share my ideas and helps me to learn.	I just love asking questions to find out about things. I like to investigate, create and explore to find the answers.	I enjoy making connections with my learning. I like to see how everything fits together. I love linking learning from different areas together, it helps me to understand what I am doing.	I see the bigger picture. I plan ahead so I am clear about what I need to learn. I look back at what I've done so I know what to do next. It is important to me that I do my very best.	I keep on going. It doesn't matter how hard I find something. When things get tough I use my perseverance to stick at a task and try my best. By doing this I discover that learning becomes easier than I thought.

Responsible Children take care of the school equipment and use technology responsibly.	Competence Children understand and apply fundamental principles and concepts of computer science including abstraction, logic, algorithms and data representation They can analyse problems and have repeated practical experience writing computer programs.	Confident Children use technology confidently both in computing lessons and to enhance their learning in other areas of the curriculum	Creative Children are creative in the way they apply their knowledge of computer science and they can evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems.
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At Shute Primary school, we believe all children should be taught how to keep safe online and how to look after technology responsibly. Through our **working together** learning value children are encouraged to think about how they use the equipment and how not putting a laptop on charge (for example) will affect others. Children develop an understanding of the **bigger picture** when they learn about internet safety, they are given strategy of what to do when they encounter different situations or are not sure how to proceed as well as time to reflect on the impact of their behaviour online.

From Reception, children are taught how to use technology in different ways to record their learning, from taking photographs with an iPad, videoing a friend reading and typing up writing and presenting their final pieces with pictures and different text features, for example. Additionally, they are introduced to how technology help us around the world and with our day to day lives.

Children are given lots of opportunities to programme, reflecting on what has gone well and given support on how to debug simple programmes when a problem arises (**the bigger picture**). Through our supportive learning environment children have the confidence to keep persevering (**keeping going**) through a problem to achieve and write an effective algorithm.

Computing has strong links with all aspects of the curriculum including Science, Maths and English. Children at Shute School love using technology both to support their learning in other areas and learning about computer science and applying this knowledge to solve problems (**making connections**).

As they move through the school their confidence and creativity grows. Children's **curiosity** is supported through technology as children are able to independently find answers to their own questions.