


Computing

Our learning values

Compassion	Friendship	Perseverance	Trust	Forgiveness	Thankfulness
Lympstone pupils can present their ideas to others. They are aspirational in their learning.	Lympstone pupils take a pride in their learning. They listen to and value their peers. They share ideas and give feedback.	Lympstone pupils ask questions. They are reflective learners. They learn about coding.	Lympstone pupils are self-motivated. They take risks. They persevere. They learn new skills in computing.	Lympstone pupils make connections in their learning. They can show their learning in different ways. They can be creative with IT.	Lympstone pupils are collaborative. They share ideas and value the ideas of others. They learn about safe internet use.

	<p>Build knowledge of how technology works and recognise coding as a building blocks of computing</p> <p>Children can understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation</p> <p>Children can analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems</p> <p>Children can evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems</p>	<p>Use technology in different forms to research, collate and communicate information</p> <p>Children are responsible, competent, confident and creative users of information and communication technology.</p>	<p>Use technology safety</p> <p>The children will use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies. They will recognise acceptable/unacceptable behaviour online.</p>
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At Lympstone Primary school, we believe all children should be confident in using technology to record, retrieve and report their learning. As they grow within the school, they will be able to use technology to creativity represent their learning different ways, reflect on the suitably different programs and be able to select programs confidently to enhance their learning. Children will recognise that technology is a tool which enhances their daily life but recognise the importance of using it safely. Over time children will gain confidence in how to use technology safely and what to do if they encounter different situations. They will learn about the 'pitfalls' of social media and develop an understanding of acceptable online behaviour. Children will learn about how technology is used in the world around them recognising its importance in our everyday life.

As the children progress through the school, they will learn about code being the building blocks of all technology. Through their journey through the school, they will build knowledge of ordering instructions and solving problem through changing instructions. Starting with simple programmable toys, using tablets and then coding with more sophisticated programs children will become proficient at coding.