









## COMPUTING AT THRYBERGH FULLERTON

<u>BIG IDEAS</u>	<u>INTENT</u>	<u>DEEP LEARNING AND RETRIEVAL</u>
<p> <b>Humankind</b> Understanding what it means to be human and the cause and effect of human behaviour.</p> <p>Children will be taught about how the technology is being developed to enhance the life of humans including through the use of Artificial Intelligence. They will explore the impact that technology can have to our daily lives and develop their skills and knowledge to help them compete in the work market of the future.</p> <p> <b>Processes</b> Understanding the many dynamic and physical processes that shape the world around us.</p> <p>Children will explore the contribution that technology makes to different industries such as farming and manufacturing and how this has transformed the world in which we live.</p> <p> <b>Creativity</b> Understanding how everyday and exceptional creativity can inspire and change perceptions.</p> <p>Children will have the opportunity to be creative in designing programs and multimedia presentations by using trial and error and original thought.</p> <p> <b>Investigation</b> Understanding the importance of asking questions, formulating hypotheses, gathering information and analysing evidence.</p> <p>Children will use technology to explore the answers to questions using the internet. They will be competent in using database and spreadsheet software to simplify the process of understanding questions.</p> <p> <b>Significance</b> Understanding why significant people, places, events and inventions matter.</p> <p>Children will be taught about significant people who have shaped the development of technology which we often take for granted. They will learn about technological inventions and their impact on the world today.</p>	<p>The aim at Thrybergh Fullerton is to provide opportunities for children to develop as independent, confident, resilient, and successful, life-long learners.</p> <p>Through the implementation of a broad and balanced curriculum, we aim for our children to have high aspirations and to make an active and positive contribution to their school, their community, and the wider society; now and in the future. We want our children to be equipped with the skills and knowledge to able to keep themselves safe and healthy both mentally and physically.</p> <p>Our computing curriculum is intended to prepare children for their future lives in equipping them with the skills and knowledge to be competitive in the future job market and to make sure that they are always safe from online harm. Children will learn about how technology has changed the lives of humans and about the positive and negative aspects of the future direction.</p> <p>Our school believes that every child should have the right to a curriculum that champions excellence; supporting pupils in achieving to the very best of their abilities. We understand the immense value technology plays not only in supporting the Computing and whole school curriculum but overall, in the day-to-day life of our school. We believe that technology can provide: enhanced collaborative learning opportunities; better engagement of pupils; easier access to rich content; support conceptual understanding of new concepts and can support the needs of all our pupils.</p> <p>Intended to open our students' eyes to the word of technical and digital transformation and the role it plays, covering data process and people, skills that are essential to prepare them for the modern world. Often, our students are underprivileged, lacking resources for both equipment and guidance at home. This subject intends to not only ensure their safety online but perils of social media, but to heighted their understanding and build key skills to compete in an everyday evolutionary world.</p>	<p>The whole curriculum at Thrybergh Fullerton is structured to promote and exploit opportunities to make sure new learning is committed to long term memory. This is done in which the curriculum is structured overall as a spiral curriculum in the main.</p> <p>Teachers use computing 'Knowledge Organisers' to assess what learning has taken place. Questions will cover not only what is currently taught but what has gone before in the previous; term, year group and Key Stage.</p> <p>Testing out 'sticky knowledge' happens each lesson and in every subject.</p> <p>Remembering what has been taught and explored is celebrated and is a core part of the approach at Thrybergh Fullerton.</p> <p></p>
	<u>IMPLEMENTATION</u>	<u>CONCEPTS</u>
		The computing curriculum at Thrybergh Fullerton is derived from the National Curriculum programme of study.

The computing curriculum is a 'spiral curriculum' where concepts are regularly revisited to ensure that meaningful connections are made.

The children are taught the same/similar units each year where prior learning is used as a foundation for new learning which is subsequently well developed.

Prior learning is referenced throughout the scheme of work and children become familiar with the content and structure. Each year group has a similar programme of study which means that different year groups are studying the same area at a similar time.



The curriculum is delivered using Purple Mash in all year groups and covers the following:

- Computer Science
- Information Technology
- Digital Literacy