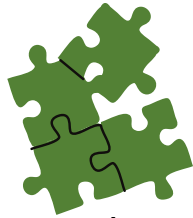


Computing at Thomas Johnson Lower School



TJLS Curriculum Drivers

Dream

Children will be encouraged to express themselves and develop their ideas through information and communication technology, preparing them for the future workplace. They will be taught to confidently articulate the computing process using precise, technical vocabulary.

Discover

Children will be provided with a high-quality computing education that inspires and equips them to use computational thinking and creativity to understand and change the world. They will feel inspired by key individuals such as Steve Jobs and Tim Berners-Lee and how their actions and intent created a new digital world.

The computing curriculum encourages children to understand the principles of information and computation, how digital systems work and how to put this knowledge to use through working programming. We will model and educate our children on how to use technology positively, responsibly and safely so they are able to be active participants in a digital world.

Flourish

Our knowledge rich curriculum will encourage children to understand and apply the fundamental principles and concepts of computer science, allowing them to become digitally literate beyond school.

Computing is embedded across the whole curriculum, making learning creative and accessible. Children have opportunities to share their learning in creative ways using a range of tools to best express their understanding. We understand the accessibility that technological opportunities can provide for children - and ensure they have repeated practical experiences.



Sequencing of Content

The TJLS Computing Curriculum ensures pre-requisite knowledge is considered and linked to new learning.

A range of key skills are taught across phases giving opportunity to deepen knowledge and understanding throughout.

Internet safety is heavily considered.



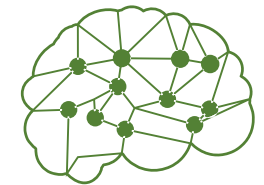
Deepening of Content

- Internet safety
- Programming that accomplishes simple goals
- Use computational thinking and creativity to understand and change the world
- Experiences needed to prepare for 21st Century lifestyles



Big Ideas

- Learn to design and write simple computing programs
- Have the opportunity to use a variety of software on a range of digital devices
- Understand how technology is used beyond school
- To gain the confidence and ability to prepare them for the challenge of a rapidly developing and changing technological world



Retrieval Practice

Children take part in regular mini-quizzes and retrieval activities to strengthen their memory.

Learning journeys dovetail so learning can be retrieved and applied.

Remembering information and knowledge is celebrated as part of the TJLS culture.