



Loughton Curriculum: Computer Experts

Welcome to the latest edition of the Loughton curriculum newsletter on computing. The children have been engaging in a variety of different computing lessons across the school, developing their digital literacy and computing skills.

What do we learn?

At Loughton school, computing and technology are seamlessly integrated into the curriculum wherever possible, enhancing and supporting our teaching. From interactive lessons to independent research projects, students regularly engage with technology across all year groups, fostering essential skills for the digital age while promoting curiosity and self-directed learning

In the autumn term, all year groups focus on online safety as part of their PSHE lessons, ensuring that students are aware of the importance of staying safe while navigating the digital world. Year 3 students get creative by producing a documentary on an animal, showcasing their research and digital skills using iMovie. Meanwhile, year 4 students build on their year 3 knowledge of programming, using Scratch Jr.

Spring term sees year 3 focus on word processing in Microsoft Word, learning to format and create documents. Year 4 learn how the internet works, exploring its structure and how information is shared online. Year 5 create Viking-themed PowerPoint presentations, while Year 6 explore blogging using the Seesaw website, learning to publish their own online

What's coming up next?

During the summer term, year 3 are introduced to programming basics. Year 4 create book trailers using iMovie. Year 5 focus on data processing with Excel, and during STEM week, Year 6 will deepen their programming skills by exploring inputs, conditional statements, flow diagrams, and algorithms on micro:bits, culminating in the creation of a step counter.

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Inspirational Computer Technologists



In 2011, at ages 8 and 10, Chennai-based brothers Shravan and Sanjay Kumaran became “India’s youngest CEOs” when they founded their own mobile app development company, GoDimensions. Shravan and Sanjay also created the emergency service app “Emergency Booth”; educational apps like “Alphabet Board” and “Color Palette”; “GoDonate,” an online donation app; and “GoLock,” a remote door monitor and lock. Together, they built 12 apps, accumulating over 100,000 downloads in over 50 countries. Additionally, the brothers developed about 150 test apps.

Exciting Opportunities!

During their time at Loughton School, children will have the chance to engage in a variety of exciting technological experiences. From programming BeeBot robots during enrichment sessions and participating in a drone workshop to immersing themselves in the wonders of the Serengeti through a VR experience, these opportunities will inspire creativity and curiosity in the world of technology.



Computing Challenges

There are plenty of online resources that you can get your teeth sunk into. From ai tools and programming, to word processing and movie making!

- Make a presentation about something you have learnt this year.
- Compose and send an email to your class teacher.
- Practise your programming skills using Rodocodo.
- If you have access to an iPad, create a video using a mix of photos, video and text using iMovie.
- Use AI to generate something using instructions - kidgeni.com is great for this.

Useful Websites:

www.rodocodo.com

Coding games for children.

www.kidgeni.com

Child-friendly AI tools.

musiclab.chromeexperiments.com/ka-ndinsky

Music by art

incredibox.com

beatbox programming.

