



# Computing

## Subject Leader Report 2024-2025



Subject Leader: Zoe Illingworth

### Autumn Term

This term, the Computing curriculum at Masefield Primary School has been vibrant and engaging, ensuring that children develop vital skills and knowledge to thrive in the digital world. The Computing Leader has actively contributed to this by observing lessons, conducting learning walks, monitoring workbooks, and engaging with children, all of which have informed and enhanced our teaching procedures.

In Autumn 1, all children focused on Digital Citizenship, delving into essential topics such as digital footprints, self-image and identity, online relationships, reputation, online bullying, and maintaining health and wellbeing. These foundational lessons empower students to navigate the online world safely and responsibly. In Autumn 2, the focus shifted to Digital Literacy. While children in Years 1-6 engaged with more advanced concepts, Early Years Foundation Stage (EYFS) built on their knowledge through continuous provision with technology, ensuring these foundational skills are cultivated throughout the year.

EYFS learners explored basic online safety rules, learning how to recognize and respond to uncomfortable feelings while navigating the internet. They were introduced to laptops, including their various parts, and will continue to develop these skills, building strong digital literacy foundations.

KS1 children learned about the importance of seeking permission online, being kind and considerate in online interactions, and asserting their right to say no when needed. In Year 1, students have begun learning typing basics, practicing these skills on PurpleMash. In Year 2, children advanced to using Microsoft Word and PowerPoint, translating their typing skills into practical applications.

Children in Years 3 and 4 continued exploring their online identities, understanding differences between online and offline personas, and identifying examples of bullying. Year 3 students honed their PowerPoint skills. Year 4 introduced the basics of Excel, including simple formulae, laying the groundwork for advanced computational thinking.

Building on their Digital Citizenship knowledge, Years 5 and 6 explored avenues for seeking help with online issues, such as CEOP and Childline. Year 5 began working with databases. Year 6 extended this by applying more complex formulae in their work.

Year 5 pupils attended Bolton SICT for E-Safety Champion Training, enhancing their understanding of online safety. Additionally, Years 5 and 6 engaged in enrichment activities to further develop their digital literacy under the guidance of Mrs. Graham.

To ensure continued success in Computing, we will focus on boosting staff confidence in delivering the Computing curriculum, particularly in Computer Science, as we prepare for the Spring Term.

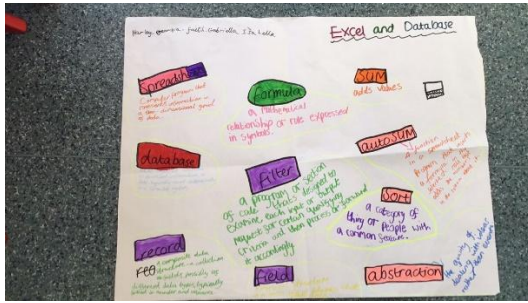
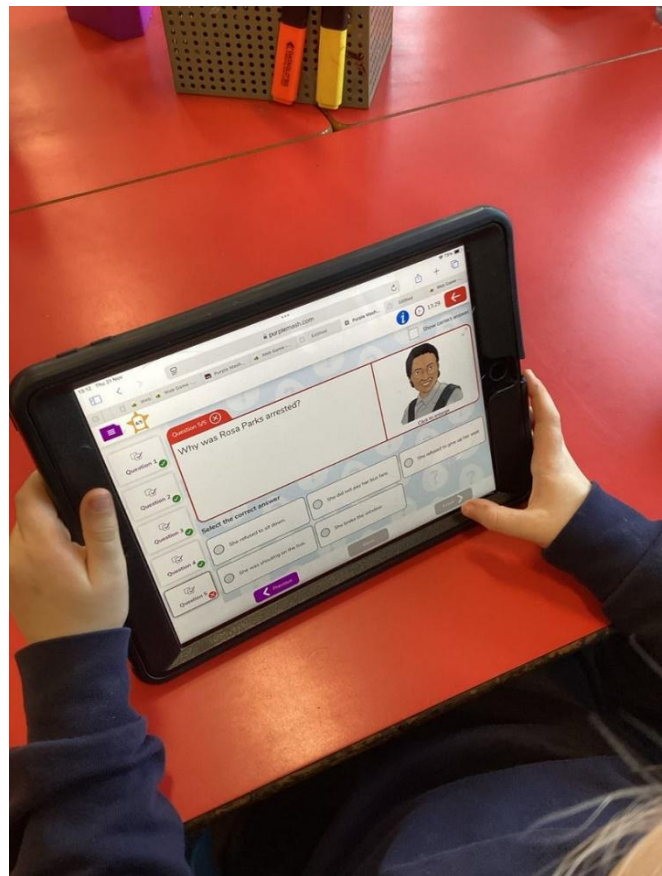
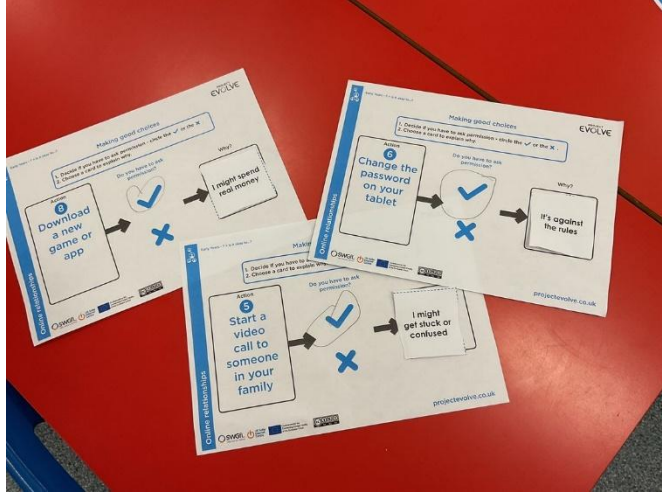


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Year 5 have discussed how identity online can be copied, modified or altered. We have modified our own online avatars on ClassDojo.





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### Spring Term

This spring term, the Computing curriculum at Masefield Primary School has provided students with the essential skills and knowledge they need to thrive in an increasingly digital world. The Computing Leader has played an active role in enhancing teaching practices by observing lessons, conducting learning walks, monitoring workbooks, and engaging directly with the children, all of which have helped inform and refine our approach to teaching.

All children in Years 1-6 have focused on Computer Science this term, starting with a recap of objectives from previous years. This allowed students to refresh their understanding of key concepts such as algorithms, coding, and problem-solving. Following the recap, children advanced their knowledge with new learning, diving deeper into more complex topics such as programming languages, logical reasoning, and developing sequences of instructions. These lessons have equipped students with a stronger foundation in computational thinking, supporting their growth in both creative and technical aspects of Computing.

In addition to this, all children in Years 1-6 had the exciting opportunity to visit Bolton SICT, where they furthered their learning in Computing. The trip allowed students to engage with a variety of technologies, bringing their classroom knowledge to life and offering hands-on experiences to support their understanding of the subject.

Looking ahead to the summer term, our focus will shift towards Information Technology, where students will explore how technology is used in real-world contexts. They will also revise Digital Literacy, reinforcing their ability to use digital tools safely and effectively. These lessons will ensure that all children continue to build on their previous learning and develop the skills needed to confidently navigate the digital world.

Throughout the term, we remain committed to empowering our students with the skills they need to succeed in the digital age, ensuring they can continue to develop a healthy and responsible relationship with technology.



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### Summer Term

This summer term, the Computing curriculum at Masefield Primary School has continued to enrich students' understanding of technology and its real-world applications. The Computing Leader has played an active role by observing lessons, conducting learning walks, monitoring workbooks, and engaging in discussions with staff and pupils to inform and refine teaching practices.

In Summer 1, all year groups focused on Information Technology, exploring how technology is used to create, store, and share information. Children engaged in activities such as word processing, multimedia presentations, and data handling projects that allowed them to apply their digital skills in meaningful contexts. These lessons not only reinforced prior learning but also deepened pupils' understanding of how technology supports communication, creativity, and collaboration.

An exciting addition to the curriculum this term was the introduction of a unit on Computing Pioneers. Across all year groups, children learned about key figures in computing history and the significant contributions they made to the digital world we know today. This learning fostered an appreciation for innovation, resilience, and the impact of computing on our everyday lives. Pupils engaged with biographies, timelines, and discussion activities to understand why it is important to know about the pioneers who have shaped technology.

In Summer 2, all year groups revisited Digital Literacy skills first taught in Autumn 2. Pupils completed consolidation projects that allowed them to review and extend their understanding of online safety, digital footprints, and the responsible use of technology. These projects helped students apply their learning in practical ways, including creating e-safety posters, blogs, and multimedia presentations that demonstrated their knowledge of safe and effective digital communication.

Looking forward, we aim to continue strengthening staff confidence in delivering Information Technology and Digital Literacy, ensuring that pupils are well-prepared to navigate the digital world with confidence, creativity, and a strong sense of responsibility.



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