

Our Vision for Computing at The Milford Academy

At The Milford Academy, we believe that it is our responsibility to deliver a computing curriculum which informs our pupils of powerful knowledge and essential skills to enable them to become responsible digital citizens and innovative problem solvers.

Intent

At The Milford Academy we recognise the critical role that computing knowledge and skills play in our current society and how this will only develop and become more prevalent in years to come. Our progressive curriculum is designed for pupils to gain a foundational understanding of computing principles, including programming, data management and internet safety guidance. Our software and resources encourage creativity, problem solving and transferable skills ready for secondary and workplace technologies. We believe that this empowers our pupils to become safe digital citizens who have the skills to navigate the digital world respectfully and safely. We pride ourselves on the cross-curriculum links and enhanced learning that computing brings to subjects such as mathematics and science.

Implementation

Our curriculum is sequential and aligned with the National Curriculum while offering enrichment opportunities tailored to pupil interests. It is supported by Purple Mash software which provided a collection of tools and applications to support the delivery of the KS1 and KS2 curriculum. We use hands-on activities and diverse resources to create interactive lessons that cater to varied learning styles. Continuous professional development for staff ensures that we remain current with technological advances and effective practice. Teachers use continuous formative assessments and reflective feedback help track progress and inform instruction. With the use of technology being so prevalent in families and the community, we believe it is essential to promote parental engagement and therefore share resources and information with our community to strengthen the home-school partnership in digital learning.

Impact

The impact of our computing curriculum is seen fundamentally through high levels of engagement and pupils participating enthusiastically in computing lessons. Our pupils demonstrate a strong understanding of online safety and responsibility of using technology safely, in school and at home. The computing curriculum at The Milford Academy provides a solid foundation for future education, particularly in STEM subjects.

Links to Reading and Writing

- Reading to learn
- Use writing as a vehicle to embed
- Oracy to communicate