Picknalls First School
Computing Curriculum Statement 2024-2025

Intent

At Picknalls First School our whole curriculum is driven by a commitment to fostering creativity, critical thinking, and a love for lifelong learning. We aim to provide a well-rounded education that nurtures each child's unique talents and prepares them for future challenges. We will teach children at Picknalls to have or be:

Skillful - At Picknalls First School we want all children to be skilful, turning new and imaginative ideas into reality through self-expression and a curiosity for learning. Children are encouraged to think creatively in all that they do and explore new ways of solving problems and answering questions.

Teamwork - At Picknalls First School we want all children to value and respect all members of the community. Children at Picknalls will be taught the skills for life to empower them to be good citizens and to contribute to the community.

Aspiration - At Picknalls First School we want all children to aspire towards greatness. To be productive, aim high and succeed. Expanding their knowledge of the world by nurturing their interests as well as encouraging fearlessness of things that are new or unknown by creating exciting, inspiring opportunities.

Resilient - At Picknalls First School we want all children to have the mental and physical resilience to be successful and happy and be confident in tackling all obstacles that come their way.

Through these curriculum drivers we will encourage ALL children at Picknalls to become the stars of the future and shine bright in our community!

Here at Picknalls First School, the intent of our Computing curriculum is to provide a high-quality education that equips pupils with the foundational skills they need to become digitally literate and to be able to use information technology to express themselves creatively and solve problems effectively. We aim to inspire pupils to become confident users of technology, preparing them for the digital world they will inhabit both now and in the future.

Our curriculum is designed to be ambitious and coherent, ensuring that pupils are not only equipped with practical skills but also understand the principles behind technology. We are committed to providing a broad and balanced Computing curriculum that is accessible to all pupils, including those with SEND or disadvantaged backgrounds.

Implementation

The implementation of our Computing curriculum is carefully planned and sequenced to ensure progression in knowledge, skills, and understanding. We follow the National Curriculum requirements for Computing, including teaching pupils how to code and develop computational thinking skills. Our teaching is engaging and interactive, with a balance of both theoretical knowledge and practical application. To support pupils and staff with Computing, we use J2E, which is an award-winning online toolset and a full scheme of work provided by Entrust. The software and scheme ensure our children receive a quality Computing education.

We provide opportunities for pupils to use a range of technology, including interactive whiteboards, Ipads, and other devices, to enhance their learning and develop their digital skills. Every class are timetabled a full set of Ipads to deliver a weekly Computing lesson. Pupils are encouraged to collaborate, problem-solve, and think critically when using technology, fostering a growth mindset and a love of learning.

Our staff are well-trained and confident in delivering the Computing curriculum, with regular CPD to keep abreast of new technologies and teaching methods. We foster links with local industry and invite guest speakers to inspire pupils and show them real-world applications of Computing.

Impact

The impact of our Computing provision is evident in the achievements and progress of our pupils. Through regular assessment and tracking of pupil outcomes via our online software, we can see that pupils are developing a solid foundation of Computing skills and knowledge as they move through the school. Pupils are confident users of technology and are able to apply their skills creatively and purposefully in a range of contexts.

Our pupils are enthusiastic about Computing and show a keen interest in exploring new technologies and learning opportunities. They demonstrate a deep understanding of key concepts such as algorithms, programming, and data representation. Pupils from all backgrounds and abilities are achieving well in Computing.

Furthermore, our pupils are well-prepared for the next stage of their education, whether that be moving on to a middle school within our Learning Trust, or entering the world of work. They have the digital literacy skills and the confidence to adapt to new technologies and continue learning throughout their lives.

In conclusion, our Computing provision in Picknalls First School is making a significant impact on the lives of our pupils, equipping them with the skills they need to thrive in an increasingly digital world.

Cultural Capital in Computing

In a world where digital communication is everywhere, it is essential that we teach children how to use the tools available to them effectively, safely and appropriately, with consideration to the thoughts and ideas of others. Pupils also learn about key figures in technological history.

Computing Action Plan 2024 2025

- Work alongside MAT colleagues to develop a 3-18 broad, balanced and ambitious computing curriculum.
- To work alongside outside agencies such as the computing hub to deliver CPD and staff meetings to enhance staff computing skills.
- To attend MAT training sessions to discover new equipment/programmes/apps we could use in school.

Written by Miss Adams
Computing Leader