

Intent

We aim to provide a challenging, high-quality Computing curriculum that equips students to use computational thinking and creativity to confidently solve problems and become responsible, safe users of technology. This involves having exciting, practical, experiences which encourages children's curiosity towards a variety of topics in Computing and the wider curriculum. We want to ensure that pupils become digitally literate and are able to use technology to express themselves, developing their ideas through Computing. We want to provide children with the skills which can be applied to our ever changing modern working world and equip them with the knowledge to make a positive impact on society and the environment.

Implementation

- Ensure children are receiving quality first teaching consistently in all Computing lessons.
- Ensure technology provision is being used effectively to enrich the curriculum.
- Provide staff with detailed assessment frameworks to support and standardise assessment judgments in Computing.
- Develop teachers' confidence in the use of technology as a teaching and assessment resource.
- Teach children how to use technology appropriately and safely to enhance their learning.
- Encourage transdisciplinary learning across the year to maximize engagement and also provide a clear context for the learning.
- Develop children's skills in the use of technology so they are confident to select the appropriate resource for their learning needs.
- Ensure students are equipped with the ability to demonstrate high levels of resilience when faced with problems.

Impact

- Children enjoy Computing and tackle all applications with confidence and a sense of achievement and purpose. These include all curriculum areas but there is a focus on improving children's reading and mathematical skills.
- Children develop practical skills in Computing and gain the ability to apply these skills to the solving of relevant and worthwhile problems with resilience.
- Children are open-minded in their approach to Computing so that they adapt easily to the ever changing technological systems and approaches they will encounter in their future lives.
- Children understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation.
- Children analyse problems in computational terms and have repeated practical experience of writing computer programs in order to solve problems.
- Children become responsible, competent and creative users of information and communication technology so they become confident digital citizens.