



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. 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 technology provision is being used effectively to enrich the curriculum.
- Plan the Computing curriculum to support progression of skills across the Key Stage.
- Develop an assessment system to gain an accurate measure of pupils' attainment 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.
- 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.
- Develop links with academies / schools in other districts related to curriculum topics (pupils) and CPD (staff).



Impact

- Children enjoy using information technology and tackle all applications with confidence and a sense of achievement and purpose.
- Children develop practical skills in the use of information technology and the ability to apply these skills to the solving of relevant and worthwhile problems with resilience.
- Understand the capabilities and limitations of information technology and the implications and consequences of its use.
- Be open-minded in their approach to information technology so that they will be able to adapt easily to the information technology systems and approaches they will encounter in their future lives.
- Understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation.
- Analyse problems in computational terms and have repeated practical experience of writing computer programs in order to solve such problems.
- Become responsible, competent and creative users of information and communication technology so they become confident digital citizens.

