

Statement of Intent – Computing

Purpose – Why is this subject important?

- At Wortham, we use ICT and computing as a tool to enhance learning throughout the curriculum;
- We will respond to new developments in technology;
- Our goal is to equip pupils with the confidence and capability to use ICT and computing throughout their later life; it is an essential part of our daily lives and the wider economy.
- We will ensure that we develop the understanding of how to use ICT and computing safely and responsibly
- To thrive in a technological world
- To be able to use a range of technological devices
- To be safe online
- To interact responsibly online
- To solve problems and debug
- To understand the difference between responsible and irresponsible online behaviour

Principles – What are the distinctive ways of knowing, working and learning in this subject?

- Computing gives pupils immediate access to a rich source of materials.
- It will help them to present information in new ways which help pupils understand, access and use it more readily.
- Computing can motivate and enthuse pupils.
- It can help pupils focus and concentrate.
- Computing offers potential for effective group working.
- It has a great power to link with subjects across the curriculum to enhance them.
- Computing has the flexibility to meet the individual needs and abilities of each pupil
- Asking and answering questions
- Researching using search engines
- Inputting, editing and analysing data
- Refining searches
- Presenting information effectively
- Programming – coding and debugging, predicting and testing, evaluating and improving
- Communicating using a range of methods
- Efficient keyboard skills
- Understanding networks
- Learning how to be safe online – Health, Wellbeing and Lifestyle, Online Relationships, Online Bullying, Copyright and Ownership, Self-image and Identity, Privacy and Security, Managing Information Online, Online Reputation

Expectations – What does success look like?

- Children can understand and apply the fundamental principles of computer science, including logic, algorithms, data representation, and communication;
- They can analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems;

- Pupils can evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems;
- Children at Wortham are responsible, competent, confident and creative users of information and communication technology.
- Ability to research effectively using a variety of search engines and key vocabulary
- Progression of skills and vocabulary
- Reflecting on other people's opinions and comments
- Use of topical vocabulary
- Ability to compare how technology has changed
- Asking questions, developing an enquiring mind
- Sharing opinions and participating in discussions in response to a range of scenarios