

# Computing @ Greetland



In line with the National Curriculum Purpose of Study for Computing the aim of the Academy is that its pupils, *“use computational thinking and creativity to understand and change the world.”* We want our children to become confident and competent citizens of the digital world, who are able to use their sense of wonder and knowledge of computer systems and programmes to problem solve using computer systems designed for the modern world. Our curriculum aims to instil a sense of enjoyment around using technology and to develop pupil’s appreciation of its capabilities and the opportunities technology offers to create, manage, organise and collaborate. Exploring with software and programs forms part of our curriculum as we want to develop pupils’ confidence when encountering new technology, which is vital skill in the ever evolving and changing landscape of technology.

The Greetland Computing curriculum is underpinned by the Kapow scheme of work. The content is categorised into 5 areas

- Computing Systems and Networks
- Programming
- Data Handling
- Online Safety
- Creating Media

These core categories are taught discreetly and are revisited and built on overtime as children progress towards the end of Key Stage 2. Programming is a key element of the Computing Curriculum. The Greetland Academy uses the National Centre for Computing Education resources to support the delivery of programme primarily with Scratch. The implementation of our Computing curriculum ensures a broad and balanced coverage of the National Curriculum requirements. Meaningful units link Computing to other subjects such as Science, Art and Music to enable the development of transferable skills. Lessons are carefully adapted for those with additional needs, to ensure that every pupil can access the curriculum.

The impact of our Computing curriculum is monitored through both summative and formative assessment opportunities. Across each unit the lessons enable children to use and demonstrate their Computing learning, skills and understanding. Half-termly, the teacher will assess each child against the objectives. To support teachers in making their overall judgement, each unit has supporting statements with the key learning children should have demonstrated and achieved by the end of the unit. Teachers can use knowledge catchers and quizzes on Kapow to help support their judgement. Each lesson on Kapow includes guidance to support teachers in assessing pupils against the learning objective.

Pupils should leave The Greetland Academy equipped with a range of skills to enable them to succeed in their Secondary education and be active participants on their ever-increasing digital world.

# E-Safety @ Greetland



The Academy recognises the importance of its children being digitally literate, responsible and safe users of online technologies. Within our Computing Curriculum the online safety objectives are covered each half term throughout the year, to ensure children are being reminded of the importance of online safety. Children also take part in activities during safer internet day.

From Reception onwards pupils are told to always share any online concerns with a trusted adult, including adults at school. Children and their parents are appropriately supported when worries are raised. Such issues are then used as teaching points with relevant year groups and shared with a wider community of parents via the Seesaw app, website and Facebook page. As children progress through the Academy they are given more in-depth guidance as appropriate to their age and likely usage and experience of the digital world.

To continue to support parents in the ever-changing digital world the National Online Safety posters are shared on the e-safety tab on the website and with parents. These cover a wide range of online-safety advice, guidance and support. The Great Heights Trust also produce a monthly online safety newsletter which again is shared and can be found on the e-safety section of the website.

