

INFORMATION TECHNOLOGY

Intent: All children will be able to use technology to communicate in a range of ways.

DIGITAL LITERACY

Intent: All children will be digital citizens; individually responsible for how they use technology to interact with the world around them

- Functional skills
- Finding and selecting information
- Critical thinking and evaluation
- Managing online information health/wellbeing
- Cultural and social understanding
- Collaboration and creativity
- Copyright and ownership
- Communication 'netiquette'

COMPUTING BIG IDEAS INTENT

SAFETY

Intent: All children will regularly revise e-safety issues and be taught how to deal with anything that worries or concerns them, as well as how to keep themselves safe when online.

COMPUTER SCIENCE

Intent: All children will be taught to be technology innovators, and to design technical solutions though solving problems

- Computational thinking
- Programming
- Computer Networks

INFORMATION TECHNOLOGY

Our curriculum is based on a spiral curriculum, meaning that each of the themes is revisited regularly to consolidate and builds on prior learning within that theme.

- Word processing/typing
- Data handling
- Presentations, web design and ebook
- Animation
- Video creation
- Photography and digital art
- Augmented reality/ virtual reality
- sound

DIGITAL LITERACY

Our computing curriculum is based on the 'Teach Computing' curriculum which has been created by subject experts, using the latest pedagogical research and teacher feedback to develop the digital literacy of our pupils.

- Functional skills
- Finding and selecting information
- Critical thinking and evaluation
- Managing online information health/wellbeing
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COMPUTING BIG IDEAS

IMPLEMENTATION

SAFETY

- Safety online through explicit PSHE and computing lessons, as well as continued reminders during the academic year
- Internet safety day every year
- Safety with phones/games
- settings/privacy taught explicitly and recapped responsively
- texting/ peer pressures/cyberbullying taught explicitly and within antibullying week
- Training sessions with police advice (pupils, staff and parents)

COMPUTER SCIENCE

- Computational thinking
- Programming
- Computer Networks

INFORMATION TECHNOLOGY

Pupils will be responsible, competent, confident and creative users of information and communication technology.

DIGITAL LITERACY

Pupils will be able to analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems.

Pupils will be able to evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems

COMPUTING BIG IDEAS IMPACT

COMPUTER SCIENCE

Pupils will understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation

SAFETY

Our pupils will leave Stapleford with the skills and strategies needed to stay safe online. They will understand how to respond in different situations and how to seek help with this.