

COMPUTING

STATEMENT OF AIMS

THE AIM OF THE KS3 CURRICULUM IS TO DEVELOP...

SUCCESSFUL LEARNERS

KS3 Computing equips pupils to use computational thinking and creativity to understand and change the way they think about the digital world today. Developing deeper knowledge of digital literacy, use of information and communication technology and computer science to effectively participate in, and be ready for, the workplace and able to participate effectively in the digital world.

CONFIDENT, INSPIRED INDIVIDUALS

KS3 Computing allows students to become responsible, competent, confident and creative users of information and communication technology. They will be given the opportunity to express their creativity by creating solutions with the tools they feel are most suitable for the task. Computer science encourages them to evaluate the effectiveness of their solutions in terms of goals and suitability, and reflect on the

ASPIRING, RESPONSIBLE CITIZENS

KS3 Computing aims to assist students to become active participants in a digital world by becoming digitally literate, being able to use, express themselves and develop their ideas through, information and communication technology.

CURRICULUM MAP

KS3

| | AUTUMN 1 | AUTUMN 2 | SPRING 1 | SPRING 2 | SUMMER 1 | SUMMER 2 |
|------------|---|---|--------------------------------------|--|---|-------------------------------|
| Y7 | <i>Clear Messaging in Digital Media</i> | <i>Networks: From Semaphore to the Internet</i> | <i>Scratch</i> | <i>Modelling Data: Spreadsheets</i> | <i>Using Media - Gaining support for a cause.</i> | <i>E-safety</i> |
| ASSESSMENT | Cumulative assessment of Autumn term | | Cumulative assessment of full year | | | |
| Y8 | <i>Media - Vector Graphics</i> | <i>Computer systems</i> | <i>Computer systems</i> | <i>Data representation: Clay to Sillicon</i> | <i>EduBlocks: Introduction to Programming</i> | <i>Introduction to Python</i> |
| ASSESSMENT | Cumulative assessment of Autumn term | | Cumulative assessment of Autumn term | | | |
| Y9 | <i>Cybersecurity</i> | <i>Media - Blender</i> | <i>Spreadsheets</i> | <i>Introduction to AI</i> | <i>Mobile App Development</i> | <i>Media project</i> |
| ASSESSMENT | Cumulative assessment of Autumn term | | Cumulative assessment of Autumn term | | | |