

# Computing Department Vision for Curriculum INTENT

## Excellence through the curriculum

In the Computing Department we prepare a curriculum that develops PRIDE and is inclusive through the following areas.

### **Subject Knowledge and Skills Development**

Our curriculum will give learners the opportunity to develop a common core of IT and Computer Science knowledge/skills and study areas such as the relationship between hardware and software that form an IT system, managing and processing data, app development and using IT to communicate and share information.

Our curriculum will give learners the opportunity to develop sector-specific applied knowledge and skills through realistic vocational contexts. The attitudes that are considered most important in digital information technology, including personal management and communication. The development of key skills that prove learners' aptitudes in digital information technology, such as project planning, designing and creating user interfaces and dashboards as a way to present and interpret data. The knowledge that underpins effective use of skills, process and attitudes in the sector such as virtual workplaces, cyber security and legal/ethical issues.

Whilst studying the curriculum, learners will develop their critical thinking, problem-solving, intrapersonal and interpersonal skills and demonstrate their ability to learn independently and to research actively and methodically.

### **Respectful Attitudes**

Our curriculum embeds kindness, understanding and empathy in our students, through the lessons in classrooms, the relationships we form and the community we build together.

### **Destinations and Employability**

Learners will have developed a practical understanding of the digital sector; they will have built useful skills which are not generally covered in GCSE courses and will have developed a good understanding of the IT sector. Learners could progress to a Level 3 programme such as A Level, T Level or BTEC National which prepares learners to enter employment or apprenticeships, or to move on to high education by studying a degree in the digital sector.

Learners could progress to study at higher education for a degree in an information technology discipline or a degree where information technology related skills and knowledge may be advantageous. Learners could apply for entry level roles related to IT including vocational apprenticeships and trainee/entry level roles such as a social media specialist, content developer, web developer or business analyst.

### **Enrichment**

We have online resources available to students to enhance their understanding of the subject such as Know It All Ninja which uses gamified e-learning principles to support learning.