



Year 9

General Aim of the subject

Computer Science - iDEA

During year 9 pupils will be working towards the Duke of York Inspiring Digital Enterprise Award (iDEA). This is an international programme that helps develop digital and enterprise skills and enhances their chances in employment and future education. It is considered the digital version of the Duke of Edinburgh award.

In order to achieve the bronze iDEA award each pupil will need to collect 250 points which are awarded as different “badges” are completed. These Badges have been mapped against the UK National Curricula and the skills Framework the Information Age. These badges and lessons will range across three core areas:

- Computer Science (CS)

Understanding how computer function. Learning to write computer code.

- Digital Literacy (DL)

(Being able to use technology safely and responsibly)

- Information and Communication Technology (ICT)

(Create, re-use, revise and repurpose digital products)

More Information about the iDEA award can be found by visiting their website idea.org.uk

The year 9 curriculum provides a solid base for students to continue their studies at IGCSE in both Computer Science and ICT.

Year 9 Curriculum Content

Number of lessons per timetable cycle: 2

Term	Term 1	Term 2	Term 3
Topic	9.1 - Spreadsheets - Airline Finance 41T1 - IGCSE - Paper 2 - SS Edexcel	8.2 - Python Programming - text adventure 0478 - IGCSE - Paper 2 <i>(Variables, sequence and selection only)</i>	8.3 - The Internet - Tourism Website 0478 - IGCSE - Paper 1 - Unit 2 41T1 - IGCSE - Paper 2 - WD
iDEA Topics	Citizen - Data play (10) Citizen - Teamwork (8) Worker - Data visualisation (8) Worker - Projects (8) Entrepreneur - Money Management (8) Entrepreneur - Researcher (10) Entrepreneur - Jargon Buster - (8) Entrepreneur - Growth hacking (8)	Maker - Coding Solutions (10) Maker - Automation (20) Game - Python Quiz (20) Worker - Random coding (20) Worker - Collaboration (8) Entrepreneur - Innovation (8)	Citizen - Internet & Web - (12) Citizen - Cyber spies (10) Citizen - Cyber Security (8) Citizen - Safe online (10) Citizen - Social Media Ethics (8) Worker - Colours (10) Worker - User Interfaces (10) Maker - Making Websites (10) Maker - Junior Web Designers (10) Maker - GIF Making (10)

Useful website(s):

teams.microsoft.com (all resources and support available with pupil login and password)