

## Roundwood Park School Curriculum Map – COMPUTER SCIENCE (Y9)

*A curriculum that stimulates curiosity, values diversity and offers challenge.  
We help every student to love learning for life, to follow their passions and to reach their full potential.*

Year 9	Autumn Term 1	Autumn Term 2	Spring Term	Spring Term 2	Summer Term 1	Summer Term 2
Unit of Work	Data	Data	Digital IT Project	Digital IT Project	Computers in Society	iDEA
Key Knowledge Or Enquiry Question	<ul style="list-style-type: none"> <li>Databases</li> <li>SQL commands SELECT, FROM, WHERE, INSERT INTO, ORDER BY</li> </ul>	<ul style="list-style-type: none"> <li>Databases</li> <li>SQL commands SELECT, FROM, WHERE, INSERT INTO, ORDER BY</li> </ul>	<ul style="list-style-type: none"> <li>Website Review</li> <li>Analysis of accessibility features of websites</li> <li>Logo and image selection</li> <li>Recording file sizes of images</li> </ul>	<ul style="list-style-type: none"> <li>Wireframing the design of the information system</li> <li>“Build” the info system using presentation software</li> </ul>	<ul style="list-style-type: none"> <li>What is cyber security?</li> <li>Social Engineering</li> <li>Malware</li> <li>Detection and prevention of threats</li> <li>Biometrics and 2FA</li> </ul>	<ul style="list-style-type: none"> <li>Completing different “badges” to earn the iDEA silver or gold award.</li> </ul>
Concepts	Ability to program the computer to solve problems	Ability to program the computer to solve problems	Understanding how information systems are created	Create an information system using presentation software	Understanding the rights and responsibilities of a digital user	Students complete badges to complete the silver and gold Inspiring Digital Enterprise Award
Key Vocabulary	<b>Programming commands</b> database; <b>DIT Project</b> – Website, accessibility, logo, file size, wireframing, presentation software, hyperlink; <b>CiS</b> – Cyber Security, Social engineering, Blagging, Shouldering, Phishing, Pharming, Trojan, Worm, Virus, Access rights, Updates, Black box testing, White box testing, Biometrics, 2FA					
ASPIRE Habits	Resilient	Resilient	Reflective	Reflective	Resourceful	Responsible
Reading Opportunities	Bader – Python Tricks, the book.	Bader – Python Tricks, the book.			Malorie Blackman - Hacker	