

Computing – Formal Curriculum Summary and Overview (2022-23)

Intent:

Computing at Sir Tom Finney Community High School is delivered in three strands; Computer Science, ICT and Digital Literacy. The curriculum is designed so that it gives all pupils the opportunities to visit all three strands throughout their time at STFCH. Students are taught the principles of information and computation; how digital systems work and how to put this knowledge to use through programming. We want our curriculum to assist children of the modern world by ensuring that they are digitally literate and aware.

Implementation:

Delivery is organised across ability-based teaching and learning groups in each key stage. This allows work to be differentiated to meet ability ranges with access to staffing ratios that offer small group and individual 1:1 support when needed. Staff are experienced and follow appropriate professional development opportunities to support delivery models. Each subject follows a curriculum map that highlights the content and progression. Assessment is both formative and summative to inform next steps in learning and summarising attainment and progress. Some students will also access enhanced personalised timetables to both stretch and challenge, and meet specific additional needs if appropriate.

Impact:

The expectations for Computing are that students will have an overall ability to be able to use a computer confidently and safely. Students will be able to produce creative work and show an understanding of a range of software. Higher ability students will show an understanding of the fundamental principles and concepts of computer science, including abstraction, logic, algorithms, data representation and robotics. Students will be able to evaluate and apply information technology, including new or unfamiliar technologies. The Computing curriculum prepares students for adulthood by making them responsible, competent, confident and creative users of ICT.

KS3 Computing Curriculum Mapping – (Long-Term Overview)

Term	Autumn		Spring		Summer	
Half-Term	1 st Half	2 nd Half	1 st Half	2 nd Half	1 st Half	2 nd Half
Strand 1	Presenting Information and searching for information	Hardware/ Software and networks	Hardware/ Software and networks	Control/ Logic/ Programming	Computer science and discoveries (Code.org)	E-Safety- Digital Literacy
Strand 2	Presenting Information and searching for information	Graphics	Data Collection	Hardware & Software	Control/ Logic/ Programming	E-Safety- Digital Literacy
Strand 3	Technology around us	Digital painting		Digital writing		E-Safety- Digital Literacy
Online Safety for all groups	<p style="text-align: center;">Online Safety Is embedded into cross-curricular sessions and reinforced regularly</p> <p style="text-align: center;">Understand a range of ways to use technology safely, respectfully, responsibly, and securely, including protecting their online identity and privacy; recognise inappropriate content, contact, and conduct and know how to report concerns.</p>					

KS4/FE Computing Curriculum Mapping – (Long-Term Overview)

Term	Autumn		Spring		Summer	
Half-Term	1 st Half	2 nd Half	1 st Half	2 nd Half	1 st Half	2 nd Half
ICDL Level 2	Word Processing		Presentation		Spreadsheets	Coding
ICDL Level 1	Word Processing		Presentation		Spreadsheets	Coding
Functional Skills ICT	Using ICT	Finding and selecting information		Developing, presenting, and communicating information		E-Safety- Digital Literacy
Engaging with Digital Technology	Technology around us	Digital painting		Digital writing		E-Safety- Digital Literacy
Online Safety for all groups	<p style="text-align: center;">Online Safety Is embedded into cross-curricular sessions and reinforced regularly</p> <p style="text-align: center;">Understand a range of ways to use technology safely, respectfully, responsibly, and securely, including protecting their online identity and privacy; recognise inappropriate content, contact, and conduct and know how to report concerns.</p>					

SFX Computing Curriculum Mapping – (Long-Term Overview)

All Terms	
Using Technology around us	E-Safety- Digital Literacy
<p>Online Safety Is embedded into cross-curricular sessions and reinforced regularly</p> <p>Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.</p>	

