

# Culcheth High School Key Stage 4 Curriculum Map 2020 - 2021

Computer Science Year 9

OCR



	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
Key Concepts	Introduction to Programming	Structured Programming	Importing Modules	Using Data in Programming	Problem Solving	Problem Solving
Themes	Constants, Variables, Mathematical, Operational and Boolean Operators & Selection Statements	Functions, Procedures and Iteration	Array structures and Menu Validation	Reading, Writing files and Validation	Data Representation (Binary, Images and Characters)	Computational thinking / Algorithms / Abstraction / Decomposition
Writing Whole school literacy focus	Formatting data Structuring programs using Pseudo Code	Formatting data Structuring programs using Pseudo Code	Formatting data Structuring programs using Pseudo Code	Formatting data Structuring programs using Pseudo Code	Decomposing problems and structuring programming sequences	Decomposing problems and structuring programming sequences
Spiritual, Moral, Social and Cultural theme (SMSC) Fundamental British Values	Ethical use of programming	Protection of code and ethical computing	Protection of code and ethical computing	Protection of code and ethical computing	Protection of code and ethical computing	Protection of code and ethical computing
Key Assessment Focuses, Suggested Assessments and Feedback Week	End of Unit tests Exam-style questions QMA	End of Unit tests Exam-style questions QMA	End of Unit tests Exam-style questions QMA	End of Unit tests Exam-style questions QMA	End of Unit tests Exam-style questions QMA	End of Unit tests Exam-style questions QMA
Special Events						
Possible Visits						STEM University Visit