

Curriculum Intent Statement for Computer Science

At Chase Terrace Academy we aspire for all of our students to achieve greater things than they ever thought possible.

We pride ourselves on being a warm and welcoming school that places community at the heart of everything we do. Our ambitious curriculum is enriching and inclusive, providing challenge and breadth for all. This empowers our students to become compassionate, confident and creative individuals who are resilient, respectful and equipped with a desire to take up a fulfilling role in society and the wider world.

In Computer Science we aspire to enrich students with a varied and deep understanding of computing developments, concepts and the impact of technology on our society and environment. Students learn a diverse range of skills such as programming in a range of languages and also study the theory behind the science of computing, the Internet and the ever growing importance of our personal security and privacy. Ultimately, we aim to give students the knowledge and experience they need to study Computing to degree level, to use technology in their day to day lives or careers and to manipulate technology and tools to compliment almost any future study or job.

Year 9 Curriculum Implementation Plan (Computer Science)

Computer Science						
Knowledge and Skills –	Reading, Literacy and	Formative Assessment	Summative Assessment	Link to GCSE Content		
Students will be taught to	Numeracy					
Use industry standard IDE tools in Visual Studio Create desktop applications	Reading: • Regular use of on screen sources of information	On screen reviews of student work Regular self assessment at	Four end of unit on screen tests. One end of year assessment	Programming – GCSE Computer Science unit 2.2, 2.3		
using Python Programming skills	Research and online reading and extracts Literature	key stages against level descriptors		Business – Unit 1 of GCSE Business		
Programming skills including: Debugging Use of breakpoints Sensible variable names Using built in functions, libraries and procedures Procedures and functions	Literacy: • Extended written responses across units • In depth research and referencing of sources • Use of spelling and grammar tools • Regular review of in class work focussed	Regular opportunities to revisit previous tasks and improve based on feedback Verbal feedback on an individual basis Whole class feedback		Components of a computer – GCSE Computer Science Unit 1.1, 1.2 and 1.3		



The chase refraced educitiy					
	on level of written	Microsoft Forms based			
Business:	response	quizzes and quick tests with			
 Entrepreneurship 	Modelling of	visual feedback			
 The role of business 	appropriate level of				
 Risks and rewards of 	written response				
business	Numeracy:	1			
 Types of business 	 Algebra – variables 				
 Marketing and 	and data types				
segmentation	 Logic and decision 				
Branding	making				
	 AND, OR, NOT 				
Components of a computer:	 Conditional 				
 What makes a 	statements				
computer work?	 Calculations 				
 What are the 	including:				
components of a	Interest				
computer?	Average				
How each	Min/Max				
component works	o Number				
and its role in the	conversions				
system	0				
 Operating systems 					
Building and					
configuring a PC for					
different					
circumstances and					
requirements					
Online Behaviour:					
Negative InfluencesHarmful Behaviour					
 Explicit Online Behaviour 					
Positive online					
contributions					



Image manipulation:		
 The role of image 		
manipulation in		
popular media		
 The impact of image 		
manipulation on		
different areas of		
society		
 Image manipulation 		
skills		