

Barnsley Academy – Year 10 CS Curriculum Overview 2024-25

Autumn Term			Spring Term			Summer Term		
	Class Focus	Homework		Class Focus	Homework		Class Focus	Homework
Week 1	Problem-solving Task in Python U1T1 CPU Architecture		Week 1	U2T3 Characters		Week 1	Assessment	
Week 2	U1T2 CPU performance & buses		Week 2	U2T4 Images		Week 2	U3T1 Internet & WANs	
Week 3	U1T3 Embedded systems & instruction set U1T4 Memory		Week 3	U2T5 Sound		Week 3	U3T2/3 LANs & WANS	
Week 4	U1T5 Secondary Storage U1T6 Cloud Storage		Week 4	U2T6 Compression		Week 4	U3T4 Client Server & P2P	
Week 5	U1T1-6 Assessment		Week 5	Assessment		Week 5	U3T5 Standard Protocols & layers	
Week 6	U6T1 Computational thinking		Week 6	U9T1 Programming fundamentals		Week 6	Assessment	
Week 7	U6T2 Searching algorithms		Week 7	U9T2 sequence & selection		Week 7	U10T1 Data types & Operations	
Week 8	U6T3 Sorting algorithms		Week 8	U9T3 Iteration		Week 8	U10T2 Sequence & Selection	
Week 9	U6T4 Flowcharts		Week 9	U9T3 Iteration		Week 9	U10T3 Iterations	
Week 10	U6T5 Pseudocode		Week 10	U9T4 Arrays		Week 10	U10T4 Arrays	
Week 11	U6T6 Interpret		Week 11	U9T5 Procedures & Functions				
Week 12	Algorithms		Week 12	U9T5 Procedures & Functions				

Week 13	Assessment					Week 11	U10T5 Library Routines	
Week 14	U2T1 Units & Binary numbers					Week 12	Mock	
Week 15	U2T1 Binary & Hexadecimal					Week 13	Programming	
Assessment						Week 14	Programming	
			Assessment	EOU Assessments		Assessment	EOU Assessments & Mocks	