



Subject:	Computer Science	Form:	3rd Form
Teacher:	Evan Zampekos	Term:	Autumn 2026

Week	Week Beginning	Topic
1	7th September	Computer systems: Hardware and software.
2	14th September	Computer systems: Systems architecture - CPU.
3	21st September	Computer systems: Systems architecture - memory.
4	28th September	Computer systems: Secondary storage.
5	5th October	Computer systems: Software.
6	12th October	Computer systems: h/d and s/w together
7	19th October	Fundamentals of data representation: Numeric systems - binary
Autumn Half-Term (26th October to 30th October)		
8	2nd November	Fundamentals of data representation: Using binary. Units of information
9	9th November	Fundamentals of data representation: Converting from decimal to binary & from binary to decimal.
10	16th November	Winter Exam week
11	23 November	Fundamentals of data representation: Adding binary numbers.
12	30th November	Fundamentals of data representation: Hexadecimal. Converting from binary to hexadecimal & from hexadecimal to binary.
13	7th December	Fundamentals of data representation: Character encoding. ASCII and Unicode.



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Week	Week Beginning	Topic
1	4th January	Fundamentals of data representation: Representing images.
2	11th January	Fundamentals of algorithms: Computational thinking.
3	18th January	Fundamentals of algorithms: Algorithms, description methods.
4	25th January	Programming: Introduction to Python - IDLE. Variables and constants. Identifiers. Data types.
5	1st February	Programming: Arithmetic – Relational – Boolean operations.
6	8th February	Revision
Spring Half-Term (15th February to 19th February)		
8	22nd February	Mini Test week
9	1st March	Programming: Programming constructs: sequence
10	8th March	Programming: Programming constructs: sequence, selection. Boolean logic.
11	15th March	Programming: Programming constructs: iteration.



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Week	Week Beginning	Topic
1	12th April	Programming: Putting it all together
2	19th April	Programming: Putting it all together
3	26th April	Programming: Functions
4	3rd May	Programming: Putting it all together.
5	10th May	Programming: Putting it all together.
6	17th May	Programming: Putting it all together.
7	24th May	Revision
Summer Half-Term (31st May to 4th June)		
8	7th June	Summer Exam week
9	14th June	Fundamentals of networks: Why network? Types and layouts.
10	21st June	Fundamentals of networks: Network hardware.
11	28th June	Fundamentals of networks: Network setup.
12	5th July	Network security.