



Subject:	Computer Science	Form:	2nd Form
Teacher:	Evan Zampekos	Term:	Autumn 2026

Week	Week Beginning	Topic
1	7th September	Artificial intelligence (AI) : What is AI?
2	14th September	Artificial intelligence (AI) : How computers learn from data
3	21st September	Artificial intelligence (AI) : Bias in, bias out
4	28th September	Artificial intelligence (AI) : Decision trees
5	5th October	Artificial intelligence (AI) : How to solve problems with machine learning models
6	12th October	Artificial intelligence (AI) : Model cards and careers
7	19th October	Computer systems and data science: Traditional computer systems
Autumn Half-Term (26th October to 30th October)		
8	2nd November	Computer systems and data science: Computer architecture
9	9th November	Computer systems and data science: The operating system
10	16th November	Winter Exam week
11	23 November	Computer systems and data science: Boolean logic
12	30th November	Computer systems and data science: Data science
13	7th December	Computer systems and data science: Machine learning and artificial intelligence



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Week	Week Beginning	Topic
1	4th January	Development for the Web: HTML – The basic blocks
2	11th January	Development for the Web: HTML – images
3	18th January	Development for the Web: HTML and CSS
4	25th January	Development for the Web: Searching the web
5	1st February	Development for the Web: Tightening the web
6	8th February	Revision
Spring Half-Term (15th February to 19th February)		
8	22nd February	Mini Test week
9	1st March	Development for the Web: The spread of the web
10	8th March	Data representation - text and numbers: Representing information
11	15th March	Data representation - text and numbers: Representing characters



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Week	Week Beginning	Topic
1	12th April	Data representation - text and numbers: Binary digits
2	19th April	Data representation - text and numbers: Numbers in binary
3	26th April	Data representation - text and numbers: Measurements of data
4	3rd May	Data representation - text and numbers: Turing's mug cryptography challenge
5	10th May	Introduction to Python programming: Writing a text-based program
6	17th May	Introduction to Python programming: Working with numerical inputs
7	24th May	Revision
Summer Half-Term (31st May to 4th June)		
8	7th June	Summer Exam week
9	14th June	Introduction to Python programming: User inputs and variables
10	21st June	Introduction to Python programming: Using selection
11	28th June	Introduction to Python programming: Selection with multiple paths
12	5th July	Introduction to Python programming: Iteration using while loops