St. John's Senior School

Subject: Computer Science

Teacher: Evan Zampekos

Form: 2nd

Term: Autumn 2025

WEEK	WEEK BEGINNING	TOPIC
1	8th September	**Developing vector graphics**: Using vector tools to draw and modify shapes
2	15th September	**Developing vector graphics**: Working with multiple objects
3	22nd September	**Developing vector graphics**: Vector paths
4	29th September	**Developing vector graphics**: Developing a vector product
5	6th October	**Developing vector graphics**: Vector markup
6	13th October	**Developing vector graphics**: Comparing bitmap and vector graphics
7	20th October	**Computer systems and data science**: Traditional computer systems
HALF – TERM		
8	3rd November	**Computer systems and data science**: Computer architecture
9	10th November	**Computer systems and data science**: The operating system
10	17th November	**END OF TERM EXAMINATIONS**
11	24th November	**Computer systems and data science**: Boolean logic
12	1st December	**Computer systems and data science**: Data science
13	8th December	**Computer systems and data science**: Machine learning and artificial intelligence

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WEEK	WEEK BEGINNING	TOPIC
1	6th January	**Development for the Web**: HTML – The basic blocks
2	12th January	**Development for the Web**: HTML – images
3	19th January	**Development for the Web**: HTML and CSS
4	26th January	**MINI TEST**
5	2nd February	**Development for the Web**: Searching the web
6	9th February	**Development for the Web**: Tightening the web
HALF – TERM		
7	23rd February	**Development for the Web**: The spread of the web
8	2nd March	**Data representation - text and numbers**: Representing information
9	9th March	**Data representation - text and numbers**: Representing characters
10	16th March	**Data representation - text and numbers**: Binary digits
11	23rd March	**Data representation - text and numbers**: Numbers in binary

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

WEEK	WEEK BEGINNING	TOPIC
1	20th April	**Data representation - text and numbers**: Measurements of data
2	27th April	**Data representation - text and numbers:** Turing's mug cryptography challenge
3	5th May (Tuesday)	**Introduction to Python programming:** Writing a text-based program
4	11th May	**Introduction to Python programming:** Working with numerical inputs
5	18th May	**Introduction to Python programming:** User inputs and variables
		HALF - TERM
6	1st June	**END OF TERM EXAMINATIONS**
7	8th June	**Introduction to Python programming:** Using selection
8	15th June	**Introduction to Python programming:** Selection with multiple paths
9	22nd June	**Introduction to Python programming:** Iteration using while loops
10	29th June	**Introduction to Python programming:** Building a program using control structures
11	6th July	**Recap**