St. John's Senior School

Subject: Computing
Teacher: Evan Zampekos

Form: 3rd
Term: Autumn 2025

WEEK	WEEK BEGINNING	TOPIC
1	8th September	Computer systems: Hardware and software.
2	15th September	Computer systems: Systems architecture - CPU.
3	22nd September	Computer systems: Systems architecture - memory.
4	29th September	Computer systems: Secondary storage.
5	6th October	Computer systems: Software.
6	13th October	Computer systems: h/d and s/w together
7	20th October	Fundamentals of data representation: Numeric systems - binary
HALF - TERM		
8	3rd November	Fundamentals of data representation: Using binary. Units of information
9	10th November	Fundamentals of data representation: Converting from decimal to binary & from binary to decimal.
10	17th November	**END OF TERM EXAMINATIONS**
11	24th November	Fundamentals of data representation: Adding binary numbers.
12	1st December	Fundamentals of data representation: Hexadecimal. Converting from binary to hexadecimal & from hexadecimal to binary.
13	8th December	Fundamentals of data representation: Character encoding. ASCII and Unicode.

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Term: Spring 2026

WEEK	WEEK BEGINNING	TOPIC
1	6th January	Fundamentals of data representation: Representing images.
2	12th January	Fundamentals of algorithms: Computational thinking.
3	19th January	Fundamentals of algorithms: Algorithms, description methods.
4	26th January	**MINI TEST**
5	2nd February	Programming: Introduction to Python - IDLE. Variables and constants. Identifiers. Data types.
6	9th February	Programming: Arithmetic – Relational – Boolean operations.
		HALF - TERM
7	23rd February	Programming: Programming constructs: sequence
8	2nd March	Programming: Programming constructs: sequence, selection. Boolean logic.
9	9th March	Programming: Programming constructs: iteration.
10	16th March	Programming: Drawing with turtle-sequence
11	23rd March	Programming: Drawing with turtle-selection

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WEEK	WEEK BEGINNING	TOPIC
1	20th April	Programming: Drawing with turtle-iteration
2	27th April	Programming: Drawing with turtle-putting it all together
3	5th May (Tuesday)	Programming: Functions
4	11th May	Programming: Drawing with turtle-functions
5	18th May	Programming: Putting it all together.
HALF - TERM		
6	1st June	**END OF TERM EXAMINATIONS**
7	8th June	Programming: Putting it all together.
8	15th June	Fundamentals of networks: Why network? Types and layouts.
9	22nd June	Fundamentals of networks: Network hardware.
10	29th June	Fundamentals of networks: Network setup.
11	6th July	Network security.