St John's Senior School

Subject: Computer Science **Form: 3rd**
Teacher: Mr. Zampekos **Term: Autumn**

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	**MINI - TEST**
6	12th October	Computer systems: Software.
7	19th October	Fundamentals of data representation: Numeric systems - binary
HALF TERM		
8	2nd November	Fundamentals of data representation: Using binary. Units of information
9	9th November	Fundamentals of data representation: Converting from decimal to binary.
10	16th November	Fundamentals of data representation: Converting from binary to decimal.
11	**23rd November**	**WINTER EXAMS**
12	30th November	Fundamentals of data representation: Adding binary numbers.
13	7th December	Fundamentals of data representation: Character encoding.

St John's Senior School

Subject: Computer Science **Form: 3rd**
Teacher: Mr. Zampekos **Term: Spring**

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**	**MINI TEST**
5	1st February	Programming: Introduction to Python - IDLE. Variables and constants. Identifiers. Data types
6	8th February	Programming: Arithmetic – Relational – Boolean operations.
HALF TERM		
7	22nd February	Programming: Programming constructs: sequence
8	1st March	Programming: Programming constructs: sequence, selection. Boolean logic.
9	8th March	Programming: Programming constructs: iteration.
10	15th March	Programming: Programming constructs: iteration.
11	22nd March	Programming: Programming constructs: iteration.

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Subject: Computer Science **Form: 3rd**
Teacher: Mr. Zampekos **Term: Summer**

WEEK	WEEK BEGINNING	TOPIC
1	19th April	Programming: Programming constructs: putting it all together.
2	26th April	Programming: Programming constructs: putting it all together.
3	3rd May	Programming: Functions.
4	10th May	Programming: Functions.
5	17th May	Programming: Programming constructs: putting it all together.
6	24th May	Programming: Data structures – python's lists.
HALF TERM		
7	7th June	Fundamentals of computer networks: Computer networks – types.
8	**14th June**	**END OF YEAR EXAM**
9	21st June	Fundamentals of computer networks: Network protocols.
10	28th June	Fundamentals of computer networks: Network security.