Computer Science

Term: Autumn
Year: 2020/21
Teacher: **Mr. Tanoli (Head of Subject)**

Textbook title:
GCSE Computer Science for OCR Student Book (Optional)

What will we be covering this term?

> **1st Half Term:**
>
> - **E-Safety – 1 & Introduction to Computing**
>
> **2nd Half Term:**
>
> - **Animation and Control (Scratch)**
>
> There will be an end of term exam based on what students have covered this term.

Teacher's Marking Key:

Mark code	Meaning
EBI	Even better if
www	What went well
Red Pen	Teacher Marked
Green Pen	Self-mark/ Student corrections
Numberd Marks	Graded marking

How will my child be assessed this term?

The Computer Science Department will employ a number of strategies and techniques to assess your child's progress.

- Pupils' learning will be assessed in lessons via selective questioning and student participation.
- Homework will form a key part of students' learning and a useful tool for assessing students' progress.
- Pupils will sit regular tests (End of Topic tests, End of half term test and End of Term test).

There will be at least 2 assessed pieces this term.
In more detail;
At the end of the term there will summative exam that will test their knowledge for what they've covered during the course of the entire term.

How can I help my child in this subject?

- Ensure homework is complete; you can track students' homework assignments at https://www.showmyhomework.co.uk
- Encouragement, praise, ensuring that they do their homework; and checking their student planner.
- Encouraging them to read around the subject.
- Their notes must be in order; discipline is essential.

Resources

Cambridge GCSE Computer Science for OCR Student Book

OCR GCSE (9-1) Computer Science

CGP GCSE Computer Science OCR Complete Revision & Practice - Grade 9-1

Collins Grade 9-1 GCSE Computer Science OCR All-in-One Complete Revision and Practice

Communications
Who do I contact if I have concerns about my child's progress in this subject?
Please feel free to contact us at the school from 9.00-15:00 if you have any questions or concerns.

Websites

http://www.gcsecs.com/
https://www.bbc.com/bitesize/subjects/zvc9q6f

E-Safety

https://www.bbc.com/bitesize/topics/z67ncdm

Scratch

https://code.org/learn
https://scratch.mit.edu/

Flow Charts

https://www.bbc.com/bitesize/guides/z3bq7ty/revision/3

Hardware

https://www.bbc.com/bitesize/guides/zxb72hv/revision/1
http://www.bbc.co.uk/schools/gcsebitesize/ict/hardware/

Algorithms, Binary and Hex

https://www.bbc.com/bitesize/guides/z3bq7ty/revision/1
https://www.bbc.com/bitesize/guides/z26rcdm/revision/1
https://www.advanced-ict.info/interactive/binary.html
https://www.calculator.net/hex-calculator.html

Networks

https://www.bbc.com/bitesize/guides/zc6rcdm/revision/1
https://www.bbc.com/bitesize/guides/zh4whyc/revision/6

Python

https://www.bbc.com/bitesize/guides/zts8d2p/revision/1

Logic gates

https://www.bbc.com/bitesize/clips/zwmf34j
https://www.advanced-ict.info/interactive/boolean.html

2020-21

Computer Science

Term: Spring
Year: 2020/2021
Teacher: **Mr. Tanoli (Head of Subject)**

Textbook title:
GCSE Computer Science for OCR Student Book (Optional)

What will we be covering this term?

1st Half Term:

- **Internet Security & Website Planning**

2nd Half Term:

- **How Computers Work**

There will be an end of term exam based on what students have covered this term.

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Flow Charts

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https://www.bbc.com/bitesize/guides/z26rcdm/revision/1
https://www.advanced-ict.info/interactive/binary.html
https://www.calculator.net/hex-calculator.html

Networks

https://www.bbc.com/bitesize/guides/zc6rcdm/revision/1
https://www.bbc.com/bitesize/guides/zh4whyc/revision/6

Python

https://www.bbc.com/bitesize/guides/zts8d2p/revision/1

Logic gates

https://www.bbc.com/bitesize/clips/zwmf34j
https://www.advanced-ict.info/interactive/boolean.html

E-SAFETY

2020-21

Computer Science

Term: Summer
Year: 2020/2021
Teacher: **Mr. Tanoli (Head of Subject)**

Textbook title:
GCSE Computer Science for OCR Student Book (Optional)

What will we be covering this term?

> **1st Half Term:**
>
> - **Binary and Logic**
>
> **2nd Half Term:**
>
> - **Python Programming and Web Development (HTML, CSS and Java Script)**
>
> There will be an end of term exam based on what students have covered this term.

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2020-21