

Autumn Term 2020

GCSE Computer Science

Year Group: 10

Weeks
1 - 7

Sorting Algorithms

Searching Algorithms

HTML

Assembly Languages & Little Man Computer (LMC)

HALF TERM (16th Oct - 3rd Nov)

Assessments

(Assessment/Date)

- Home Learning Tasks - Example Exam Practice Questions on topics covered in the lesson.

How to support your child in this subject

Revision Resources:

- GCSE POD - Unit 1 & Unit 2 Revision Videos
- BBC Bitesize - Computer Science
- WJEC Digital Resources - Computer Science
- BBC Click
- Teach ICT
- Senecalarning.com
- Purchase the WJEC and EDUQAS GCSE "my revision notes" Computer Science revision book. ISBN 978-1-5104-5493-4

Discussion Points:

- Ask your child to explain how the bubble and merge sort algorithms work.
- Discuss the importance of search and sorting algorithms with your child.
- Ask your child to describe the structure of a HTML webpage.
- Ask your child to explain the Little Man Computer simulation.
- Discuss the difference between High and low level programming languages.

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Weeks 8 -14	Revision, Repair and Exam Technique in preparation for AP1 Assessment
	AP1 Assessment - Exam Paper
	DIRT Week : Review and repair learning
	Software Engineering Tools
	System Software:
	<ul style="list-style-type: none">• Managing resources
	<ul style="list-style-type: none">• Utility software

CHRISTMAS

(18th Dec. 2020 - 5th Jan. 2021)

Assessments

(Assessment/Date)

- AP1 Assessment - Week beginning 16th of November
- Home Learning Tasks - Example Exam Practice Questions on topics covered in the lesson.

How to support your child in this subject

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Discussion Points:

- Discuss with your child their current progress in Computer Science based on their AP1 performance.
- Discuss the role of Integrated Development Environment tools in developing and debugging programs with your child.
- Discuss the purpose and functionality of operating systems in managing resources with your child.
- Discuss the functionality Utility Software.