

Scheme of Learning

Curriculum area: Year 9 – Core Computing Hardware and Software Unit

Key Stage: 4

Unit/Topic Title: Core Computing – Hardware and Software– In this unit pupils are to learn about Hardware and Software Theory

Lesson.	<u>Lesson Objective/topic</u>	<u>Lesson Content</u>	<u>Assessment</u>	<u>Notes</u>
	This column contains the LO for each individual lesson	This column contains suggested strategies for delivering the content in order to meet the LO for the lesson and is hyperlinked to resources	This section identifies where each objective will be assessed.	This column is for reminders, for example key deadline dates for assessments /exams/ PC Data collection etc. Home Learning Tasks
		In this unit pupils you will learn the following skills: <ul style="list-style-type: none"> – Input devices – Output devices – Storage devices – Application Software – Inside and parts of a computer 		Complete quiz at the end of BBC bitesize.
1 lesson	<ul style="list-style-type: none"> • Identify the different input devices. • State the purpose of the different input devices. 	Starter Ask pupils to create a circle on the different input devices <u>Task 1 – on S:Drive</u> Pupils to complete	Mini plenary exercise go through answers	Go through and make notes on following input devices: https://www.bbc.co.uk/bitesize/guides/zqg9q6f/revision/1 https://www.bbc.co.uk/bitesize/guides/zqg9q6f/revision/2

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		Go through answers <u>Task 2 - on S:Drive</u> Pupils to complete Go through answers <u>Plenary</u> Quiz on input devices		https://teach-ict.com/gcse_new/computer%20systems/input_devices/miniweb/index.htm Create a poster on input devices
1 lesson	<ul style="list-style-type: none">Identify the different output devices.State the purpose of the different output devices.	Starter Ask pupils to create a circle on the different output devices <u>Task 1 – on S:Drive</u> Pupils to complete Go through answers <u>Task 2 - on S:Drive</u> Pupils to complete Go through answers <u>Plenary</u> Quiz on output devices	Stop and go through answers after each task Set homework	Go through and make notes on following output devices: https://www.bbc.co.uk/bitesize/guides/zqg9q6f/revision/4 https://www.teach-ict.com/gcse_new/computer%20systems/output_devices/miniweb/index.htm Create a poster on output devices

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1 lesson	<ul style="list-style-type: none">Identify the different storage devices.State the purpose of the different storage devices.	<p>Starter</p> <p>Ask pupils to create a circle on the different storage devices</p> <p><u>Task 1 – on S:Drive</u></p> <p>Pupils to complete</p> <p>Go through answers</p> <p><u>Task 2 - on S:Drive</u></p> <p>Pupils to complete</p> <p>Go through answers</p> <p><u>Plenary</u></p> <p>Quiz on storage devices</p>	<p>Stop and go through answers after each task</p>	<p>Go through and make notes on following storage devices</p> <p>https://www.bbc.co.uk/bitesize/guides/z67j2nb/revision/1</p> <p>https://www.teach-ict.com/gcse_new/computer%20systems/storage_devices/miniweb/index.htm</p> <p>Create a poster on storage devices</p>
1 lesson	<ul style="list-style-type: none">Identify the different application software.	<p>Starter</p> <p>Ask pupils to complete a circle map on the different application software they can identify</p>		<p>Go through the following software and make notes:</p>

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	<ul style="list-style-type: none"> State the purpose of the different application software. 	<p>Main</p> <p>Task sheets 1 and 2</p> <p><u>Extension</u></p> <p>Create poster on application software and what they do</p>	<p>Ensure to stop group and go through tasks</p>	<p>https://www.teach-ict.com/gcse_new/software/types_software/miniweb/index.htm</p> <p>https://www.bbc.co.uk/bitesize/guides/zd3cwmn/revision/1</p> <p>Create a poster on the different software programs</p>
1 lesson	<ul style="list-style-type: none"> Identify and Explain the need for different file types State the advantages and disadvantages of having different file types 	<p><u>Starter</u></p> <p>Ask pupils what file types are.</p> <p>Task 1</p> <p>What are the advantages and disadvantages of having file types</p> <p>Task 2</p> <p>Find out the different file types</p>	<p>Go through answers</p>	<p>Go through and make notes on the different file types:</p> <p>https://www.bbc.co.uk/bitesize/guides/zjb4jxs/revision/3</p> <p>create a poster on the different file types</p>
2 lessons	<ul style="list-style-type: none"> To be able to identify the 	<p><u>Starter</u></p> <p>Complete questions on hardware and software</p>		

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	<p>different hardware component parts for a computer</p> <ul style="list-style-type: none">• Define the different hardware component parts for a computer	<p>Then go through answers.</p> <p><u>Task 1</u></p> <ul style="list-style-type: none">• Create a circle map of the hardware components that make up a computer system <p>Show video to pupils and discuss</p> <p><u>Task 2</u></p> <p>Complete Hardware worksheet</p> <p><u>Task 3</u></p> <p>Complete inside a computer worksheet</p> <p><u>Task 4</u></p> <ul style="list-style-type: none">• Create a PowerPoint presentation with examples of hardware.• Each slide should have:<ul style="list-style-type: none">– Title– Picture of part	<p>Ensure to stop group and go through tasks</p> <p>HW-</p> <p>Revise for test next lesson</p>	<p><u>Task</u></p> <ul style="list-style-type: none">• Create a PowerPoint presentation with examples of hardware.• Each slide should have:<ul style="list-style-type: none">– Title– Picture of part– Description of what it does (written in your own words)– A price sourced from the web (not Ebay!)
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		<ul style="list-style-type: none">– Description of what it does (written in your own words)– A price sourced from the web (not Ebay!)		
1 lesson	Test	Pupils to complete assessment. Record marks on tracker	End of Unit Test	