



Ridgeway High School

YEAR 9 GCSE COMPUTER SCIENCE LEARNING PROGRAMME – MEMORY

CLASS CODE

This half term I will be learning about...	The key words I will learn this half term are...	
<p>This half term I am learning: How Primary and Secondary memory is used within an electronic device. I will learn the characteristics of each type and be able to compare types of Primary memory and types of Secondary storage.</p> <p>By the end of this half term I will be able to: Describe how memory plays an important part in allowing a computer to deal with instructions and will be able to evaluate and justify the use of several types of memory usage for a given application.</p>	<p>RAM</p> <p>ROM</p> <p>VIRTUAL</p> <p>Primary</p> <p>Secondary</p>	<p>Volatile</p> <p>Non-Volatile</p> <p>Solid State</p> <p>Optical</p> <p>Magnetic</p> <p>Flash</p>

Week's Learning	Literacy Links	100% Sheet Homework
<p>Week 1 Course Introduction and Memory Overview. Learn all about the J276 OCR GCSE Computer Science qualification and understand what is expected in terms of course content. I will learn about the importance of memory in modern computer systems and relate this to real-world examples.</p>	<p>I will use these literacy skills... During this learning programme the opportunities for oracy are: Question/Answer, Reading Aloud, Small groups, Evaluation, Interactive Resources, Individual Reading, Paired Work, and Demonstration.</p>	<p>I will complete this home learning... Memory spelling test 1</p>
<p>Week 2 RAM and ROM. I will learn how primary memory is used within a computing device to allow programs to be ran and instructions to be stored. I will comprehend the difference between types of primary storage.</p>	<p>I will use these literacy skills... During this learning programme the opportunities for oracy are: Question/Answer, Reading Aloud, Small groups, Evaluation, Interactive Resources, Individual Reading, Paired Work, and Demonstration.</p>	<p>I will complete this home learning... Memory research 1</p>
<p>Week 3 Virtual memory and Cache. I will learn the impact of running too many programs and the steps a computer will take to assist the user in ensuring programs are supported with memory resources. I will understand how primary storage interacts with the CPU and will recognise the need for an additional cache for commonly used instructions.</p>	<p>I will use these literacy skills... During this learning programme the opportunities for oracy are: Question/Answer, Reading Aloud, Small groups, Evaluation, Interactive Resources, Individual Reading, Paired Work, and Demonstration.</p>	<p>I will complete this home learning... GCSE past paper memory question</p>
<p>Week 4 Primary memory factors and Secondary storage. I will understand some of the factors that affect primary memory usage and link this to an overview of the requirement for secondary storage in modern technology.</p>	<p>I will use these literacy skills... During this learning programme the opportunities for oracy are: Question/Answer, Reading Aloud, Small groups, Evaluation, Interactive Resources, Individual Reading, Paired Work, and Demonstration.</p>	<p>I will complete this home learning... Memory spelling test 2</p>
<p>Week 5 I will consolidate aspects of secondary storage through revision and practice of GCSE past paper questions.</p> <p>Summative Assessment</p>	<p>I will use these literacy skills... During this learning programme the opportunities for oracy are: Question/Answer, Reading Aloud, Small groups, Evaluation, Interactive Resources, Individual Reading, Paired Work, and Demonstration.</p>	<p>I will complete this home learning... Primary and Secondary storage memory revision questions</p>
<p>Week 6 Feedback/GAP week. Students will receive feedback in relation to work and progress for the half term. Students will be given WWW/EBI and targets for the next unit of work.</p>	<p>I will use these literacy skills... During this learning programme the opportunities for oracy are: Question/Answer, Reading Aloud, Small groups, Evaluation,</p>	<p>I will complete this home learning... Primary and Secondary memory multiple choice quiz</p>

	Interactive Resources, Individual Reading, Paired Work, and Demonstration.	
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Resources to support:

www.bbc.co.uk/bitesize

www.getrevising.com

<https://www.internetmatters.org>

Social, Moral, Spiritual, Cultural and British Values linked to this learning programme:

Social and Moral aspects of replacing older memory modules with new – consideration of E-Waste on society.

Assessment:

Self, Paired and Class AfL using questioning, diagnostic tests, formative and summative assessment.