



MINISTRY OF EDUCATION, SCIENCE, VOCATIONAL AND EARLY EDUCATION  
NORTHERN PROVINCE JUNIOR SECONDARY  
COMPUTER STUDIES  
ANNUAL SCHEMES OF WORK FOR GRADE 8

NAME OF SCHOOL: \_\_\_\_\_

NAME OF TEACHER: \_\_\_\_\_

CLASS/CLASSES: \_\_\_\_\_

TS NUMBER: \_\_\_\_\_

## Assessment Scheme

The assessment framework utilises various types of continuous assessment strategies. This is meant to determine learners' competences in the CS outcomes presented here. It is desired that the teacher as much as possible utilise assessment strategies that promote active learning by the learner. The case in point includes portfolios, observation sheets (to gauge certain competences), written assignments and reports, presentations, projects and experiments.

Computer Studies is a practical subject and as such this syllabus places a lot of emphasis on the use of common application packages. Object oriented programming languages will not be examined at this level. It will therefore be the schools' responsibility to ensure that relevant equipment and software needed by learners to meet the minimum requirements for assessment purposes are acquired.

The final assessment of Computer Studies is divided into two sections

1. Theory (Paper 1) - (External assessment by the examination board): 60%
2. Practical (Paper 2) - (External assessment by the examination board): 40%

Computer Studies assessment at junior secondary school level covers the six categories of Bloom's Taxonomy with their respective weightings on Assessment Objectives (AOs) as shown below:

Paper	Levels of Assessment	Weighting on AOs	TOTAL MARKS
PAPER 1	Knowledge and Comprehension	25%	60
	Analysis (Analytical Skills)	11%	
PAPER 2	Application (Hands on Skills)	57%	40
	Synthesis and Evaluation	7%	
<b>Total Marks of Paper1 and Paper 2</b>			<b>100%</b>

The weightings of the subject will be done against Assessment Objectives (AOs) and these are drawn from the whole junior secondary school syllabus. It is therefore important that the teacher well balances the teaching of the content of the subject accordingly.

# TERM 1

WEEK NO.	DATE BEG.	TOPIC & TEACHING OBJECTIVES	TEACHING AIDS	REFERENCES	METHODOLOGY	EVALUATION
1		INTRODUCTION TO COMPUTER STUDIES: Parts of a computer <ul style="list-style-type: none"> <li>- Identify a computer as a general purpose machine that operates under different sets of instructions for various uses</li> <li>- Describe the main parts of a computer</li> <li>- Components of a computer system</li> </ul>	<ul style="list-style-type: none"> <li>- Chalk board</li> <li>- Overhead projector</li> <li>- Personal Computers</li> <li>- Computer peripherals</li> <li>- Charts</li> <li>- Still Images</li> <li>- Motion Images (videos)</li> </ul>		<ul style="list-style-type: none"> <li>- Verbal Exposition</li> <li>- Recitation</li> <li>- Class discussion</li> <li>- Group discussion</li> <li>- Demonstrations</li> <li>- Presentations</li> <li>- Interviews</li> <li>- Field trip</li> </ul>	<ul style="list-style-type: none"> <li>- Exercises</li> <li>- Homework</li> <li>- Assignment</li> <li>- Recitation</li> </ul>
2		INTRODUCTION TO COMPUTER STUDIES: Input-process output operations <ul style="list-style-type: none"> <li>- State the three basic operations in a computer system.</li> </ul>	<ul style="list-style-type: none"> <li>- Chalk board</li> <li>- Overhead projector</li> <li>- Personal Computers</li> <li>- Computer peripherals</li> <li>- Charts</li> </ul>	<ul style="list-style-type: none"> <li>- Computer studies Compiled Notes for Northern Province</li> <li>- ECDL Advanced Learning Software</li> <li>- Mr B. Mwanza Class Notes.</li> <li>- <a href="http://www.bbc.co.uk/bitesize/standard/computing/computer_systems">http://www.bbc.co.uk/bitesize/standard/computing/computer_systems</a></li> </ul>	<ul style="list-style-type: none"> <li>- Verbal Exposition</li> <li>- Recitation</li> <li>- Class discussion</li> <li>- Group discussion</li> <li>- Demonstrations</li> <li>- Presentations</li> <li>- Case study</li> </ul>	<ul style="list-style-type: none"> <li>- Exercises</li> <li>- Homework</li> <li>- Assignment</li> <li>- Recitation</li> </ul>

		<ul style="list-style-type: none"> <li>- Relate computer parts to the basic operations</li> <li>- Differentiate between data and information.</li> </ul>	<ul style="list-style-type: none"> <li>- Still Images</li> <li>- Motion Images (videos)</li> </ul>		<ul style="list-style-type: none"> <li>- Interviews</li> <li>- Field trip</li> </ul>	
3		<p><b>BASIC OPERATIONS:</b> Health and safety and Care for Computer Systems</p> <ul style="list-style-type: none"> <li>- Know correct posture to avoid injuries.</li> <li>- Demonstrate the need to take care of computer and storage media to prevent data loss</li> <li>- Explain the consequences of theft of computers or other portable ICT devices</li> </ul>	<ul style="list-style-type: none"> <li>- Chalk board</li> <li>- Overhead projector</li> <li>- Personal Computers</li> <li>- Computer peripherals</li> <li>- Charts</li> <li>- Still Images</li> <li>- Motion Images (videos)</li> </ul>	<ul style="list-style-type: none"> <li>- Computer studies Compiled Notes for Northern Province</li> <li>- ECDL Advanced Learning Software</li> <li>- Mr B. Mwanza Class Notes.</li> <li>- <a href="http://www.bbc.co.uk/bitesize/standard/computing/computer_sys">http://www.bbc.co.uk/bitesize/standard/computing/computer_sys</a></li> </ul>	<ul style="list-style-type: none"> <li>- Verbal Exposition</li> <li>- Recitation</li> <li>- Class discussion</li> <li>- Group discussion</li> <li>- Demonstrations</li> <li>- Presentations</li> <li>- Case study</li> <li>- Interviews</li> <li>- Field trip</li> </ul>	<ul style="list-style-type: none"> <li>- Exercises</li> <li>- Homework</li> <li>- Assignee</li> <li>- Recitation</li> </ul>

4		<p><b>BASIC OPERATIONS:</b> Computers and peripherals</p> <ul style="list-style-type: none"> <li>- Power up and down of computers and various technologies and peripherals correctly</li> </ul> <p><b>BASIC OPERATIONS:</b> Security and Viruses</p> <ul style="list-style-type: none"> <li>- Explain the consequences computer viruses on a computer system</li> </ul>	<ul style="list-style-type: none"> <li>- Chalk board</li> <li>- Overhead projector</li> <li>- Personal Computers</li> <li>- Computer peripherals</li> <li>- Charts</li> <li>- Still Images</li> <li>- Motion Images (videos)</li> </ul>	<ul style="list-style-type: none"> <li>- Computer studies Compiled Notes for Northern Province</li> <li>- ECDL Advanced Learning Software</li> <li>- Mr B. Mwanza Class Notes.</li> <li>- <a href="http://www.bbc.co.uk/bitesize/standard/computing/computer_sys">http://www.bbc.co.uk/bitesize/standard/computing/computer_sys</a> tems</li> </ul>	<ul style="list-style-type: none"> <li>- Verbal Exposition</li> <li>- Recitation</li> <li>- Class discussion</li> <li>- Group discussion</li> <li>- Demonstration s</li> <li>- Presentations</li> <li>- Case study</li> <li>- Interviews</li> <li>- Field trip</li> </ul>	<ul style="list-style-type: none"> <li>- Exercises</li> <li>- Homework</li> <li>- Assignment t</li> <li>- Recitation</li> </ul>
5		<p><b>BASIC OPERATIONS:</b> Types of user interfaces</p> <ul style="list-style-type: none"> <li>- Describe types of user interfaces</li> <li>- Interact with icons and menus in a Graphic User Interface (GUI) environment</li> </ul>	<ul style="list-style-type: none"> <li>- Chalk board</li> <li>- Overhead projector</li> <li>- Personal Computers</li> <li>- Computer peripherals</li> <li>- Charts</li> <li>- Still Images</li> </ul>	<ul style="list-style-type: none"> <li>- Computer studies Compiled Notes for Northern Province</li> <li>- ECDL Advanced Learning Software</li> <li>- Mr B. Mwanza Class Notes.</li> <li>- <a href="http://www.bbc.co.uk/bitesize/standard/computing/computer">http://www.bbc.co.uk/bitesize/standard/computing/computer</a></li> </ul>	<ul style="list-style-type: none"> <li>- Verbal Exposition</li> <li>- Recitation</li> <li>- Class discussion</li> <li>- Group discussion</li> <li>- Demonstration s</li> <li>- Presentations</li> <li>- Case study</li> <li>- Interviews</li> <li>- Field trip</li> </ul>	<ul style="list-style-type: none"> <li>- Exercises</li> <li>- Homework</li> <li>- Assignment t</li> <li>- Recitation</li> </ul>

		<ul style="list-style-type: none"> <li>- Perform basic computer operations e.g. Moving cursor, clicking on icon, using pulldown menus, ejecting disks etc.</li> </ul>	<ul style="list-style-type: none"> <li>- Motion Images (videos)</li> </ul>			
6		Mid – Term Tests	-	-	- Case Study	- Tests
7		<p>COMPUTERS IN EVERYDAY LIFE: Household, Entertainment and recreation appliances</p> <ul style="list-style-type: none"> <li>- Identify and demonstrate the use of household appliances and devices that are controlled by embedded microprocessors</li> </ul> <p>COMPUTERS IN EVERYDAY LIFE: Office Equipment</p> <ul style="list-style-type: none"> <li>- State common uses of office equipment</li> </ul>	<ul style="list-style-type: none"> <li>- Chalk board</li> <li>- Overhead projector</li> <li>- Personal Computers</li> <li>- Computer peripherals</li> <li>- Charts</li> <li>- Still Images</li> <li>- Motion Images (videos)</li> </ul>	<ul style="list-style-type: none"> <li>- Computer studies Compiled Notes for Northern Province</li> <li>- ECDL Advanced Learning Software</li> <li>- Mr B. Mwanza Class Notes.</li> <li>- <a href="http://www.bbc.co.uk/bitesize/standard/computing/computer">http://www.bbc.co.uk/bitesize/standard/computing/computer</a></li> </ul>	<ul style="list-style-type: none"> <li>- Verbal Exposition</li> <li>- Recitation</li> <li>- Class discussion</li> <li>- Group discussion</li> <li>- Demonstrations</li> <li>- Presentations</li> <li>- Case study</li> <li>- Interviews</li> <li>- Field trip</li> </ul>	<ul style="list-style-type: none"> <li>- Exercises</li> <li>- Homework</li> <li>- Assignment</li> <li>- Recitation</li> </ul>

		<p>COMPUTERS IN EVERYDAY LIFE: Industrial and Commercial Applications of compute</p> <ul style="list-style-type: none"> <li>- Describe knowledge of using computers in Industry</li> </ul>				
8		<p>COMPUTERS IN EVERYDAY LIFE: Computer based learning</p> <ul style="list-style-type: none"> <li>- Identify the role computers play in aiding learning</li> </ul> <p>COMPUTERS IN EVERYDAY LIFE:</p> <ul style="list-style-type: none"> <li>- Identify social and economic effects of computers</li> </ul>	<ul style="list-style-type: none"> <li>- Chalk board</li> <li>- Overhead projector</li> <li>- Personal Computers</li> <li>- Computer peripherals</li> <li>- Charts</li> <li>- Still Images</li> <li>- Motion Images (videos)</li> </ul>	<ul style="list-style-type: none"> <li>- Computer studies Compiled Notes for Northern Province</li> <li>- ECDL Advanced Learning Software</li> <li>- Mr B. Mwanza Class Notes.</li> <li>- <a href="http://www.bbc.co.uk/bitesize/standard/computing/computer">http://www.bbc.co.uk/bitesize/standard/computing/computer</a></li> </ul>	<ul style="list-style-type: none"> <li>- Verbal Exposition</li> <li>- Recitation</li> <li>- Class discussion</li> <li>- Group discussion</li> <li>- Demonstrations</li> <li>- Presentations</li> <li>- Case study</li> <li>- Interviews</li> <li>- Field trip</li> </ul>	<ul style="list-style-type: none"> <li>- Exercises</li> <li>- Homework</li> <li>- Assignment</li> <li>- Recitation</li> </ul>

9		<p><b>PRODUCTIVITY TOOLS (WORD PROCESSING):</b>  <b>Introduction to Windows</b></p> <ul style="list-style-type: none"> <li>- Demonstrate how to operate Windows</li> <li>- Demonstrate how to start and quit a program</li> <li>-</li> </ul>	<ul style="list-style-type: none"> <li>- Chalk board</li> <li>- Overhead projector</li> <li>- Personal Computers</li> <li>- Computer peripherals</li> <li>- Charts</li> <li>- Still Images</li> <li>- Motion Images (videos)</li> </ul>	<ul style="list-style-type: none"> <li>- Computer studies Compiled Notes for Northern Province</li> <li>- ECDL Advanced Learning Software</li> <li>- Mr B. Mwanza Class Notes.</li> <li>- <a href="http://www.bbc.co.uk/bitesize/standard/computing/computer">http://www.bbc.co.uk/bitesize/standard/computing/computer</a></li> </ul>	<ul style="list-style-type: none"> <li>- Verbal Exposition</li> <li>- Recitation</li> <li>- Class discussion</li> <li>- Group discussion</li> <li>- Demonstrations</li> <li>- Presentations</li> <li>- Case study</li> <li>- Interviews</li> <li>- Field trip</li> </ul>	<ul style="list-style-type: none"> <li>- Exercises</li> <li>- Homework</li> <li>- Assignment</li> <li>- Recitation</li> </ul>
10		<p><b>PRODUCTIVITY TOOLS (WORD PROCESSING):</b>  <b>Key in, Text Manipulation, Editing and Formatting</b></p> <ul style="list-style-type: none"> <li>- Demonstrate text input, type over, insertion of words and symbols, deletion and reformatting</li> <li>- Demonstrate copying, deleting and moving blocks</li> </ul>	<ul style="list-style-type: none"> <li>- Chalk board</li> <li>- Overhead projector</li> <li>- Personal Computers</li> <li>- Computer peripherals</li> <li>- Charts</li> <li>- Still Images</li> <li>- Motion Images (videos)</li> </ul>	<ul style="list-style-type: none"> <li>- Computer studies Compiled Notes for Northern Province</li> <li>- ECDL Advanced Learning Software</li> <li>- Mr B. Mwanza Class Notes.</li> <li>- <a href="http://www.bbc.co.uk/bitesize/standard/computing/computer">http://www.bbc.co.uk/bitesize/standard/computing/computer</a></li> </ul>	<ul style="list-style-type: none"> <li>- Verbal Exposition</li> <li>- Recitation</li> <li>- Class discussion</li> <li>- Group discussion</li> <li>- Demonstrations</li> <li>- Presentations</li> <li>- Case study</li> <li>- Interviews</li> <li>- Field trip</li> </ul>	<ul style="list-style-type: none"> <li>- Exercises</li> <li>- Homework</li> <li>- Assignment</li> <li>- Recitation</li> </ul>



		<p>of text within a document</p> <ul style="list-style-type: none"> <li>- Illustrate the use of a clipboard</li> <li>- Use the undo command to reverse the effect of the last action</li> <li>- Use the redo command to reverse the undo action</li> </ul>				
11		<p>PRODUCTIVITY TOOLS (WORD PROCESSING): Proof Reading, Print Preview and Printing, Saving Files and Drawing Simple Graphics</p> <ul style="list-style-type: none"> <li>- Check the spelling of words in a document against a built-in dictionary</li> <li>- Describe the limitations of the spelling checker</li> </ul>	<ul style="list-style-type: none"> <li>- Chalk board</li> <li>- Overhead projector</li> <li>- Personal Computers</li> <li>- Computer peripherals</li> <li>- Charts</li> <li>- Still Images</li> <li>- Motion Images (videos)</li> </ul>	<ul style="list-style-type: none"> <li>- Computer studies Compiled Notes for Northern Province</li> <li>- ECDL Advanced Learning Software</li> <li>- Mr B. Mwanza Class Notes.</li> <li>- <a href="http://www.bbc.co.uk/bitesize/standard/computing/computer">http://www.bbc.co.uk/bitesize/standard/computing/computer</a></li> </ul>	<ul style="list-style-type: none"> <li>- Verbal Exposition</li> <li>- Recitation</li> <li>- Class discussion</li> <li>- Group discussion</li> <li>- Demonstrations</li> <li>- Presentations</li> <li>- Case study</li> <li>- Interviews</li> <li>- Field trip</li> </ul>	<ul style="list-style-type: none"> <li>- Exercises</li> <li>- Homework</li> <li>- Assignment</li> <li>- Recitation</li> </ul>

		<ul style="list-style-type: none"> <li>- Use the print preview and print a document</li> <li>- Demonstrate how to save a file to a specific location or media</li> <li>- Create graphics using basic graphic elements</li> </ul>				
12		End of Term Tests	-	-	- Case Study	- Tests
13		End of Term Tests	-	-	- Case Study	- Tests

## TERM 2

WEEK NO.	DATE BEG.	TOPIC & TEACHING OBJECTIVES	TEACHING AIDS	REFERENCES	METHODOLOGY	EVALUATION
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1		<p>PRODUCTIVITY TOOLS (SPREAD SHEETS): Introduction to Spreadsheet.</p> <ul style="list-style-type: none"> <li>- Demonstrate an understanding of the concept of worksheet and workbook</li> <li>- Explain the common features of a spreadsheet</li> <li>- Demonstrate the application of a spreadsheet in everyday life</li> </ul> <p>PRODUCTIVITY TOOLS (SPREAD SHEETS): Entering, editing data and Adding Formula</p> <ul style="list-style-type: none"> <li>- Enter and manipulate data using spread sheets for a specific purpose</li> <li>- Illustrate the skill of entering text and numbers</li> </ul>	<ul style="list-style-type: none"> <li>- Chalk board</li> <li>- Overhead projector</li> <li>- Personal Computers</li> <li>- Computer peripherals</li> <li>- Charts</li> <li>- Still Images</li> <li>- Motion Images (videos)</li> </ul>		<ul style="list-style-type: none"> <li>- Verbal Exposition</li> <li>- Recitation</li> <li>- Class discussion</li> <li>- Group discussion</li> <li>- Demonstrations</li> <li>- Presentations</li> <li>- Interviews</li> <li>- Field trip</li> </ul>	<ul style="list-style-type: none"> <li>- Exercises</li> <li>- Homework</li> <li>- Assignment</li> <li>- Recitation</li> </ul>
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		<ul style="list-style-type: none"> <li>- in specified cells</li> <li>- Delete and edit text and numbers in cells as required</li> <li>-</li> </ul>				
2		<p>PRODUCTIVITY TOOLS (SPREAD SHEETS): Entering, editing data and Adding Formula</p> <ul style="list-style-type: none"> <li>- Enter data, numbers and apply simple formula with a range not more than ten cell addresses</li> <li>- Design, create and modify a spread sheet for a specific purpose with a maximum of five cell addresses</li> </ul>	<ul style="list-style-type: none"> <li>- Chalk board</li> <li>- Overhead projector</li> <li>- Personal Computers</li> <li>- Computer peripherals</li> <li>- Charts</li> <li>- Still Images</li> <li>- Motion Images (videos)</li> </ul>	<ul style="list-style-type: none"> <li>- Computer studies Compiled Notes for Northern Province</li> <li>- ECDL Advanced Learning Software</li> <li>- Mr B. Mwanza Class Notes.</li> <li>- <a href="http://www.bbc.co.uk/bitesize/standard/computing/computer_systems">http://www.bbc.co.uk/bitesize/standard/computing/computer_systems</a></li> </ul>	<ul style="list-style-type: none"> <li>- Verbal Exposition</li> <li>- Recitation</li> <li>- Class discussion</li> <li>- Group discussion</li> <li>- Demonstrations</li> <li>- Presentations</li> <li>- Case study</li> <li>- Interviews</li> <li>- Field trip</li> </ul>	<ul style="list-style-type: none"> <li>- Exercises</li> <li>- Homework</li> <li>- Assignment</li> <li>- Recitation</li> </ul>

3		<p>PRODUCTIVITY TOOLS (SPREAD SHEETS):          Entering, editing data and Adding Formula</p> <ul style="list-style-type: none"> <li>- Save to specified folder and print a spread sheet</li> <li>- Change magnification to appropriate percentage to print a given spread sheet</li> </ul> <p>PRODUCTIVITY TOOLS (POWERPOINT):          Getting Started with PowerPoint</p> <ul style="list-style-type: none"> <li>- Describe the importance of a presentation software</li> <li>- Understand PowerPoint Principles</li> <li>- Start PowerPoint</li> </ul>	<ul style="list-style-type: none"> <li>- Chalk board</li> <li>- Overhead projector</li> <li>- Personal Computers</li> <li>- Computer peripherals</li> <li>- Charts</li> <li>- Still Images</li> <li>- Motion Images (videos)</li> </ul>	<ul style="list-style-type: none"> <li>- Computer studies Compiled Notes for Northern Province</li> <li>- ECDL Advanced Learning Software</li> <li>- Mr B. Mwanza Class Notes.</li> <li>- <a href="http://www.bbc.co.uk/bitesize/standard/computing/computer_systems">http://www.bbc.co.uk/bitesize/standard/computing/computer_systems</a></li> </ul>	<ul style="list-style-type: none"> <li>- Verbal Exposition</li> <li>- Recitation</li> <li>- Class discussion</li> <li>- Group discussion</li> <li>- Demonstrations</li> <li>- Presentations</li> <li>- Case study</li> <li>- Interviews</li> <li>- Field trip</li> </ul>	<ul style="list-style-type: none"> <li>- Exercises</li> <li>- Homework</li> <li>- Assignee</li> <li>- Recitation</li> </ul>
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4		<p><b>PRODUCTIVITY TOOLS (POWERPOINT): Getting Started with PowerPoint</b></p> <ul style="list-style-type: none"> <li>- Use an Installed Template</li> <li>- Understand the Ribbon and Quick Access Toolbar</li> <li>- Use Help</li> <li>- Understand and Use Different Views</li> </ul>	<ul style="list-style-type: none"> <li>- Chalk board</li> <li>- Overhead projector</li> <li>- Personal Computers</li> <li>- Computer peripherals</li> <li>- Charts</li> <li>- Still Images</li> <li>- Motion Images (videos)</li> </ul>	<ul style="list-style-type: none"> <li>- Computer studies Compiled Notes for Northern Province</li> <li>- ECDL Advanced Learning Software</li> <li>- Mr B. Mwanza Class Notes.</li> <li>- <a href="http://www.bbc.co.uk/bitesize/standard/computing/computer_systems">http://www.bbc.co.uk/bitesize/standard/computing/computer_systems</a></li> </ul>	<ul style="list-style-type: none"> <li>- Verbal Exposition</li> <li>- Recitation</li> <li>- Class discussion</li> <li>- Group discussion</li> <li>- Demonstrations</li> <li>- Presentations</li> <li>- Case study</li> <li>- Interviews</li> <li>- Field trip</li> </ul>	<ul style="list-style-type: none"> <li>- Exercises</li> <li>- Homework</li> <li>- Assignment</li> <li>- Recitation</li> </ul>
5		<p><b>PRODUCTIVITY TOOLS (POWERPOINT): Slides &amp; Presentations</b></p> <ul style="list-style-type: none"> <li>- Understand Slide Show Basics</li> <li>- Save, Close and Open Presentations</li> <li>- Use Presentations</li> </ul>	<ul style="list-style-type: none"> <li>- Chalk board</li> <li>- Overhead projector</li> <li>- Personal Computers</li> <li>- Computer peripherals</li> <li>- Charts</li> <li>- Still Images</li> </ul>	<ul style="list-style-type: none"> <li>- Computer studies Compiled Notes for Northern Province</li> <li>- ECDL Advanced Learning Software</li> <li>- Mr B. Mwanza Class Notes.</li> <li>- <a href="http://www.bbc.co.uk/bitesize/standard/computing/computer">http://www.bbc.co.uk/bitesize/standard/computing/computer</a></li> </ul>	<ul style="list-style-type: none"> <li>- Verbal Exposition</li> <li>- Recitation</li> <li>- Class discussion</li> <li>- Group discussion</li> <li>- Demonstrations</li> <li>- Presentations</li> <li>- Case study</li> <li>- Interviews</li> <li>- Field trip</li> </ul>	<ul style="list-style-type: none"> <li>- Exercises</li> <li>- Homework</li> <li>- Assignment</li> <li>- Recitation</li> </ul>

		<ul style="list-style-type: none"> <li>n / Design Templates</li> <li>- Add New Slides / Insert Slides / Delete Slides</li> <li>- Change Slide Layout and Background</li> </ul>	<ul style="list-style-type: none"> <li>- Motion Images (videos)</li> </ul>			
6		Mid term Tests	-	-	- Case Study	- Tests
7		<b>PRODUCTIVITY TOOLS (DESKTOP PUBLISHING):</b> Publishing basics and Features <ul style="list-style-type: none"> <li>- Define desktop publishing</li> <li>- Identify the two types of a publication</li> <li>- Compare different features of desktop publishing and word processing software</li> <li>- Pre-designed</li> </ul>	<ul style="list-style-type: none"> <li>- Chalk board</li> <li>- Overhead projector</li> <li>- Personal Computers</li> <li>- Computer peripherals</li> <li>- Charts</li> <li>- Still Images</li> <li>- Motion Images (videos)</li> </ul>	<ul style="list-style-type: none"> <li>- Computer studies Compiled Notes for Northern Province</li> <li>- ECDL Advanced Learning Software</li> <li>- Mr B. Mwanza Class Notes.</li> <li>- <a href="http://www.bbc.co.uk/bitesize/standard/computing/computer">http://www.bbc.co.uk/bitesize/standard/computing/computer</a></li> </ul>	<ul style="list-style-type: none"> <li>- Verbal Exposition</li> <li>- Recitation</li> <li>- Class discussion</li> <li>- Group discussion</li> <li>- Demonstrations</li> <li>- Presentations</li> <li>- Case study</li> <li>- Interviews</li> <li>- Field trip</li> </ul>	<ul style="list-style-type: none"> <li>- Exercises</li> <li>- Homework</li> <li>- Assignment</li> <li>- Recitation</li> </ul>

		layouts or Templates				
8		<p>PRODUCTIVITY TOOLS (DESKTOP PUBLISHING): Elementary Graphics, Colours, Fonts and Clip art/Re-designed graphic</p> <ul style="list-style-type: none"> <li>- Generate frames in which text and graphics are placed</li> <li>- Edit the layout of a publication</li> <li>- Input text directly into a publication</li> <li>- Import text from word processing document into a publication</li> <li>- Apply the three elements of fonts</li> </ul>	<ul style="list-style-type: none"> <li>- Chalk board</li> <li>- Overhead projector</li> <li>- Personal Computers</li> <li>- Computer peripherals</li> <li>- Charts</li> <li>- Still Images</li> <li>- Motion Images (videos)</li> </ul>	<ul style="list-style-type: none"> <li>- Computer studies Compiled Notes for Northern Province</li> <li>- ECDL Advanced Learning Software</li> <li>- Mr B. Mwanza Class Notes.</li> <li>- <a href="http://www.bbc.co.uk/bitesize/standard/computing/computer">http://www.bbc.co.uk/bitesize/standard/computing/computer</a></li> </ul>	<ul style="list-style-type: none"> <li>- Verbal Exposition</li> <li>- Recitation</li> <li>- Class discussion</li> <li>- Group discussion</li> <li>- Demonstrations</li> <li>- Presentations</li> <li>- Case study</li> <li>- Interviews</li> <li>- Field trip</li> </ul>	<ul style="list-style-type: none"> <li>- Exercises</li> <li>- Homework</li> <li>- Assignment</li> <li>- Recitation</li> </ul>



9		<p><b>PRODUCTIVITY TOOLS (DESKTOP PUBLISHING):</b> Elementary Graphics, Colours, Fonts and Clip art/Re-designed graphic</p> <ul style="list-style-type: none"> <li>- Create graphics using basic graphic elements</li> <li>- Select colours for the outlines and fill of objects from the palette</li> <li>- Integrate Text into graphic design</li> <li>- Retrieve and edit predesigned graphics to compose a picture</li> <li>- Know how productivity tools</li> </ul>	<ul style="list-style-type: none"> <li>- Chalk board</li> <li>- Overhead projector</li> <li>- Personal Computers</li> <li>- Computer peripherals</li> <li>- Charts</li> <li>- Still Images</li> <li>- Motion Images (videos)</li> </ul>	<ul style="list-style-type: none"> <li>- Computer studies Compiled Notes for Northern Province</li> <li>- ECDL Advanced Learning Software</li> <li>- Mr B. Mwanza Class Notes.</li> <li>- <a href="http://www.bbc.co.uk/bitesize/standard/computing/computer">http://www.bbc.co.uk/bitesize/standard/computing/computer</a></li> </ul>	<ul style="list-style-type: none"> <li>- Verbal Exposition</li> <li>- Recitation</li> <li>- Class discussion</li> <li>- Group discussion</li> <li>- Demonstration</li> <li>- Presentations</li> <li>- Case study</li> <li>- Interviews</li> <li>- Field trip</li> </ul>	<ul style="list-style-type: none"> <li>- Exercises</li> <li>- Homework</li> <li>- Assignment</li> <li>- Recitation</li> </ul>
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		complement each other				
10		<p><b>NETWORKS AND THE INTERNET: Networking</b></p> <ul style="list-style-type: none"> <li>- Analyse the rationale of networking computers in different locations.</li> <li>- Differentiate between Wired and wireless networks</li> <li>- Describe how to access information using a local area network and a Wide area network</li> </ul>	<ul style="list-style-type: none"> <li>- Chalk board</li> <li>- Overhead projector</li> <li>- Personal Computers</li> <li>- Computer peripherals</li> <li>- Charts</li> <li>- Still Images</li> <li>- Motion Images (videos)</li> </ul>	<ul style="list-style-type: none"> <li>- Computer studies Compiled Notes for Northern Province</li> <li>- ECDL Advanced Learning Software</li> <li>- Mr B. Mwanza Class Notes.</li> <li>- <a href="http://www.bbc.co.uk/bitesize/standard/computing/computer">http://www.bbc.co.uk/bitesize/standard/computing/computer</a></li> </ul>	<ul style="list-style-type: none"> <li>- Verbal Exposition</li> <li>- Recitation</li> <li>- Class discussion</li> <li>- Group discussion</li> <li>- Demonstrations</li> <li>- Presentations</li> <li>- Case study</li> <li>- Interviews</li> <li>- Field trip</li> </ul>	<ul style="list-style-type: none"> <li>- Exercises</li> <li>- Homework</li> <li>- Assignment</li> <li>- Recitation</li> </ul>

11		<p><b>NETWORKS AND THE INTERNET: The Internet, Email, Web browser and Search Engine</b></p> <ul style="list-style-type: none"> <li>- Upload and download text, image, audio and video file</li> <li>- Illustrate ability to search the web for specific information.</li> <li>- Identify web browsers as a tool to accessing web pages on the internet.</li> <li>- Demonstrate how to open a web browser and go to specific Universal Resource</li> </ul>	<ul style="list-style-type: none"> <li>- Chalk board</li> <li>- Overhead projector</li> <li>- Personal Computers</li> <li>- Computer peripherals</li> <li>- Charts</li> <li>- Still Images</li> <li>- Motion Images (videos)</li> </ul>	<ul style="list-style-type: none"> <li>- Computer studies Compiled Notes for Northern Province</li> <li>- ECDL Advanced Learning Software</li> <li>- Mr B. Mwanza Class Notes.</li> <li>- <a href="http://www.bbc.co.uk/bitesize/standard/computing/computer">http://www.bbc.co.uk/bitesize/standard/computing/computer</a></li> </ul>	<ul style="list-style-type: none"> <li>- Verbal Exposition</li> <li>- Recitation</li> <li>- Class discussion</li> <li>- Group discussion</li> <li>- Demonstrations</li> <li>- Presentations</li> <li>- Case study</li> <li>- Interviews</li> <li>- Field trip</li> </ul>	<ul style="list-style-type: none"> <li>- Exercises</li> <li>- Homework</li> <li>- Assignment</li> <li>- Recitation</li> </ul>
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		<p>Locator (URL)</p> <ul style="list-style-type: none"> <li>- Define a search engine and what it is used fo</li> <li>- Use a search engine to look for information on the internet</li> <li>- Explain what email is used for</li> </ul>				
12		End of Term Tests	-	-	- Case Study	- Tests
13		End of Term Tests	-	-	- Case Study	- Tests

## TERM 3

WEEK NO.	DATE BEG.	TOPIC & TEACHING OBJECTIVES	TEACHING AIDS	REFERENCES	METHODOLOGY	EVALUATION
1		MULTIMEDIA FILES: Introduction to multimedia files <ul style="list-style-type: none"> <li>- Describe the various types of multimedia files.</li> </ul>	<ul style="list-style-type: none"> <li>- Chalk board</li> <li>- Overhead projector</li> <li>- Personal Computers</li> <li>- Computer peripherals</li> <li>- Charts</li> <li>- Still Images</li> <li>- Motion Images (videos)</li> </ul>		<ul style="list-style-type: none"> <li>- Verbal Exposition</li> <li>- Recitation</li> <li>- Class discussion</li> <li>- Group discussion</li> <li>- Demonstrations</li> <li>- Presentations</li> <li>- Interviews</li> <li>- Field trip</li> </ul>	<ul style="list-style-type: none"> <li>- Exercises</li> <li>- Homework</li> <li>- Assignment</li> <li>- Recitation</li> </ul>
2		MULTIMEDIA FILES: Graphics, Video and Audio <ul style="list-style-type: none"> <li>- Create a multimedia presentation incorporating visual image features</li> <li>- Access available databases for images, sound clips or recorded voice</li> </ul>	<ul style="list-style-type: none"> <li>- Chalk board</li> <li>- Overhead projector</li> <li>- Personal Computers</li> <li>- Computer peripherals</li> <li>- Charts</li> <li>- Still Images</li> <li>- Motion Images (videos)</li> </ul>	<ul style="list-style-type: none"> <li>- Computer studies Compiled Notes for Northern Province</li> <li>- ECDL Advanced Learning Software</li> <li>- Mr B. Mwanza Class Notes.</li> <li>- <a href="http://www.bbc.co.uk/bitesize/standard/computing/computer_systems">http://www.bbc.co.uk/bitesize/standard/computing/computer_systems</a></li> </ul>	<ul style="list-style-type: none"> <li>- Verbal Exposition</li> <li>- Recitation</li> <li>- Class discussion</li> <li>- Group discussion</li> <li>- Demonstrations</li> <li>- Presentations</li> <li>- Case study</li> <li>- Interviews</li> <li>- Field trip</li> </ul>	<ul style="list-style-type: none"> <li>- Exercises</li> <li>- Homework</li> <li>- Assignment</li> <li>- Recitation</li> </ul>

		<p>to support communication</p> <ul style="list-style-type: none"> <li>- Support communications by controlling the flow of a presentation.</li> </ul>				
3		<p>INTRODUCTION TO COMPUTERS: Peripheral devices</p> <ul style="list-style-type: none"> <li>- Connecting peripheral devices to their appropriate computer ports</li> </ul>	<ul style="list-style-type: none"> <li>- Chalk board</li> <li>- Overhead projector</li> <li>- Personal Computers</li> <li>- Computer peripherals</li> <li>- Charts</li> <li>- Still Images</li> <li>- Motion Images (videos)</li> </ul>	<ul style="list-style-type: none"> <li>- Computer studies Compiled Notes for Northern Province</li> <li>- ECDL Advanced Learning Software</li> <li>- Mr B. Mwanza Class Notes.</li> <li>- <a href="http://www.bbc.co.uk/bitesize/standard/computing/computer_systems">http://www.bbc.co.uk/bitesize/standard/computing/computer_systems</a></li> </ul>	<ul style="list-style-type: none"> <li>- Verbal Exposition</li> <li>- Recitation</li> <li>- Class discussion</li> <li>- Group discussion</li> <li>- Demonstrations</li> <li>- Presentations</li> <li>- Case study</li> <li>- Interviews</li> <li>- Field trip</li> </ul>	<ul style="list-style-type: none"> <li>- Exercises</li> <li>- Homework</li> <li>- Assignee</li> <li>- Recitation</li> </ul>
4		<p>INTRODUCTION TO COMPUTERS: Input process output operations</p> <ul style="list-style-type: none"> <li>- Speed of a CPU</li> <li>- Identify meaningful information as a result of processed input data by the computer</li> </ul>	<ul style="list-style-type: none"> <li>- Chalk board</li> <li>- Overhead projector</li> <li>- Personal Computers</li> <li>- Computer peripherals</li> <li>- Charts</li> <li>- Still Images</li> <li>- Motion Images (videos)</li> </ul>	<ul style="list-style-type: none"> <li>- Computer studies Compiled Notes for Northern Province</li> <li>- ECDL Advanced Learning Software</li> <li>- Mr B. Mwanza Class Notes.</li> <li>- <a href="http://www.bbc.co.uk/bitesize/standard/computing/computer_systems">http://www.bbc.co.uk/bitesize/standard/computing/computer_systems</a></li> </ul>	<ul style="list-style-type: none"> <li>- Verbal Exposition</li> <li>- Recitation</li> <li>- Class discussion</li> <li>- Group discussion</li> <li>- Demonstrations</li> <li>- Presentations</li> <li>- Case study</li> <li>- Interviews</li> <li>- Field trip</li> </ul>	<ul style="list-style-type: none"> <li>- Exercises</li> <li>- Homework</li> <li>- Assignment</li> <li>- Recitation</li> </ul>

		<ul style="list-style-type: none"> <li>- Appreciate that certain devices are both input as well as output</li> </ul>				
5		<p><b>BASIC OPERATIONS:</b> Unresponsive computer</p> <ul style="list-style-type: none"> <li>- Determine how to shut down an unresponsive computer</li> </ul> <p><b>BASIC OPERATIONS:</b> Security and Viruses</p> <ul style="list-style-type: none"> <li>- Determine why usernames and passwords are used on computers</li> <li>- Identify and apply safety procedures, such as antivirus scans and virus checks in maintaining data integrity</li> </ul>	<ul style="list-style-type: none"> <li>- Chalk board</li> <li>- Overhead projector</li> <li>- Personal Computers</li> <li>- Computer peripherals</li> <li>- Charts</li> <li>- Still Images</li> <li>- Motion Images (videos)</li> </ul>	<ul style="list-style-type: none"> <li>- Computer studies Compiled Notes for Northern Province</li> <li>- ECDL Advanced Learning Software</li> <li>- Mr B. Mwanza Class Notes.</li> <li>- <a href="http://www.bbc.co.uk/bitesize/standard/computing/computer">http://www.bbc.co.uk/bitesize/standard/computing/computer</a></li> </ul>	<ul style="list-style-type: none"> <li>- Verbal Exposition</li> <li>- Recitation</li> <li>- Class discussion</li> <li>- Group discussion</li> <li>- Demonstrations</li> <li>- Presentations</li> <li>- Case study</li> <li>- Interviews</li> <li>- Field trip</li> </ul>	<ul style="list-style-type: none"> <li>- Exercises</li> <li>- Homework</li> <li>- Assignment</li> <li>- Recitation</li> </ul>
6		Mid – Term Test	-	-	- Case Study	- Tests

7		<p><b>BASIC OPERATIONS:</b>  <b>Copyright</b></p> <ul style="list-style-type: none"> <li>- Know how to check the ID number for a software product</li> <li>- Define the terms freeware, shareware and end-user licence agreement</li> </ul> <p><b>BASIC OPERATIONS:</b>  <b>Storage media</b></p> <ul style="list-style-type: none"> <li>- Compare the relationship between different measures of storage media capacities</li> </ul>	<ul style="list-style-type: none"> <li>- Chalk board</li> <li>- Overhead projector</li> <li>- Personal Computers</li> <li>- Computer peripherals</li> <li>- Charts</li> <li>- Still Images</li> <li>- Motion Images (videos)</li> </ul>	<ul style="list-style-type: none"> <li>- Computer studies Compiled Notes for Northern Province</li> <li>- ECDL Advanced Learning Software</li> <li>- Mr B. Mwanza Class Notes.</li> <li>- <a href="http://www.bbc.co.uk/bitesize/standard/computing/computer">http://www.bbc.co.uk/bitesize/standard/computing/computer</a></li> </ul>	<ul style="list-style-type: none"> <li>- Verbal Exposition</li> <li>- Recitation</li> <li>- Class discussion</li> <li>- Group discussion</li> <li>- Demonstrations</li> <li>- Presentations</li> <li>- Case study</li> <li>- Interviews</li> <li>- Field trip</li> </ul>	<ul style="list-style-type: none"> <li>- Exercises</li> <li>- Homework</li> <li>- Assignment</li> <li>- Recitation</li> </ul>
8		<p><b>INFORMATION TECHNOLOGY IN EVERYDAY LIFE:</b>  <b>Household appliances</b></p> <ul style="list-style-type: none"> <li>- Infer, using examples, how information and communication networks create a global community</li> </ul>	<ul style="list-style-type: none"> <li>- Chalk board</li> <li>- Overhead projector</li> <li>- Personal Computers</li> <li>- Computer peripherals</li> <li>- Charts</li> <li>- Still Images</li> <li>- Motion Images (videos)</li> </ul>	<ul style="list-style-type: none"> <li>- Computer studies Compiled Notes for Northern Province</li> <li>- ECDL Advanced Learning Software</li> <li>- Mr B. Mwanza Class Notes.</li> <li>- <a href="http://www.bbc.co.uk/bitesize/standard/computing/computer">http://www.bbc.co.uk/bitesize/standard/computing/computer</a></li> </ul>	<ul style="list-style-type: none"> <li>- Verbal Exposition</li> <li>- Recitation</li> <li>- Class discussion</li> <li>- Group discussion</li> <li>- Demonstrations</li> <li>- Presentations</li> <li>- Case study</li> <li>- Interviews</li> <li>- Field trip</li> </ul>	<ul style="list-style-type: none"> <li>- Exercises</li> <li>- Homework</li> <li>- Assignment</li> <li>- Recitation</li> </ul>



		<ul style="list-style-type: none"><li>- Demonstrate an understanding of new and emerging communication systems</li><li>- Describe particular technologies being used for specific purposes in the home</li></ul> <p>INFORMATION TECHNOLOGY IN EVERYDAY LIFE: Computer based learning (CBL)</p> <ul style="list-style-type: none"><li>- Identify different types of CBL software</li><li>- Associate the use of computers to organise, retrieve and process data</li></ul>				
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9		<p><b>INFORMATION TECHNOLOGY IN EVERYDAY LIFE:</b> Computers in banking, ecommerce, Point of Sale, Magnetic and smart cards</p> <ul style="list-style-type: none"> <li>- Associate the use of computers to organise, retrieve and process data</li> <li>- Describe ecommerce and the process of purchasing goods and services online</li> <li>- List advantages and disadvantages of ecommerce</li> <li>- State common uses of computers in the supermarket</li> </ul>	<ul style="list-style-type: none"> <li>- Chalk board</li> <li>- Overhead projector</li> <li>- Personal Computers</li> <li>- Computer peripherals</li> <li>- Charts</li> <li>- Still Images</li> <li>- Motion Images (videos)</li> </ul>	<ul style="list-style-type: none"> <li>- Computer studies Compiled Notes for Northern Province</li> <li>- ECDL Advanced Learning Software</li> <li>- Mr B. Mwanza Class Notes.</li> <li>- <a href="http://www.bbc.co.uk/bitesize/standard/computing/computer">http://www.bbc.co.uk/bitesize/standard/computing/computer</a></li> </ul>	<ul style="list-style-type: none"> <li>- Verbal Exposition</li> <li>- Recitation</li> <li>- Class discussion</li> <li>- Group discussion</li> <li>- Demonstrations</li> <li>- Presentations</li> <li>- Case study</li> <li>- Interviews</li> <li>- Field trip</li> </ul>	<ul style="list-style-type: none"> <li>- Exercises</li> <li>- Homework</li> <li>- Assignment</li> <li>- Recitation</li> </ul>
10		<p><b>INFORMATION TECHNOLOGY IN</b></p>	<ul style="list-style-type: none"> <li>- Chalk board</li> </ul>	<ul style="list-style-type: none"> <li>- Computer studies Compiled Notes for Northern Province</li> <li>- ECDL Advanced Learning Software</li> </ul>	<ul style="list-style-type: none"> <li>- Verbal Exposition</li> </ul>	<ul style="list-style-type: none"> <li>- Exercises</li> <li>- Homework</li> </ul>

		<p><b>EVERYDAY LIFE:</b> Computers in banking, e-commerce, Point of Sale, Magnetic and smart cards</p> <ul style="list-style-type: none"> <li>- Determine the significance of using bar codes in the super market (Include: identifying products, statistics and keeping track of sold items)</li> <li>- Associate the use of PIN (personal identification number) as a security measure to initiate transaction using magnetic card</li> <li>- Describe the benefits of the trend towards cashless</li> </ul>	<ul style="list-style-type: none"> <li>- Overhead projector</li> <li>- Personal Computers</li> <li>- Computer peripherals</li> <li>- Charts</li> <li>- Still Images</li> <li>- Motion Images (videos)</li> </ul>	<ul style="list-style-type: none"> <li>- Mr B. Mwanza Class Notes.</li> <li>- <a href="http://www.bbc.co.uk/bitesize/standard/computing/computer">http://www.bbc.co.uk/bitesize/standard/computing/computer</a></li> </ul>	<ul style="list-style-type: none"> <li>- Recitation</li> <li>- Class discussion</li> <li>- Group discussion</li> <li>- Demonstrations</li> <li>- Presentations</li> <li>- Case study</li> <li>- Interviews</li> <li>- Field trip</li> </ul>	<ul style="list-style-type: none"> <li>- Assignment</li> <li>- Recitation</li> </ul>
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		electronic transaction				
11		<b>PRODUCTIVITY TOOLS (WORD PROCESSING):</b> Keyboard skills <ul style="list-style-type: none"> <li>- Exhibit mastery of the keyboard keys including function keys and touch typing</li> </ul>	<ul style="list-style-type: none"> <li>- Chalk board</li> <li>- Overhead projector</li> <li>- Personal Computers</li> <li>- Computer peripherals</li> <li>- Charts</li> <li>- Still Images</li> <li>- Motion Images (videos)</li> </ul>	<ul style="list-style-type: none"> <li>- Computer studies Compiled Notes for Northern Province</li> <li>- ECDL Advanced Learning Software</li> <li>- Mr B. Mwanza Class Notes.</li> <li>- <a href="http://www.bbc.co.uk/bitesize/standard/computing/computer">http://www.bbc.co.uk/bitesize/standard/computing/computer</a></li> </ul>	<ul style="list-style-type: none"> <li>- Verbal Exposition</li> <li>- Recitation</li> <li>- Class discussion</li> <li>- Group discussion</li> <li>- Demonstrations</li> <li>- Presentations</li> <li>- Case study</li> <li>- Interviews</li> <li>- Field trip</li> </ul>	<ul style="list-style-type: none"> <li>- Exercises</li> <li>- Homework</li> <li>- Assignment</li> <li>- Recitation</li> </ul>
12		End of Term Tests	-	-	- Case Study	- Tests
13		End of Term Tests	-	-	- Case Study	- Tests

## GRADE 8 COMPUTER STUDIES SCOPE AND SEQUENCES

TOPIC	CONTENT
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Introduction to Computer Studies	<ul style="list-style-type: none"> <li>- Parts of a computer</li> <li>- Input-process-output operations</li> </ul>
Basic Operations	<ul style="list-style-type: none"> <li>- Health and safety</li> <li>- Care for Computer Systems</li> <li>- Computers and peripherals</li> <li>- Security and Viruses</li> <li>- Types of user interfaces</li> </ul>
Generic Application Software	<p>Word Processor</p> <ul style="list-style-type: none"> <li>- Introduction to Windows</li> <li>- Key in and Edit Text</li> <li>- Manipulation and Formatting</li> <li>- Proof Reading</li> <li>- Print Preview and Printing</li> <li>- Saving Files</li> <li>- Drawing Simple Graphics</li> </ul>
	<p>Spreadsheet</p> <ul style="list-style-type: none"> <li>- Introduction to Spreadsheet</li> <li>- Entering and editing data</li> <li>- Adding Formula</li> <li>- Saving and Printing</li> </ul>
	<p>Publishing and Presentation</p> <ul style="list-style-type: none"> <li>- basics and Features</li> <li>- Pre-designed layouts or Templates</li> <li>- Fonts</li> <li>- Elementary Graphics</li> <li>- Colours and Fonts</li> <li>- Clip art/Re-designed graphic</li> </ul>
Networks and the Internet	<ul style="list-style-type: none"> <li>- Rationale of networking computers in different locations.</li> <li>- Difference between Wired and wireless networks</li> <li>- Local area network (LAN), and a Wide area network (WAN)</li> <li>- Uploading and downloading text, image, audio and video files</li> <li>- Searching the web for specific information.</li> </ul>

	<ul style="list-style-type: none"> <li>- Identifying web browsers as a tool to accessing web pages on the internet</li> <li>- Web browser and the Universal Resource Locator (URL)</li> <li>- Search engines</li> <li>- The email.</li> </ul>
Systems and Communications	<ul style="list-style-type: none"> <li>- Introduction to multimedia files</li> <li>- Graphics</li> <li>- Video and Audio</li> </ul>
Computer Application	<ul style="list-style-type: none"> <li>- Household, Entertainment and recreation appliances</li> <li>- Office Equipment</li> <li>- Industrial and Commercial Applications of computers</li> <li>- Computer based learning</li> </ul>
Social and Economic Implications of the use of Computers	<ul style="list-style-type: none"> <li>- Joblessness</li> <li>- Depression social media</li> <li>- System failures</li> <li>- Theft</li> <li>- Privacy</li> </ul>