

TERMLY SCHEME

WEEK	STAND	SUB - STRAND
1	Productivity Software	Introduction To Electric Spread Sheet
2	Productivity Software	Introduction To Electronic Spreadsheet
3	Productivity Software	Introduction To electronic Spreadsheet
4	Productivity Software	Introduction To electronic Spreadsheet
5	Communication Networks	Computer Networks
6	Communication Networks	Computer Networks
7	Communication Networks	Internet And Social Media
8	Communication Networks	Internet And Social Media

OF LEARNING

CONTENT STANDARDS	INDICATOR	RESOURCES
B7.2.3.1 Demonstrate how to use Spreadsheet	B7.2.3.1.1, B7.2.3.1.2	Computer, Video, pictures, practical, projector
B7.2.3.1 Demonstrate how to use Spreadsheet	B7.2.3.1.3, B7.2.3.1.4	Computer, practical
B7.2.3.2 Demonstrate how to format a work sheet	B7.2.3.2.1, B7.2.3.2.2 B7.2.3.2.3	Computer, practical pictures / videos Projector
B7.2.3.3 Demonstrate how to use Spreadsheet formula	B7.2.3.3.1	Computer, projector practical
B7.3.1.1 Identify the concept of Computer networking	B7.3.1.1.1, B7.3.1.1.2	Computer, Pictures Projector
B7.3.1.1 Identify the concept of Computer Networking for global Communication	B7.3.1.1.3, B7.3.1.1.4	Textbooks, Practical videos / pictures Projector
B7.3.2.1 Demonstrate the use of Networking and Electronic Mail	B7.3.2.1.1	Computer Picture / videos Projector
B7.3.2.1 Demonstrate the use of Social networking and Electronic Mail	B7.3.2.1.2	Computer Textbooks

TERMLY SCHEME

WEEK	STAND	SUB - STRAND
9	Communication Networks	Information Security
10	Communication Networks	Information Security
11	Communication Networks	Web Technologies
12	Communication Networks	Web Technologies
13	Revision	
14	Examination	
15	Vacation	

OF LEARNING

WEEK 5

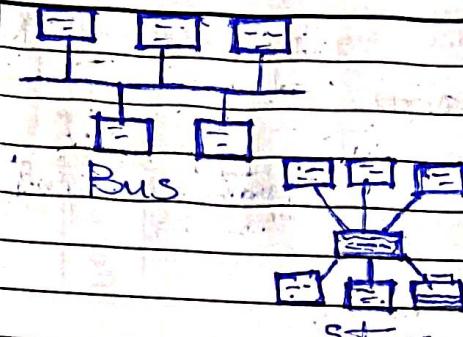
LESSON PLAN

SUBJECT: COMPUTING

CLASS: B.S. 7

WEEK ENDING: 07/02/2025		CLASS SIZE: 51											
Day	MONDAY	Date	27/01/2025	Period	3	LESSON	1 of 4						
Strand		Sub-strand											
COMMUNICATION NETWORKS		COMPUTER NETWORKS											
Indicator (code) B7.3.1.1		Content standard (code) B7.3.1											
Draw to illustrate features of the network topologies (Bus, Star, Ring, Mesh)		Identify the concept of Computer Networking for global communication.											
Performance indicator													
By the end of the lesson, learners can:													
1. Identify and describe at least two (2) key features of three different network topologies (Ring, Star and Bus)													
2. Create accurate diagrams to illustrate the structure and connections of each network topology.													
Core competencies		Key Words											
Ability to ascertain when information is needed and be able to identify, locate, evaluate and effectively use to solve a problem T.L.R(s):		hub, Switch, Cable, topologies.											
Computer, Projector Pictures of network topologies		Ref: Mantey F.H (2023) Computing Basic 7-9 Achievers Publications (P.B)											
DAY	Phase 1 : Starter (preparing the brain for learning): 5mins	Phase 2 : Main (new learning including assessment): 35mins	Phase 3: 10min Plenary / Reflections:										
MONDAY	Show One minute Video of people communicating using phones messaging apps	Engage learners to explore key hardware for setting up network systems such as (hub, Switch, Cable)	Summarize the whole lesson to the class										
		Show learners diagram of various setup of network topologies											

Brainstorm learners on the video to predict what the topic is about.



Use effective and answering to find out what have archive for the day.

Help Learners to understand how they are all connected to each other

NETWORK TOPOLOGIES

1. Star Topology: In this topology all devices are connected to a central hub/switch

Task learners to list the types of Computer Network

2. Bus Topology: All devices are connected to single but one cable

Take feedback from learners and bring the lesson to a close

3. Ring Topology: Each device is connected to two other devices forming a closed

PROJECTION

1. Explain the importance of network in our daily lives

4. Mesh Topology: Is a network setup where each computer and network device is interconnected with one another.

REMARKS

Lesson was successfully taught

ASSESSMENT

1. Define Computer Network

2. Explain the following types of network

Topologies and State two advantages and and two disadvantages

i) Star Topology

ii) Bus Topology

iii) Mesh Topology

WEEK 5

CLASS: B.S.7

SUBJECT: COMPUTING

CLASS SIZE: 51

Day	WEEK ENDING: 07/02/2025	Date	07/02/2025	Period	2	LESSON	2 of 4
	FRIDAY				Sub-strand		

Strand

COMMUNICATION NETWORKS

COMPUTER NETWORKS

Indicator (code) BT 3.1.1.2

Content standard (code) BT 3.1.1

Describe types of network (PAN) (LAN) (MAN) (WAN)

Identify the concept of Computer Networking for global communication

Performance indicator

By the end of the lesson learner can:

1. Define and differentiate between various types of networks, including (LAN, WAN and MAN).
2. Explain the characteristics and at least three (3) use cases each type of network.

Core competencies

Key Words

Ability to ascertain when information is needed and be able to identify, locate, evaluate, and effectively use it to solve a problem

Personal Area Network (PAN)
Local Area Network (LAN)
Metropolitan Area Network (MAN)
Wide Area Network (WAN)

T.L.R(s):

Ref:

Computer

Mantey E. H. (2023)

Pictures of the types of Network

Computing Basic 7-9

Archiviers Publications (14)

DAY	Phase 1: Starter (preparing the brain for learning): 5mins	Phase 2: Main (new learning including assessment): 35 mins	Phase 3: 10 mins Plenary / Reflections:
FRIDAY	Using questions and answers revise the previous lesson with learners	Brainstorm learners for the meaning of Network	We have learnt the types of network and the benefits and challenges of networking

Share performance indicators and introduce the lesson	wireless technology.	Environment
	Group learners and discuss the two forms of network	Use peer discussion and effective questioning to find out from learners what they have learnt during the lesson
	<ul style="list-style-type: none"> • Wired Network. Is a network that uses network cables or wires to connect the computers in the network. • Wireless Network. This doesn't use wires or cables to connect computers in a network. It uses wireless technologies such as GPRS, EDGE, WIFI, HSPA, HSPA+, Infrared and Bluetooth. 	Ask learners to mention the forms of network and give three examples each
		Take feedback from learners and summarize the lesson to a close.
	ASSESSMENT <ol style="list-style-type: none"> 1. What is network 2. Differentiate between wired and wireless network 	PROJECTION <ol style="list-style-type: none"> 1. Explain the following terms <ol style="list-style-type: none"> i) PAN ii) WLAN iii) WAM iv) LAN
		REMARKS <ol style="list-style-type: none"> Lesson was successfully taught

WEEK 6 LESSON PLAN

SUBJECT: COMPUTING

CLASS: B.S.7

Day	WEEK ENDING: 14/02/2025	Date	Period	CLASS SIZE: 51	LESSON 3 of 4		
	MONDAY	10/02/2025		Strand			
	COMMUNICATION NETWORKS	Sub-strand					
	COMPUTER NETWORKS						
	Indicator (code) B7.3.1.3	Content standard (code) B7.3.1.1					
	Discuss the entrepreneurial opportunities in networking computing devices.	Identify the concept of computer networking for global communications.					
	Performance indicator						
	By the end of the lesson, learners can:						
	1. Identify and describe at least two (2) benefits of networking in various environments. (Such as business, schools and homes.)						
	2. Analyze at least three (3) challenges associated with networking in different environments.						
	Core competencies	Key Words					
	Ability to ascertain when information is needed and be able to identify, locate, evaluate and effectively use it to solve a problem	Flexibility, Connectivity, Lack of Robustness, Health issues.					
	T.L.R(s):	Ref:					
	Computer Videos and Pictures of People Communicating	Mantey et al. (2023), Computing Basic 7-9, Achievers Publications (P) Ltd					
DAY	Phase 1: Starter (preparing the brain for learning): 5mins	Phase 2: Main (new learning including assessment): 35mins	Phase 3: 10 mins Plenary / Reflections:				
MONDAY	Use question and answers, revise the previous lesson with learners	Guide learners to discuss the benefits of networking in different environments (schools, business, health etc.)	We have learnt the benefits and challenges of networking in different environments				
		1. BENEFITS					
		1. Ease of accessibility. Modern computers are easy to explore.					

Display pictures or show one minute video of people communicating using phones, text messaging, video conferencing, etc.	So, even if you are a kid or a person new to technology	Use peer discussion and effective question to find out from learners what they have learnt.
Help learners understand they are all connected to each other	2. Flexibility : It means different people will be able to explore different things as per their requirements.	Take feedback from learners and summarize the lesson to a close
Share performance indicators and introduce the lesson	3. Connectivity : Computer network is to enable sharing of resources among its users.	PROJECTION
	C. CHALLENGES	1. State and Explain three (3) challenges of networking in different environments.
	1. Lack of Robustness : Computer networks rely on the main server, If the Central Server malfunctions or there is an issue in the Central Server, then the entire network will stop functioning.	
	2. Spread of Virus : It is high probability that if one of the computers is affected by the virus others too can get affected.	REMARKS Lesson was successfully thought
	3. Health Issues : Being addicted to gaming, movies can cause eye-strain and body pain.	
	ASSESSMENT	
	1. State and Explain three (3) benefits of networking in different environments.	

SUBJECT: COMPUT. I.M.C.I

WEEK ENDING: 14/02/2025

14/02/2025

Period

2

LESSON

4 of 4

Day

FRIDAY

Date

Strand

COMMUNICATION
NETWORKS

Sub-strand

COMPUTER NETWORKS

Indicator (code) B7.3.1.1.4

Content standard (code) B7.3.1.

Identify different environments where the various types of networks can be applied. I identify the concept of Computer networking for global communications.

Performance indicator

By the end of the lesson Learner can describe at least three (3) different environments where the various types of networks can be applied.

Core competencies

Key Words

Ability to ascertain when information is needed and be able to identify, locate, evaluate, effectively use it to solve a problem.

Marketing and Sales, manufacturing, financial services, Teleconferencing, Cable Television

T.L.R(s):

Ref: Mantey E. H (2023) Communication, Basic 7-9, Achievers Publications (p.150)

Computer Projector

DAY

Phase 1: Starter (preparing the brain for learning): 5mins

Phase 2: Main (new learning including assessment): 35mins

Phase 3: 10mins Plenary / Reflections:

FRIDAY Using questions and answers, revise the previous lesson with learners.

Guide learners to identify different environments where various types of networks can be applied.

We have learnt the different environments

• Marketing and Sales. Computer networks are widely used in both marketing sales firms. These are used by

where the various types of networks can be applied

<p>Share performance indicators and introduce the lesson.</p>	<p>marketing professionals to collect, exchange and analyze data relating to customer requirements and product development cycles.</p>	<p>Use peer discussion and effective questioning to find out from learners what they have learnt during the lesson.</p>
<p>Business (school) business</p>	<ul style="list-style-type: none"> • Manufacturing: Computer networks are used in several aspects of manufacturing including manufacturing process itself. 	<p>Take feedback from learners and summarize the lesson to a close.</p>
<p>Business (school) business</p>	<ul style="list-style-type: none"> • Financial Services: They are completely dependent on computer networks. 	<ul style="list-style-type: none"> • Identify four environments where the various types of networks can be applied.
<p>Business (school) business</p>	<ul style="list-style-type: none"> • Electronic Messaging (Email): Email is the most widely used network application. 	<p>REMARKS Lesson was successfully taught</p>
<p>Business (school) business</p>	<p>In groups ask learners to identify the business aspect of networking and how they can be turned into a lucrative business.</p>	<p>Have them present their findings to the whole class</p>

WEEK 7 LESSON PLAN

SUBJECT: COMPUTING

CLASS: B.S.7

	WEEK ENDING: 21/02/2025		CLASS SIZE: 51						
Day	MONDAY	Date 17/02/2025	Period 3	LESSON 1 of 2					
	Strand	Sub-strand							
	COMMUNICATION NETWORKS	INTERNET AND SOCIAL MEDIA							
	Indicator (code) B7.3.2.1		Content standard (code) B7.3.2.1						
	Identify the various types and uses of Social Media Sites such as those for Social Networking	Demonstrate the use of Social Networking and Electronic Mail							
	Performance indicator								
	By the end of the lesson learner can describe at least three (3) uses of Social Media sites.								
	Core competencies		Key Words						
	The ability to recognise when information is needed and to effectively find, evaluate, and use it to solve problems.		LinkedIn; Facebook; WhatsApp						
	T.L.R(s):								
	Computer Textbook Pictures and Videos								
DAY	Phase 1: Starter (preparing the brain for learning): 5 mins	Phase 2: Main (new learning including assessment): 35 mins	Ref: Mantey, E. H (2023) Computing Basics 7-9 Achievers Publications (P.153)	Phase 3: 10 mins Plenary / Reflections:					
MONDAY	Utilize a question and answers format to framework the previous lesson with learners.	Guide learners to illustrate the use of Social Networking Sites such as Facebook, LinkedIn, WhatsApp, Twitter, Snapchat, etc.	We have learnt the uses of Social Media Sites						
									
		Youtube LinkedIn Facebook Twitter WhatsApp							

Share performance indicators and introduces the lesson.	Facebook is a website which allow users, who sign-up for free profiles, to connect with friends, work with colleagues or people they don't know, online.	Use peer discussion and effective questioning to find out from learners what they have learnt during the lesson.
	Guide learners to illustrate the use of Social networking sites such as LinkedIn and WhatsApp.	- Take feedback from learners and summarize the lesson to a close.
	LinkedIn is a social network that focuses on professional networking and career development.	PROJECTION - Write four importance of Facebook and four importance of WhatsApp.
	IMPORTANCE 1. For Job Opportunities 2. To Showcase Skills 3. Connect with professionals	
	WhatsApp is a free download messenger App for Smart phones.	REMARKS Lesson was successfully taught
	IMPORTANCE - Instant Messaging - Voice and Video calls - File Sharing	
	ASSESSMENT	
	1. Write four Examples of Social Media Sites	✓

WEEK 7 LESSON PLAN

SUBJECT: COMPUTING CLASS: B.S.T

WEEK ENDING: 21/02/2025		CLASS SIZE: 51					
Day	Date	Period	LESSON	1 of 2			
Strand		Sub-strand					
COMMUNICATION NETWORKS		INTERNET AND SOCIAL MEDIA					
Indicator (code) B7.3.2.1.1		Content standard (code) B7.3.2.1					
Identify the various types and uses of social media sites such as those for Social Networking		Demonstrate the use of Social Networking and Electronic mail					
Performance indicator							
By the end of the lesson Learner can describe how microblogging platforms works.							
Core competencies			Key Words				
Competence to recognize information need, access and evaluate diverse source, and effectively utilize the information to address challenges.			Tumblr, Twitter				
T.L.R(s):			Ref:				
Computer Text books Pictures			Mastery E-It (2023) Computing Basic, 7-9 Archivers Publications (P.158)				
DAY	Phase 1: Starter (preparing the brain for learning): 5mins	Phase 2: Main (new learning including assessment): 35 mins	Phase 3: 10mins Plenary / Reflections:				
FRIDAY	Using questions and answers, revise the previous lesson with learners	Brainstorm learners to explain what microblogging is an online broadcast medium that exist as a specific form of blogging. Microblogging is a combination of instant messaging and content production	learnt how microblogging platforms work				

Share performance indicators and introduce the lesson	Use pictures, learners discuss some example of microblogging; Examples: Tumblr, Medium, Blogger, Instagram, Twitter, Pinterest, etc.	Use peer discussion and effective question to find out from learners what they have learnt during the lesson
	Demonstrate the use of microblogging platforms.	Take feedback from learners and summarize the lesson to - a close
	<p>Tumblr: Is a blogging and social media tool that allows users to publish a "tumblelog", or short blog posts.</p> <p>How is TUMBLR USED: Users sign-up for an account by providing an email address as well as creating a password, username and a URL for the page.</p>	<p>PROJECTION:</p> <p>Explain how tumblr and Twitter works.</p>
	<p>Twitter: Is a free social networking site where users broadcast short posts known as tweets.</p> <p>How TWITTER WORKS: The timeline reflects the user's preferences, but they may see retweets from people they follow and promoted tweets which are paid advertisements.</p>	<p>REMARKS: Lesson was successfully taught.</p> <p>✓</p>
	ASSESSMENT	
	1. State and Explain two(2) microblogging platforms.	

Vetted by: Abdo Kurni

Signature: 

Date: 21/02/2025

WEEK 8 LESSON PLAN

SUBJECT: COMPUTING

CLASS: B.S.1

<p>Share performance indicators and introduce the lesson.</p>	<p>Brainstorm Learners for the meaning of Email</p> <p>E-mail is a network communication system used to transmit messages from one networked computer another over the internet.</p>	<p>Use peer discussion or effective questioning to find out from learners what they have learnt during the lesson</p>
<p>Demonstrate the steps involved in logging into an Email account.</p> <p>How to SIGN IN/LOG INTO E-MAIL ACCOUNT</p>	<ol style="list-style-type: none"> 1. Open your e-mail service. 2. Type your Email Username. 3. Type your password. 4. Click on sign in or press Enter key to launch your email account. 	<p>Take feedback from learners and summarize the lesson to a close</p>
<p>Guide learners to describe some terminologies in relation to Email</p> <ul style="list-style-type: none"> • FROM • TO • CARBON COPY • BLIND CARBON COPY • SUBJECT 	<p>PROJECTION</p> <ul style="list-style-type: none"> - Describe how to compose and send email messages 	
<p>Guide learners to demonstrate the steps in creating and sending Email.</p>	<p>REMARKS</p> <p>Lesson was successfully taught.</p>	
<p>ASSESSMENT</p> <p>Explain the following terms.</p> <ul style="list-style-type: none"> • FROM • TO • CARBON COPY • BLIND CARBON COPY • SUBJECT 	<p>✓</p>	

WEEK 8

LESSON PLAN

SUBJECT: COMPUTING

CLASS: B-S.F

Day	WEEK ENDING: 28/02/2025	Date	28/02/2025	Period	2	CLASS SIZE: 51	LESSON	2 of 2
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Strand	Sub-strand
COMMUNICATION NETWORKS	INTERNET AND SOCIAL MEDIA

Indicator (code) B73.2.1.2	Content standard (code) B73.2.1
Demonstrate the use of the following features of Electronic mail: Attachment and Address book	Demonstrate the use of Social Networking and Electronic mail
By the end of the lesson, Learner can demonstrate how to receive and reply and forward Email.	Performance indicator

Core competencies	Key Words
The ability to recognise when Information is needed and able to locate, evaluate and effectively use to solve a problem.	Replies, Forwarding

T.L.R(s):	Ref:
Computer, Projector Pictures and videos - Demonstrating how to receive and reply and forward Email	Mantey G.H (2023) Computing Basic 7-9 Achievers Publications (P. 163)

DAY	Phase 1: Starter (preparing the brain for learning): 5mins	Phase 2: Main (new learning including assessment): 35 mins	Phase 3: Review / Plenary / Reflections:
FRIDAY	Using questions and answers to revise the previous lesson with learners.	Guide learners to demonstrate the steps in receiving Email To Read / access or check Your mail Messages • Log on to your Search Engine • Click on mail and wait for it to Open • Type your user name (IDS) and password in box provided	We have learnt to reply and forward Email

<p>Share performance indicators and introduce the lesson.</p>	<p>• Click sign in or press the enter key</p> <ul style="list-style-type: none"> • Go to your box by clicking <u>Inbox/Cherkmail</u> • Click on the message in your box that you want to read • If a message has one or more files attached to it a paper clip will also appear in this area. • Using Reading Pane • Any new, unread message appear in bold and have a closed envelop icon next to them. 	<p>Use peer discussion and effective questioning to find out from learners what they have learnt during the lesson</p>
		<p>Take feedback from learners and Summarize the lesson to a close</p>
<p>Guide learners to demonstrate replying and forwarding Email</p>	<p><u>REPLYING E-MAIL MESSAGES</u></p> <ul style="list-style-type: none"> • Open the Email • Click "Reply" or "Reply All" • Type your response • Click "Send". 	<p>PROJECTION</p> <p>1) Describe how to access and reply Email messages.</p>
	<p><u>FORWARD E-MAIL MESSAGES</u></p> <ul style="list-style-type: none"> • Open the Email • Click forward • Enter recipient Email Address • Click "Send". 	
<p>Have learners to demonstrate, giving reasons for Using From: To: cc: bcc: and Subject features when sending an email</p>		<p>✓</p>
	<p><u>ASSESSMENT</u></p> <p>1) Write the steps of Replying and Forwarding Email messages</p>	

WEEK ENDING: 07/03/2025

Day

MONDAY

Date

03/03/2025

Period

3

LESSON

1 OF 3

Strand

Sub-strand

COMMUNICATION
NETWORKS

INFORMATION SECURITY

Indicator (code) B7.3.3.1.1

Content standard (code) B7.3.3.1

Discuss the key principles
of information securityRecognise data threats
and means of protection

Performance indicator

By the end of the lesson learner can describe the key principles of information security.

1. At least three (3) key principles of information security

Core competencies

Key Words

The ability to recognize when information is needed and effectively find evaluate, and use it to solve a problem.

Confidentiality,
Integrity,
Availability.

T.L.R(s):

Ref:

Computer, Projector
Pictures and Videos describing the principles of information security

McIntyre E. H. (2023). Computing Basic 7-9. Achievers Publications (P) Ltd

DAY	Phase 1: Starter (preparing the brain for learning): 5 mins	Phase 2: Main (new learning including assessment): 35 mins	Phase 3: 10 mins Plenary / Reflections:
MONDAY	Using questions and answers to revise the previous lesson with learners	Brainstorm learners to explain the meaning of information security.	We have learnt the key principles of information security
		Information Security covers the tools and processes that organizations use to protect information	

Share performance indicator and introduce the lesson	Research in Pairs the key principles of Information Security. (e.g. Confidentiality, Integrity, and Availability).	Use peer discussion and effective questioning to find out from learners what they have learnt during the day.
	Group learners to discuss the three key principles of Information Security.	Take feedback from learners and summarize the lesson to a close.
	<ul style="list-style-type: none"> CONFIDENTIALITY: Measures are designed to prevent unauthorized disclosure of information. 	
	<ul style="list-style-type: none"> INTEGRITY Consistency includes protection against unauthorized changes (additions, deletions, alterations etc.) to data. 	PROJECTION <ul style="list-style-type: none"> Identify and explain the key principles of information security.
	<ul style="list-style-type: none"> AVAILABILITY Is the protection of a system's ability to make software, systems and data fully available when user need it. 	REMARKS <ul style="list-style-type: none"> Lesson was successfully taught.
	Guide learners to research and analyze scenarios involving Information Security.	
	ASSESSMENT <ol style="list-style-type: none"> What is Information Security. 	

WEEK 10 LESSON PLAN

SUBJECT: COMPUTING CLASS: B.S.T

Day	WEEK ENDING: 14/03/2025	Date	10/03/2025	Period	3	CLASS SIZE: 51	LESSON	2 OF 3
	Strand	Sub-strand						
	COMMUNICATION NETWORKS	INFORMATION SECURITY						

Indicator (code)	Content standard (code)
B7 3.3.1.2 Explore the legal issues regarding intellectual property rights.	B7 3.3.1 Recognise data threats and means of protection
Performance indicator By the end of the lesson learners can discuss legal issues regarding intellectual property rights. 1. At least three (3) legal issues regarding intellectual property.	

Core competencies	Key Words
Competence to recognize information need, access and evaluate diverse source, and effectively utilize the information to address challenges. T.L.R(s): Computer, Projector, Pictures and Videos	Trademark, Patent, Trade Secret, Copyright
Ref: Plantey G.H. (2023) Computing Basic for Achievers Publications (P.168)	

DAY	Phase 1: Starter (preparing the brain for learning): 5mins	Phase 2: Main (new learning including assessment): 35mins.	Phase 3: 10 mins Plenary / Reflections:
MONDAY	Using questions and answers to revise the previous lesson with learners.	Brainstorm Learners to explain the following terms.	We have learnt the legal issues regarding intellectual property Right.
		Intellectual Property (IP): Is the property that is as a result of the Creativity of the mind of a person.	Intellectual Property Right: Is the

Share performance indicators and introduce the lesson

exclusive right given to inventors on the production, sale, hiring etc. of the things they have invented.

Use peer discussion and effective questioning to find out from learners what they have learnt during the lesson

Guide learners to discuss the types of Intellectual Property.

- Trade mark
- Patent
- Trad Secrets
- Copyright

Take feedback from learners and summarize the lesson to a close.

Guide learners to differentiate between the various legal issues mentioned.

(eg. Copyright, Patent, Trademark, Piracy, Copyright Infringements)

PROTECTION

i) Differentiate between the various legal issues mentioned

ii) Copyright

iii) Patent

Copyright: Is the legal right given to inventors of original works.

Patent: Is an exclusive right given to inventors to manufacture, use or sell inventions.

REMARKS

Lesson was successfully taught

Piracy: Is the unauthorized copying and distribution of copyright materials

Guide learners to discuss the consequences associated with breaking these laws.

ASSESSMENT

1. State and explain two types of intellectual property.

SUBJECT: COMPUTING

CLASS: S.S.T.

WEEK ENDING: 14/03/2025

CLASS SIZE: 51

FRIDAY

Date

14/03/2025

Period

2

LESSON

373

Strand

Sub-strand

COMMUNICATION NETWORKS

INFORMATION SECURITY

Indicator (code) B7.3.3.1.3

Content standard (code) B7.3.3.1

Evaluate Information Security, forensic auditing and criminal laws against offenders.

Recognise data threats and means of protection

Performance indicator

By the end of the lesson learner can describe the Criminal Laws against offenders of information Security.

1. At least two Criminal Laws against offenders of information Security.

Core competencies

Key Words

Competence to recognize Information needs, access and evaluate diverse source and effectively utilize the information to address challenges.

T.L.R(s):

Data Breach, malware, Identity theft, Unauthorized access.

Computer, Projector
Pictures and Videos.

Ref:
Mantey F. H (2023)
Computing Basic 7-9
Achievers Publications (P.170)

DAY	Phase 1: Starter (preparing the brain for learning): 5mins	Phase 2: Main (new learning including assessment): 35 mins	Phase 3: 10 mins Plenary / Reflections:
FRIDAY	Using questions and answers, revise the previous lesson with learners	Engage learners to watch a video of how offenders of data security breach are identified.	We have learnt the Criminal Law against offenders of information Security

Share performance indicators and introduce the lesson.

Guide learners to discuss the laws protecting data and the applicable Sanctions for their breach.

Use peer discussion and effective questioning to find out from learners what they have learnt during the lesson.

Criminal Law Against Information Security Offenders

① Unauthorized access:

This is when someone breaks into a computer without permission.

② Identity theft:

This is when someone steals your personal information and pretend to be you.

③ Data Breach and Theft:

This involves stealing important information from Computers or Networks.

④ Phishing and Fraud:

This is tricking people into giving away their personal information through fake emails or websites.

⑤ Malware and Ransomware Distribution

This is when someone creates harmful Software to damage Computers.

Take feedback from learners and summarize the lesson to a close.

PROJECTION
Find a recent example of a data breach that

happened online or in your community.

What laws were broken, and what happened to the company or people involved.

REMARKS
Lesson couldn't be taught because whole school

participated in games and sports activities!

ASSESSMENT

- Identify and explain three Criminal Laws against offenders of information Security.

WEEK 11 LESSON PLAN

SUBJECT: COMPUTING CLASS: B.S.7

Day	WEEK ENDING: 21/03/2025	Date	Period	CLASS SIZE: 51	LESSON
	MONDAY	17/03/2025	3		3073

Strand	Sub-strand
COMMUNICATION NETWORKS	INFORMATION SECURITY

Indicator (code) B7.3.3.1	Content standard (code) B7.3.3.1
Evaluate Information security forensic auditing and Criminal law against offenders	Recognise data threats and means of protection

Performance indicator
By the end of the lesson Learner can describe the Criminal laws against offenders of information security 1. At least two (2) criminal laws against offenders of information security

Core competencies	Key Words
Competence to recognize information need, access and evaluate diverse source and effectively utilize the information to address challenges.	Data Breach, malware, Identity theft, Unauthorized access.

T.L.R.(s):	Ref:
Computer, Projector Pictures and Videos	Manley E.H (2023) Computing Basic 7-9 Achievers Publications (P. 170)

DAY	Phase 1: Starter (preparing the brain for learning): 5 mins	Phase 2: Main (new learning including assessment): 35 mins	Phase 3: 10 mins Plenary / Reflections:
MONDAY	Using questions and answers revise the previous lesson with learners.	Engage learners to watch a video of how offenders of data security breach are identified. Guide learners to discuss the laws protecting data and the applicable Sanctions for their breach.	We have learnt the Criminal law against offenders of information security.

Share performance indicators and introduce the lesson.	Criminal laws against information security offenders 1. Unauthorized access: this is when someone breaks into Computer without permission. 2. Identity theft: this is when someone steal your personal information and pretend to be you. 3. Data breach and theft: this involves stealing important information from Computer or Networks. 4. Phishing and Fraud: this is Tricking people into giving away their personal information through fake emails or websites. 5. Malware and Ransomware distribution: this is when someone creates harmful software to damage computers.	Use peer discussions and effective questioning to find out from learners what they have learnt during the lesson. Take feedback from learners and summarize the lesson to a close.
		PROJECTION - Find a recent example of a data breach that happened online or in your community - What laws were broken, and what happened to the company or people involved.
		REMARKS Lesson was successfully thought.
	ASSESSMENT • Identify and explain three Criminal laws against offenders of information security.	

Week 11

LESSON PLAN

SUBJECT: COMPUTING

CLASS: R.S.T

CLASS SIZE: 51

WEEK ENDING: 21/03/2025		Date	Period	2	LESSON	1 of 3
Day	FRIDAY					
Strand		Sub-strand				
COMMUNICATION NETWORKS		WEB TECHNOLOGIES				

Indicator (code) B7.B4.1.1

Content standard (code) B7.B4.1

Identify the importance of the web in learning [Virtual Learning Environment]

Demonstrate the use of a web browser

Performance indicator

By the end of the lesson Learner can

1. Identify at least three (3) importance of the web in learning.
2. Explain the meaning of Virtual learning environment.

Core competencies

Key Words

The ability to determine when information is necessary and to identify, locate, evaluate and effectively utilize it to solve a problem

Virtual Learning Environment (VLEs)

T.L.R(s):

Ref:

Computer Pictures and Videos

Mantey E.H (2023)
Computing Basic 7-9
Achiever's Publications (P-171)

DAY	Phase 1: Starter (preparing the brain for learning): 10mins	Phase 2: Main (new learning including assessment): 30mins	Phase 3: 10mins Plenary / Reflections:
FRIDAY	Using questions and answers, revise the previous lesson with learners	Brainstorm learners for the important of the internet. • What are some of the important of using the internet. • It provides career opportunities and job search platforms.	Use peer discussion and effective questioning to find out from learners what they have learnt during the lesson

In pairs, discuss. True or False: You can find information about everything on the internet.	The internet facilitate online education and learning through online courses and tutorials.	Take feedback from learners and summarize the lesson to a close.
Have learners present their findings to the class for further discussion.	The internet provides access to health care and medical information.	PROJECTION
- What type of information can we find on the internet.	It offers various forms of entertainment such as streaming services and online games.	- Identify three (3) advantages of VLEs.
- What do you use those information for?	It facilitates research, innovation, and progress.	- State three (3) disadvantages of Virtual Learning environments (VLEs)
Share performance indicators and introduce the lesson.	Their responses must include; for learning. In groups, have learners to discuss how we can use the internet to learn.	REMARKS Lesson was successfully thought.
	Brainstorm learners for the meaning of Virtual Learning Environment.	
	Virtual Learning Environment is a web-based platform for the digital aspects of courses of study, usually within educational institution.	
	ASSESSMENT	
	1. What is Virtual Learning environments.	
	2. Write three importance of using the internet.	

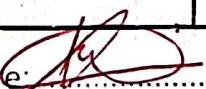
Day	WEEK ENDING: 28/03/2025	Date	24/03/2025	Period	3	LESSON	2 of 3			
	Strand	Sub-strand								
	COMMUNICATION NETWORKS	WEB TECHNOLOGIES								
	Indicator (code) B7.34.1.2				Content standard (code) B7.34.1					
	Explore the use of Open learning websites in the classroom.				Demonstrate the use of a Web Browser (Search engine).					
	Performance indicator									
	By the end of the lesson, learner can 1. Describe at least three uses of Open learning websites in the classroom. 2. Explain the meaning of Open learning websites in classroom.									
	Core competencies				Key Words					
	The Ability to recognize when information is needed and effectively find, evaluate, and use it to solve a problem.				Open learning, edX, Khan Academy, Coursera					
	T.L.R(s): Computer Pictures and Videos.				Ref: Mantey E.H, (2023). Computing Basic 7-9. Achievers Publications (P.178)					
DAY	Phase 1: Starter (preparing the brain for learning) 5 mins	Phase 2: Main (new learning including assessment): 35 mins			Phase 3: 10 mins Plenary / Reflections:					
MONDAY	Using questions and answers revise the previous lesson with learners.	In groups, let learners on Open learning websites. Learners present their findings to the class for discussion.			We have learnt the meaning and uses of Open learning websites in the classroom					
		• What is an Open Learning websites Open Learning website: is an Online platform that provides free and								

<ul style="list-style-type: none"> • What are Virtual Learning Environments 	<p>Open access to educational resources, courses, and learning materials.</p>	<p>Use peer discussion and effective questioning to find out from learners what they have learnt during the lesson.</p>
<ul style="list-style-type: none"> • What are the benefits of Virtual Learning Environments. 	<ul style="list-style-type: none"> • What are some examples of open learning websites. • Coursera • edX • Openstax • Wikipedia • Khan Academy 	<p>Take feedback from learners and summarize the lesson to a close.</p>
<p>Share performance indicators and introduce the lesson.</p>	<p>Guide Learners to explain the meaning of 'Open learning'. Open Learning' is an online learning that goes beyond content delivery to focus on Community Connectedness and learner engagement.</p>	<p><u>PROJECTION</u></p> <ul style="list-style-type: none"> • Identify and describe three (3) examples of Open learning websites.
	<p>Engage learners to come up with some examples of Open learning websites. e.g. edX, Khan Academy</p>	<p><u>REMARKS</u></p> <p>Lesson was successfully taught.</p>
	<p>Demonstrate the uses of open learning websites in the classroom e.g. edX</p>	
	<ul style="list-style-type: none"> • edX - it offers University-level courses in varieties of disciplines. • Khan Academy: It is a study website that offers in-depth subjects. 	
	<p><u>ASSESSMENT</u></p> <ul style="list-style-type: none"> • What are main learning websites? • Give five examples of Open learning websites 	
		<p>Vetted by: <u>Adelko Kum</u>..... Signature: <u>[Signature]</u>..... Date: <u>24-03-2025</u></p>

WEEK 12 LESSON PLAN

SUBJECT: COMPUTING CLASS: B.S.7

WEEK ENDING: 28/03/2025		CLASS SIZE: 51				
Day	Date	Period	LESSON	3 of 3		
Strand			Sub-strand			
COMMUNICATION NETWORKS			WEB TECHNOLOGIES			
Indicator (code) B7.3.4.1.3			Content standard (code) B7.3.4.1			
Demonstrate the techniques for evaluating web pages			Demonstrate the use of a Web Browser			
Performance indicator						
By the end of the lesson learner can demonstrate at least three (3) techniques for evaluating web pages.						
Core competencies						
Competence to recognise information need, access and evaluate diverse sources and effectively utilize the information to address challenges.			Authority, Accuracy, Credibility, Content, Current, Functionality.			
T.L.R(s):						
Computer Pictures			Ref:			
			Plantey E.H (2023) Computing Basic 7-9 Achievers Publications (P.182)			
DAY	Phase 1: Starter (preparing the brain for learning): 5mins	Phase 2: Main (new learning including assessment): 35 mins	Phase 3: 10 mins. Plenary / Reflections:			
FRIDAY	Prepare flash cards of the key words with the words on one side of the card and the meaning on the other side.	In groups, Learners research the Criteria in evaluating a web page.	Use peer discussion and effective questioning to find out from learners what they have learnt during the lesson			
		Have Learners to present their findings to the class for discussion.	How do you evaluate a web page			

<p>on the reverse of the flash card.</p> <p>Issue each learner with a flash card</p>	<ul style="list-style-type: none"> What are the ways of evaluating a webpage? What is the importance of evaluating a webpage? 	<p>Take feedback from learners and summarize the lesson.</p>
<p>Get all learners with the same key word to come to the front of the class and try to explain in their own words what they think it means and let the rest of the class choose the explanation that best fits the correct meaning.</p>	<p>Demonstrate with learners the technique for evaluating a webpage.</p>	<p>PROJECTION</p> <ul style="list-style-type: none"> What are the ways of evaluating a webpage? Write (3) three importance of evaluating a webpage
<ul style="list-style-type: none"> Did you enjoy the game? What words did you learn in the game? 	<ul style="list-style-type: none"> Authority: Who owns the content on the page. Accuracy: How true is the information? Current: Is the content up-to-date? When was the last time it was updated? Functionality: Does the site work well? 	<p>REMARKS</p> <p>Lesson was successfully thought</p>
<p>Share performance indicator and introduce the lesson.</p>	<p>In turns, learners state and explain a criteria for evaluating a webpage.</p>	<p>Through a whole discussion, guide learners to talk of importance of evaluating a webpage.</p>
	<p>ASSESSMENT</p> <p>How do you evaluate a webpage?</p>	<p>✓</p>
<p>Vetted by: <u>Abhijit Kurni</u></p>	<p>Signature: </p>	<p>Date: 24-03-2025</p>

WEEK 13 LESSON PLAN

SUBJECT: COMPUTING CLASS: B.S.7

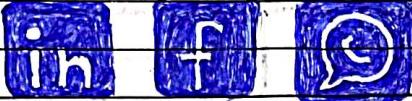
	WEEK ENDING: 04/11/2025		CLASS SIZE: 60
Day	THURSDAY	Date	04/10/2025
	Strand	Sub-strand	
	COMMUNICATION NETWORKS	INTERNET AND SOCIAL MEDIA	

Indicator (code)	B7.3.2.1	Content standard (code)	B7.3.2.1
	Identify the various types and uses of social media sites such as those for social networking	Demonstrate the use of social networking and Electronic Mail.	
Performance indicator			
	<p>By the end of the lesson learner can describe:</p> <ol style="list-style-type: none"> 1. The term: social media 2. At least three (3) uses of social media sites. 		

Core competencies	Key Words
The ability to recognize when information is needed and to effectively find, evaluate, and use it to solve problems.	LinkedIn, Facebook, WhatsApp

T.L.R.(s):	Ref:
Text book Pictures	Mantey, Z. H. (2023). Computing Basic Year 9. Achiever's Publications (P-153).

DAY	Phase 1: Starter (preparing the brain for learning): 5mins	Phase 2: Main (new learning including assessment): 35mins	Phase 3: 10 mins. Plenary / Reflections:
THURSDAY	Utilize a question and answers format to rework the previous lesson with learners.	Brainstorm Learners to explain the term social media	We have learnt the term Social media and the use of Social media sites.
		Social Media: refers to online platforms or tools that allow users to create, share, and interact with content, information, or others in a virtual environment	

<p>Share performance indicators and introduce the lesson.</p>	<p>Guide learners to illustrate the use of social networking sites such as LinkedIn, Facebook, WhatsApp etc.</p>	<p>Use peer discussion and effective questioning to find out from learners what they have learnt during the lesson.</p>
 <p>LinkedIn Facebook WhatsApp</p>	<p>Facebook is a website which allows users, who sign-up for free, profiles, to connect with friends, work with colleagues or people they don't know.</p>	<p>Take feedback from learners and summarize the lesson to a close.</p>
<p>Guide learners to illustrate the use of social networking sites such as LinkedIn and access its importance in WhatsApp.</p>	<p>Importance of Facebook and three (3) importance of WhatsApp.</p>	<p>PROJECTION</p> <ul style="list-style-type: none"> Write three (3)
<p>LinkedIn: Is a social network that focuses on professional networking and career development.</p> <p>IMPORTANCE</p> <ul style="list-style-type: none"> For Job Opportunities To Showcase Skills Connect with professionals 	<p>REMARKS</p> <p>Lesson was successfully thought.</p>	
<p>WhatsApp: Is a free download message app for smartphones, uses the internet to send messages, images, audio or video.</p> <p>IMPORTANCE</p> <ul style="list-style-type: none"> Instant messaging Voice and Video Calls File Sharing <p>ASSESSMENT</p> <ul style="list-style-type: none"> Write three (3) examples of social media sites. 	<p>checked DATE</p> <p>10-04-2025</p>	<p>Date:</p>