

SECOND TERM

WEEKLY LESSON NOTES

WEEK 9

Week Ending:	DAY:	Subject: Computing	
Duration: 60mins		Strand: Communication Networks	
Class: B9	Class Size:	Sub Strand: Computer Networks	
Content Standard: B9.3.1.1. Know the Concept of Computer Networking for Global Communications		Indicator: B9.3.1.1.1 Discuss types of e-commerce and the cashless society (Bitcoin, Transaction cards, Quick Response code (QR) payment system)	Lesson: 1 of 2
Performance Indicator: Learners can gain an understanding of online business, including the processes of buying, selling, and paying for products online.		Core Competencies: CC8.2: CP6.1	
New words	E-commerce, Online marketplace, Digital payment, Online security, Buying online		
Reference: Computing Curriculum Pg. 49			
Activities For Learning & Assessment		Resources	Progression
<p><i>Starter (5mins)</i></p> <p>Begin the lesson with a thought-provoking activity to introduce the concept of online business.</p> <p>Activity: "Online Shopping Experience"</p> <p>Show a short video or images representing an online shopping experience.</p> <p>Ask learners to share their thoughts on the advantages and disadvantages of shopping online compared to traditional methods.</p> <p>Discuss their perceptions and experiences with online transactions.</p> <p>Share performance indicators and introduce the lesson.</p> <p><i>Main (35mins)</i></p> <p>Define and discuss the concept of online business and e-commerce.</p> <p>Explain key terms such as e-commerce, online marketplace, digital payment, and online security.</p>		<p>Pictures and videos</p> <p>Computers with MS Excel installed</p>	<p>Gaining an understanding of online business, including the processes of buying, selling, and paying for products online.</p>

Highlight the growth and significance of online business in the modern world.

Provide examples of popular online marketplaces and e-commerce websites.

Discuss the process of searching for products, reading reviews, and making purchases online.

Guide learners in understanding the importance of secure transactions and protecting personal information.

Introduce the idea of individuals or businesses selling products or services online.

Discuss various platforms for selling products, such as online marketplaces and personal websites.

Highlight the advantages and challenges of starting an online business.

Assessment

1. How can choosing the right platform like Shopify or Instagram Shops benefit someone starting an online business?
2. Explain the difference between buying directly from a brand's website (DTC) and purchasing through a large marketplace like Amazon. What are the pros and cons of each approach for both buyers and sellers?
3. Describe two ways online reviews and research can help you make informed decisions before buying a product online.

Reflection (10mins)

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

Take feedback from learners and summarize the lesson.

Homework/Project Work/Community Engagement Suggestions

- What are some advantages and potential risks associated with using digital wallets like Apple Pay for online transactions compared to traditional methods like credit cards?
- Imagine you're selling handmade crafts online. Explain how you could utilize social media platforms for both marketing and selling your products.
- Briefly discuss one challenge a business might face when operating online and suggest one way to overcome it.

Cross-Curriculum Links/Cross-Cutting Issues
None
Potential Misconceptions/Student Learning Difficulties
None

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Duration: 60mins		Strand: Communication Networks	
Class: B9	Class Size:	Sub Strand: Computer Networks	
Content Standard: B9.3.1.1. Know the Concept of Computer Networking for Global Communications		Indicator: B9.3.1.1.1 Discuss types of e-commerce and the cashless society (Bitcoin, Transaction cards, Quick Response code (QR) payment system)	Lesson: 1 of 2
Performance Indicator: Learners can learn about the various forms of online banking systems, including mobile money, Bitcoin, MasterCard, Visa card, and QR code payment systems.		Core Competencies: CC8.2: CP6.1	
New words	MasterCard, Visa card, QR code payment, Digital currency, Financial inclusion		
Reference: Computing Curriculum Pg. 49			
Activities For Learning & Assessment		Resources	Progression
<p><i>Starter (5mins)</i></p> <p>Begin the lesson with an interactive activity to introduce the concept of online banking.</p> <p>Activity: "Financial Technology Scavenger Hunt"</p> <p>Provide a list of financial technology terms, including mobile money, Bitcoin, MasterCard, Visa card, and QR code payment systems.</p> <p>Ask learners to use their mobile devices or computers to research and find brief explanations for each term.</p> <p>Have learners share their findings with the class and discuss their understanding of each term.</p> <p>Share performance indicators and introduce the lesson.</p> <p><i>Main (35mins)</i></p> <p>Define and discuss the concept of online banking systems.</p> <p>Introduce key terms such as mobile money, Bitcoin, MasterCard, Visa card, and QR code payment systems.</p>		<p>Pictures and videos</p> <p>Computers with MS Excel installed</p>	<p>Learning about the various forms of online banking systems, including mobile money, Bitcoin, MasterCard, Visa card, and QR code payment systems.</p>

Explain the advantages and potential risks associated with each form of online banking.

Discuss how mobile money works, its benefits, and its impact on financial inclusion.

Explore examples of mobile money services available in various regions.

Introduce the concept of cryptocurrency and how Bitcoin operates.

Discuss the decentralized nature of Bitcoin and its potential as a digital currency.

Explain the functionality of credit and debit cards in online transactions.

Discuss the security measures in place for card-based transactions.

Introduce QR code payments and how they are becoming popular in various retail settings.

Discuss the convenience and security features of QR code payments.

Divide the class into small groups and provide each group with a case study related to online banking.

Instruct groups to discuss the benefits, challenges, and potential future developments of the online banking systems presented in their case studies.

Each group will share their insights with the class.

Assessment

1. How does using a traditional Mastercard or Visa card differ from making payments through a mobile money system like M-Pesa? What are the main advantages and disadvantages of each for everyday shopping?
2. Imagine you want to send money to a friend who lives in a different country. Which online banking system might be the best option and why? Explain any potential challenges you might encounter.
3. Briefly explain the concept of Bitcoin and compare its main strengths and weaknesses as a payment method compared to a credit card.

Reflection (10mins)

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

Take feedback from learners and summarize the lesson.		
Homework/Project Work/Community Engagement Suggestions		
<ul style="list-style-type: none"> • Why might a merchant choose to accept QR code payments like Alipay or WeChat Pay in their store? What might be some limitations of this system for customers? • Think about the ethical considerations surrounding the use of cryptocurrency. What concerns might arise, and how could we address them to ensure responsible use of these digital currencies? • With new technologies like digital wallets and central bank digital currencies emerging, how might the landscape of online banking systems evolve in the future? What potential benefits and challenges could these advancements bring? 		
Cross-Curriculum Links/Cross-Cutting Issues		
None		
Potential Misconceptions/Student Learning Difficulties		
None		