1. Encryption Best Practices Guide Template

This template can be printed or distributed digitally for students to fill out during the					
lesson.					
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Encryp	otion B	est Practices Guide			
Name	:				
Date: _.					
	Se	ection 1: What is Encryption?			
•	Defini	tion:			
•	Impor	tance:			
•	Real-\	World Examples:			
	0	Example 1:			
	0	Example 2:			
	_				

Section 2: Types of Encryption

•	Caesar Cipher:			
	0	How it Works:		
	0	Advantages:		
	0	Disadvantages:		
Atbash Cipher:				
	0	How it Works:		
	0	Advantages:		
	0	Disadvantages:		
Vigenère Cipher:				
	0	How it Works:		
	0	Advantages:		
	0	Disadvantages:		
Substitution Cipher:				
	0	How it Works:		

	0	Advantages:	
	0	Disadvantages:	
	Se	ection 3: Modern Encryption Methods	
•	AES ((Advanced Encryption Standard):	
	0	Explanation:	
	0	Uses:	
•	RSA ((Rivest-Shamir-Adleman):	
	0	Explanation:	
	0	Uses:	
	Se	ection 4: Best Practices for Encryption	
•	Practi	cal Advice:	
	0		
	0		
	0		
	0		

Se	ection 5: Case Study		
• Exam	Example:		
0	Event:		
0	What Happened:		
0	How Encryption Was Used (or Misused):		
0	Lessons Learned:		

2. Handouts on Encryption Methods

- Caesar Cipher: Description, strengths, and weaknesses.
- Atbash Cipher: Description, strengths, and weaknesses.
- Vigenère Cipher: Description, strengths, and weaknesses.
- Substitution Cipher: Description, strengths, and weaknesses.
- Modern Encryption Methods: Overview of AES and RSA.

3. Research Resources

Websites:

- Khan Academy: Search for encryption lessons to understand concepts.
- HowStuffWorks: Articles on encryption methods and their applications.
- Common Sense Education: Resources on online safety and encryption.

4. Discussion Prompts

- Prepare a list of discussion questions to facilitate group discussions:
 - "What encryption method do you think is the most effective for personal data protection?"
 - "How can businesses implement encryption to safeguard sensitive information?"