

Safety & Security

Media Type: Microsoft® PowerPoint® presentation

Duration: 53 Slides

Goal: To learn about different aspects of e-commerce and e-tailing security

Description: Computer security is a growing concern in today's society. This presentation will allow students to explore different aspects of e-commerce and e-tailing security. Students will discover past and present security issues within the technological world and learn to implement strategies to increase personal security. Lastly, the presentation looks at methods and organizations which will increase computer and data security for companies.

Objectives:

1. To discover e-commerce and e-tailing.
2. To discuss security issues within e-tailing.
3. To examine fundamental issues in e-commerce security.
4. To recommend methods to increase computer and data security for companies.



College & Career Readiness Anchor Standards for Reading

Reading Standards for Informational Text

Key Ideas & Details	Read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence when writing or speaking to support conclusions drawn from the text.	
	9-10.1	Cite strong and thorough textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.
Integration of Knowledge & Ideas	11-12.1	Cite strong and thorough textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text, including determining where the text leaves matters uncertain.
	Integrate and evaluate content presented in diverse formats and media, including visually and quantitatively, as well as in words.	
	9-10.7	Analyze various accounts of a subject told in different mediums, determining which details are emphasized in each account.
	11-12.7	Integrate and evaluate multiple sources of information presented in different media or formats as well as in words in order to address a question or solve a problem.

Safety & Security



College & Career Readiness Anchor Standards for Writing

Writing Standards	
Text Types & Purposes	Write informative/explanatory texts to examine and convey complex ideas and information clearly and accurately through the effective selection, organization, and analysis of content.
	<i>9-10.2</i> Write informative/explanatory texts to examine and convey complex ideas, concepts, and information clearly and accurately through the effective selection, organization, and analysis of content.
	<i>11-12.2</i> Write informative/explanatory texts to examine and convey complex ideas, concepts, and information clearly and accurately through the effective selection, organization, and analysis of content.
Research to Build & Present Knowledge	Conduct short as well as more sustained research projects based on focused questions, demonstrating understanding of the subject under investigation.
	Gather relevant information from multiple print and digital sources, assess the credibility and accuracy of each source, and integrate the information while avoiding plagiarism.
	<i>9-12.7</i> Conduct short as well as more sustained research projects to answer a question or solve a problem; narrow or broaden the inquiry when appropriate; synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation.
	<i>9-10.8</i> Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the usefulness of each source in answering the research question; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and following a standard format for citation.
	<i>11-12.8</i> Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the strengths and limitations of each source in terms of the task, purpose, and audience; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and overreliance on any one source and following a standard format for citation.

Information Technology Career Cluster (IT)

Cluster	Standard
	Recognize and analyze potential IT security threats to develop and maintain security requirements.
	Describe the use of computer forensics to prevent and solve information technology crimes and security breaches.
Information Support & Services Career Pathway (IT-SUP)	Apply appropriate troubleshooting techniques in resolving computer hardware, software and configuration problems.
	Employ system installation and maintenance skills to setup and maintain an information system.
	Employ system administration and control skills to monitor the performance of an information system.

Safety & Security



Lesson Plan

Class 1: Open class by discussing recent events in Internet security. Hand out the *Safety & Security Vocabulary Handout* and *Safety & Security Student Notes* which may be used as reference materials during the presentation. Show the *Introduction to E-Commerce & E-Tailing* and *Security Strategies* segments of the *Safety & Security* presentation. Follow each segment with its corresponding *Assessment*.



Slides
1-28

Class 2: Remind students to continue using the *Student Notes* and *Vocabulary Handout*. Show the *Technology for Security* segment of the presentation. Follow the segment with its *Assessment*. Introduce the Security Plan Project and have students get into groups to begin brainstorming. Inform students the school's technology specialist will be talking to the class the next class day. Instruct students to prepare two or three questions to ask the technology specialist.



Slides
29-43

Class 3: Have your school technology specialist come to speak to the class about security precautions taken by your school or district. Ask them to emphasize the steps taken to keep student data secure. Allow students to ask their questions. If time allows, have students continue working on the *Project*.

Class 4: Allow students the entire class period to complete the *Project*.

Class 5: Instruct students to complete the *Safety & Security Word Search* as review. Administer the *Safety & Security Final Assessment* and discuss answers as a class. Allow volunteers to share details of their *Security Plan Project*.



Slides
44-53



Lesson Links

Consumer Privacy Guide

- <http://www.consumerprivacyguide.org>

Federal Trade Commission

- <http://www.ftc.gov>



Career & Technical Student Organizations

BPA

- **Web Site Design Team**

FBLA

- **Web Site Development**
- **Introduction to Business**
- **Business Law**
- **E-Business**
- **Business Ethics**



Career Connections

- iCEV50533 Greg Bazar, Owner/Founder, Iron Fish Technologies
- iCEV50636 Philip Delaughter, IT Director, Golden Fulton & Farrell Architects
- iCEV50475 Luis Flores, IT Director, Global Genetics & Biologicals



Project

Security Plan

Directions:

Divide students into groups of two or three. Students will create a computer security plan for your school or school district. Allow students to research new products and procedures for data security and recommend steps for your school to take to increase security. Students should create a document including a chart or graph outlining the steps to complete the new security plan. Encourage your school's technology specialist to review the security plans and relay critiques of the plans to the students.