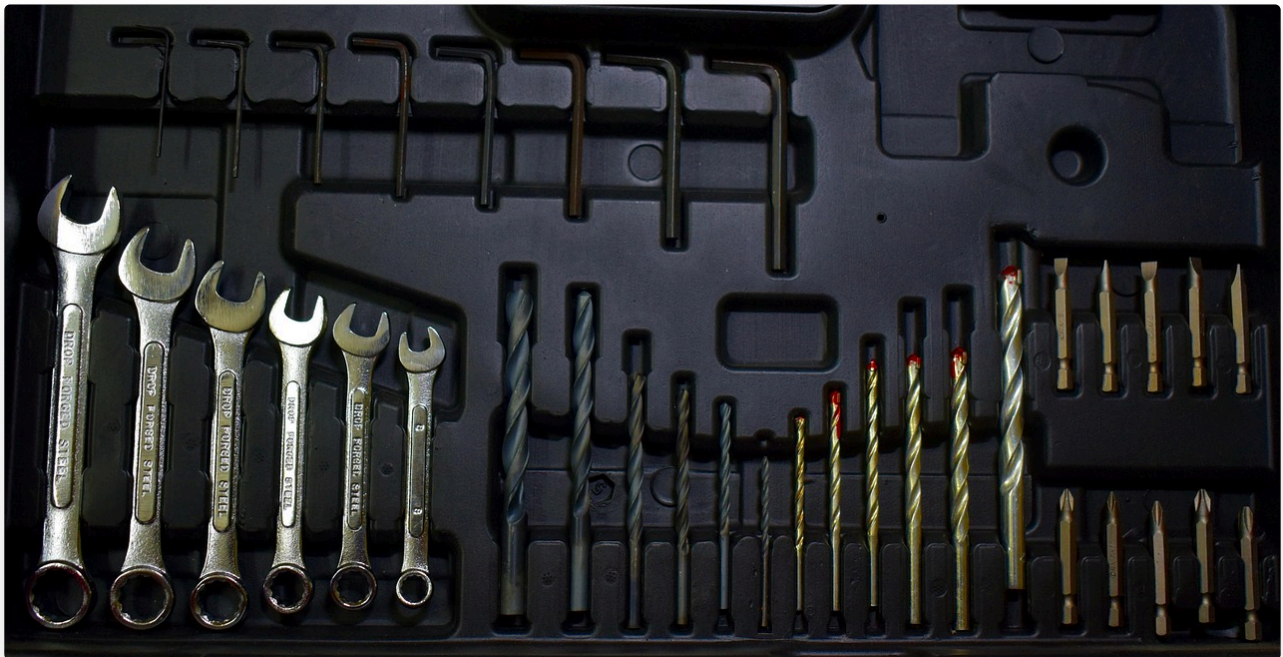


Group Project: Cyber Safety Toolkit

Textbook

Group Project: Cyber Safety Toolkit



Project Overview

The internet is full of opportunities—but also risks. In this project, your group will act as a **Cyber Safety Team** tasked with creating a **Cyber Safety Toolkit** to help kids your age learn how to stay safe online. Your toolkit will include smart strategies for protecting personal information, avoiding risky situations, and making good digital choices.

Project Goals

By the end of this project, your team will:

- ✓ Develop procedures to protect personal information online
- ✓ Identify safe (and unsafe) technology practices
- ✓ Model how to stay safe when strangers ask for personal information
- ✓ Break a complex problem into smaller, solvable parts
- ✓ Use digital tools to design, create, and present your work
- ✓ Cite evidence from trusted sources to back up your decisions
- ✓ Evaluate your solutions to make sure they are realistic and helpful

Your Task

Create a **Cyber Safety Toolkit** that teaches other students how to stay safe online. You will choose a real-world scenario (or create one) and break it down into smaller safety risks. Then, you'll design a set of tools to help others protect themselves in those situations.

Toolkit Requirements

Your group's toolkit must include:

1. Scenario Analysis

- Pick or create a realistic situation where someone your age might face an online risk.
- Examples:
 - Getting a strange message during an online game
 - Being asked to share personal info on a website
 - Clicking a link in a sketchy email
- Break the situation into smaller risks or questions: (What info is being shared? What could go wrong? What should they do?)

2. Cyber Safety Guidebook (Google Slides or Docs)

- Explain at least **3 procedures** for staying safe in this situation.
- Include explanations of how these procedures protect your data and privacy.
- Use at least **2 trustworthy sources** and **cite them properly**. (Example: "According to Common Sense Media...")

3. Digital Safety Poster

- Use a digital design tool (like Canva, Google Drawings, or Slides) to make a colorful poster with **tips for staying safe online**.
- Include things like:
 - What personal info to never share
 - Signs of unsafe websites or downloads
 - What to do if someone asks for personal information

4. Video PSA (Public Service Announcement) – Optional/Extra Credit

- Create a short (1–2 minute) video warning students about one online safety risk and how to avoid it.

Using Math to Strengthen Cyber Safety

When building your Cyber Safety Toolkit, you'll also use **math in real-world ways**. For example, if you're designing a guide about creating strong passwords, you can **calculate how many combinations** a password might have depending on its length and characters. If you're warning about suspicious emails or links, you might **analyze the percentage of people affected by phishing scams** using real data from cybersecurity organizations.

Use charts or visuals to show risks clearly—like how often certain age groups encounter online threats, or how much safer a password becomes when you add numbers or symbols. You can even **redesign your poster or guide** to be more effective based on what the data shows.

Math helps you understand risks, explain why your safety strategies work, and back up your choices with real evidence. That's the power of combining digital literacy and mathematical thinking!

Process Skills You'll Use

- **Decomposing a problem:** Break a risky situation into smaller safety issues and address each one.
- **Assessing solutions:** After you create your safety tools, ask: "Does this solution make sense? Would it actually help someone stay safe?"
- **Citing evidence:** Use trusted websites to support your recommendations and explain your reasoning clearly.
- **Using digital tools with fluency:** Choose the best digital tools to complete each part of the project. Type carefully, design clearly, and ask for feedback to improve.

Evaluation Checklist:

Requirement	Points
Clear and accurate scenario with identified risks	10 pts
Cyber Safety Guidebook with 3+ procedures and cited sources	20 pts
Eye-catching, informative Digital Poster	15 pts
Evidence of problem-solving and risk analysis	15 pts
Proper citations and use of digital tools	10 pts
Group teamwork and class presentation	10 pts
(Optional) PSA Video	+10 bonus

Helpful Resources to Get You Started:

- Common Sense Media
- StaySafeOnline.org
- National Cybersecurity Alliance

- Google's Be Internet Awesome

Reflection & Discussion:

Once all groups present, we'll have a class discussion about:

- What surprised you most about online safety?
- Which risks are most common for students your age?
- Which toolkit tip would you share with a younger sibling or friend?

Questions (1)

1. How many requirements are in the toolkit?

MULTIPLE CHOICE

Choose the correct answer:

- A. 2
- B. 4
- C. 6
- D. 8

Answer Keys & Solutions

Questions

1. How many requirements are in the toolkit?

MULTIPLE CHOICE

Correct Answer:

A. 2

✗ Incorrect

B. 4

✓ Correct

C. 6

✗ Incorrect

D. 8

✗ Incorrect