

# An Unplugged Lesson on Messages During War

TOPIC: FOUNDATIONAL PRINCIPLES IN CYBERSECURITY, ETHICS

GRADES: 6-8, 9-12

LESSON DURATION: 2-4 DAYS

SOFT SKILLS: COLLABORATION, CRITICAL THINKING, PROBLEM SOLVING, COMMUNICATION

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## Introduction:

- Steganography has been used for centuries. Steganography can be defined as hiding information in plain sight. It has been used in times of war and in times of peace to transfer information between parties. This lesson is designed to give students the opportunity to practice steganography in an unplugged activity.
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## Learning Outcomes:

- Students will complete an unplugged activity in history class to understand the definition and use of steganography.
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## Materials:

- [Wired Article by Lily Hay Newman: background reading](#)
  - [Visual examples of steganography from Network World \(IDG\)](#)
  - [Presentation on Steganography](#)
  - [Worksheet for the students](#)
  - [Teacher responses to worksheet](#)
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## Activities:

1. The teacher should explain that today students will learn about steganography. The teacher should use the background reading above to give some basic information on steganography and its usage through history.
2. Place students with a partner or in small groups. Hand each student a copy of the worksheet.
3. Students should choose one of the two scenarios to focus on.
4. All activities are contained on the student worksheet. Students should work together to analyze, problem solve, and develop solutions.
5. After all groups are done, allow them time to present creations and explain their process for creation. Allow other students to ask questions or give feedback.
6. Summarize the overview of steganography and explain its uses in today's world.

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