

Field Trip # 40

Developed by:

Subject:

Short description:

Educational Level:

Field trip type:

Educational

Outcomes:

Content:

Notes to instructor:

Steganography

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Ethical Hacking

This is an NSF-sponsored hands-on learning activity where students with some knowledge of computers and programming can gain deeper insight into software security and privacy.

11th – 12th Grade

Workshop

Students will be able to:

- Explain how secret writing came about
- Differentiate between steganography and cryptography
- Understand the advantages and disadvantages of using or detecting stego
- Create or read a text-based stego message
- Understand how information can be embedded in digital media
- Hide a message in an image using a stego tool

The topic focuses on basic types of steganography or secret writing.