

## Cyber Security Lesson Plan Idea

**Topic:** Cyber Ethics & Privacy

**Lesson Title:** My Social Media Reflection

**Grade Level:** 9th Grade

**Summary:** Students will be asked to analyze 1 facebook account and 1 instagram account and look for cyber-bullying, copyright infringement, the security level of the account and its level of professionalism. After this, students will analyze one of their own accounts (i.e. Facebook, Instagram, TikTok, etc.) Students will be asked to describe what they found, they will reflect on it, and they will describe any changes they made. Students accounts and work will not be collected by the teacher nor will other students have access to the information. Students must summarize their findings to a small group and any take-aways at the end of class or students could make 1-5 minute a reflection video.

**Learning Objectives/Outcomes:**

Students will be able to

- Analyze and reflect on their own social media account.
- Understand the importance of cyber security and cyber ethics.

**Learning Types:** Project / Presentaion

**Materials:** 1 fake Facebook and Instagram account to model with the students. (A pre-recorded video of the accounts could be made ahead of time in order to get around the internet block). Extra fake accounts printed out for students who do not have any social media, or if they cannot access their account. Students will need their cell phones to analyze their accounts. Project guided notes checklist to keep students on task and organized.

**Standards:**

9-12.IC.3 Debate issues of ethics related to real world computing technologies

9-12.CY.1 Determine the types of personal and organizational information and digital resources that an individual may have access to that needs to be protected

9-12.CY.2 Describe physical, digital, and behavioral safeguards that can be employed to protect the confidentiality, integrity, and accessibility of information

**Description of Activity:**

- **Opening**
  - Model and have an open discussion on analyzing 1 Facebook and 1 Instagram account with the students. Students could work in small groups at first and then share their findings to the whole group.
- **During**
  - Students analyze and reflect on their own account or a fake printed out account if they do not have social media or access to their account.
- **After**
  - Students summarize and present their findings

Name: \_\_\_\_\_

Mod: \_\_\_\_\_

**Directions:**

1. Analyze your own social media site. This could be Facebook, TikTok, Instagram, etc. Only you will be viewing your social media account and you do not have to share your social media with anyone in the classroom and not even the teacher. Protect your privacy. Keep your information secure!
  2. After analyzing your social media site. Reflect on what you found and any changes that you made to your account or any changes you will be making in the future.
  3. Present any findings or conclusions after going through this activity with your group members.
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**Dive into your account!**

- 1.) What social media site are you analyzing?
- 2.) Is your account private or public and who can see your information?

\*Reflect on what you found and any changes you made

- 3.) What is the strength of your password?

Go to: <https://howsecureismypassword.net/>

It would take a computer about \_\_\_\_\_ to crack your password.

\*Reflect on what you found and any changes you made

- 4.) What personal information do you have up on your site?

Examples

- Phone number
- Address
- Job
- Family members

\*Reflect on what you found and any changes you made

5.) Have you tagged your location on the site?

\*Reflect on what you found and any changes you made

6.) Can you find any cyber bullying on your account? How much did you find? This could have been done by you, a family member, or someone you are friends with. Dig deep!

\*Reflect on what you found and any changes you made

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### **Summary / Presentation**

What did you find after analyzing your social media account? What would you like to share with your peers? Use this space to organize your thoughts.