



Societal Tradeoffs and Privacy Lesson Plan

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Lesson Title: Societal Tradeoffs and Privacy
Grade Level: 9-12

Learning Objectives/Outcomes: Students will be able to assess personal and societal trade-offs related to computing technologies and privacy. (9-12.IC.4)

How will you facilitate learning? Facilitating classroom discussion, modeling investigation of tradeoffs, prompts for reflection questions, provide reference articles in LMS

Description of Activity:

- Brainstorm different use cases that involve technology
- Teacher-led example investigation of tradeoffs
- Small group investigation
- Class presentations

Summary: Students identify tradeoffs between societal benefits and privacy tradeoffs for multiple use cases

Learning Types: Small group project with whole class presentation

Materials List: Internet connection, computing device, presentation software, web camera and microphone

Accommodations: Word bank, extra time to complete, simplified verbal instructions, multiple submission formats (video, presentation, written paper) allowed

- Wrap-up and summary
- Write in learning journal for reflection

Topics

- Student e-mail mining by Google
- Coronavirus contact tracking and tracing
- In-store location tracking
- Stingray use by police
- Teachers fired for social media posts
- Privacy tradeoffs of Chromebooks in schools
- Data mining and location tracking by Uber/Lyft
- Other topics from students

Privacy Analysis Template

- **Summary of Use Case:** How do people use this technology to do something useful?
- **List of benefits:**
- **List of drawbacks or possible harm:**

Privacy Tradeoffs Template

- **Tradeoffs:** Do the benefits of this technology to society outweigh the privacy impact?
- What should be done to address this situation (if anything)?

Google E-mail Mining

- <https://www.edweek.org/ew/articles/2014/03/13/26google.h33.html>
- <https://www.blog.google/outreach-initiatives/education/protecting-teacher-and-student-privacy/>
- <https://www.studentnewsdaily.com/daily-news-article/google-accused-of-spying-on-students-in-ftc-privacy-complaint/>