

Jobs in Tech

TOPIC: CAREER AWARENESS

GRADES: 6-8

LESSON DURATION: TEACHER DISCRETION

SOFT SKILLS: COLLABORATION, COMMUNICATION, CRITICAL THINKING, RESEARCH

Learning Outcomes:

- Students will think critically concerning career options and answer the question: what happens if no one does that job?

Activities:

- Option #1
 1. In technology class, students will be introduced to cybersecurity as one of many technology career fields.
 2. The teacher may choose to incorporate cybersecurity into an existing career exploration activity (guest speakers, group research project, individual research project, etc.).
 3. The teacher may also consider the use of the information available at <https://www.nsa.gov/cyber/> (Pending availability of the Website in the Future)
 4. This website allows students the chance to interactively explore one of several careers available at the NSA.
 5. This online activity can be used with an entire class. It is easy to navigate and explore. Teachers must register and can then decide to utilize the resource as best fit. It could also be used just by students interested in a possible career in technology and/or cyber.
- Option #2:
 6. Students should be assigned to a small group. Each group is assigned one of the careers below.
 7. The students then must work collaboratively to create a presentation answering the questions (or similar questions): What happens to society if no one does this job? Is it possible that something could replace the people that do this job? How long has the job been in existence? What spawned the need for this career? What are the qualifications needed for the job? What will the job entail in 10 years? Will this job still exist or will machines replace humans?
 8. The teacher can design the rubric and presentation standards as needed for the class.
 9. Allow students plenty of time to work and prompt them to think holistically.
 10. After the presentations or during, the teacher may choose to find someone in the community to either sit through the presentation or do a short follow-up talk of their own. That person can give insight into how their job has changed over a span of time and also discuss ways that they foresee it changing. The individual could give advice on the skill set needed to be successful and be available to answer any student questions.
 - *MetroNet/Comcast IT person*

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- *Police*
- *Automobile mechanic*
- *Bankers*
- *Digital forensics for the prosecutor's office*
- *Teachers*
- *Doctor*
- *Techie*
- *Chief Information Security Officer for the State of Indiana*
- *SIA quality control*
- *Waiters-Waitresses*
- *Mailman/woman*
- *Air traffic controller*
- *Train engineer*
- *School bus driver*
- *Information Security Analyst for a bank*

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