

Technology Careers: Classroom Lesson Plan

Lesson Topic:

Exploring Careers in Technology

Lesson Objective:

Students will be able to list careers in the field of technology and reasons to consider one of these technology careers.

Materials:

- Books, magazines, and/or internet capable devices
- Projector or other method to watch the movie

Advanced Preparation:

- [Preview the video](#) before sharing it with your students [1:33].
- Gather books, magazines, and/or secure internet capable devices.

Warm-up Activity:

1. Talk with students about what comes to mind when they hear the word technology.
2. Ask students to research careers in technology using books, magazines, and/or the internet.
3. Have students compile a list of technology-related jobs, complete with job descriptions and reasonable salary expectations.

View the Video: "Technology Careers"

1. Tell students they will be watching the video titled, "Technology Careers".
2. Explain that the video presents role models talking about why girls should consider a career in technology.
3. Tell students that as they view the video, they should listen for reasons the role models believe girls should consider technology as a career. Then, view the video together.
4. View the video again; this time, invite students to formulate questions or comments about the ideas discussed in the video and to be prepared to discuss these after viewing the video.

Video Follow-up:

1. Ask students to offer their questions, comments, reactions and responses to the video.
2. Invite students to discuss specific things they learned about technology careers featured in the video and to reflect on their observations (e.g., "I didn't know that technology careers were so high-paying. It would be great to be paid well for doing an interesting job.")
3. Have students work together to note in writing which technology jobs, from their earlier research or from the video, seem appealing and why.
4. Have students discuss the pros and cons of preparing for a career in technology. Use this discussion as an opportunity to dispel any fears associated with learning the necessary skills to succeed with a career in technology.



Extension Activities:

1. Use the "Related Questions to Explore" as discussion springboards or writing prompts to help students further explore careers in technology.
2. Consider having a technology professional meet with your students in person or via text, voice, or video so they can respond to comments and/or answer questions in real time.

Related Questions to Explore:

- Why might some young women not consider a career in technology? According to the information presented in the video, are those concerns true?
- Many of the technology experts in the video mentioned that careers in technology involve professional positions that pay well. Should earnings be a consideration in what career you prepare for? Why or why not?
- Do you have to be a genius to prepare for a career in technology? How do you know?
- Is it possible for a career in technology to include interests you may have in other areas? Explain your answer.
- What are some ways the career women in the video may have prepared for their careers in technology?
- Besides exploring the Career Girls website, what are some other ways you can learn more about career possibilities in technology?



Ideas for Future Lessons/Activities Related to Technology Careers:

1. What Do Women with Technology Careers Do? Exploring Career Paths in Technology
2. Practice Having a Technology Career: Solving Real-Life Technology Problems
3. Technology in the News: What Are the Newest Technology Products or Processes?
4. Technology Over Time: From the Wheel to Super Computers
5. Technology Products Are All Around Us: Listing Technology Products We Use on a Daily Basis
6. Literature-Based Learning: Exploring Biographies and Memoirs of Famous Technology Pioneers
7. What Do I Already Know? Cell Phones, Computers, and Common Technology Devices