Career IN STEM

CAREERS IN COMPUTER SCIENCE WEBQUEST

Webquest: Careers in Computer Science

Directions: Use the weblinks to find the answers to the following questions. Write in your responses. ****Make sure you click on** *File->Make a copy.*

1. **What is computer science?** (watch this video: https://youtu.be/-xFJM3QQ3TE)

2. **What is one thing in your daily life that relies on computer science (NOT a phone or computer)? Explain what your object is and how it uses computer science (you may need to Google it!).**

3. **Read this article. List 5 reasons why computer science is important and summarize each IN YOUR OWN WORDS.**

Reason	Summary

BONUS: name and explain one other reason that is not on this list.

4. Name two colleges/universities in our state that offer a Bachelor's degree in computer science:
    a.

    b.

5. Visit https://www.careerinstem.com/product/robotics-technician/ to answer the following:

Career	Summary of what they do	Salary	Education Needed
Robotics Technician			

On your own (try not to google it!): Name one way robots are used in your daily life:

6. Visit https://www.careerinstem.com/product/information-technology-specialist/ to answer the following:

Career	Summary of what they do	Salary	Education Needed
Information Technology Specialist			

On your own: Think back to the classic telephone game you may have played as a kid, with cups and string (watch a video here of kids playing if you never have). How could this be a model of computer networks?

7. **Visit https://www.careerinstem.com/product/electrical-engineer/ to answer the following:**

Career	Summary of what they do	Salary	Education Needed
Electrical Engineer			

On your own: Follow the link in the 'Try It' section. Choose a project and insert the link. Explain the project you chose, and what you did with coding.

8. **Visit https://www.careerinstem.com/product/drone-pilot/ to answer the following:**

Career	Summary of what they do	Salary	Education Needed
Drone Pilot			

9. Visit https://www.careerinstem.com/product/cyber-security-analyst/
to answer the following:

Career	Summary of what they do	Salary	Education Needed
Cyber Security Analyst			

On your own: What is a recent cyber attack that you have heard about in the news? What did they do? Why is it important to prevent hackers?

10. Visit https://www.careerinstem.com/product/computer-engineer/
to answer the following:

Career	Summary of what they do	Salary	Education Needed
Computer Hardware Engineer			

10. Which career from the questions above would you be most interested in? Why?

11. Which career from the questions above would you be least interested in? Why?

12. Do computer science jobs pay higher than other jobs? Why or Why Not? Use https://www.careerinstem.com/salary-education/ to help.

Finished early?
   a. Play some of the games (in the Try It! Sections of any career page)
   b. Explore more computer science careers