

Hello 5<sup>th</sup> grade students and parents,

I am updating the project section of the 5<sup>th</sup> grade technology. The biography project was worked on at school and was saved on the school's local network, what that means is that the biographies are not accessible from home. Therefore, I am not going to have these due until (hopefully) we get back to school. A few students did choose to create a new biography at home and send it to me. That is fine but I am not making it mandatory since about ½ of the students had already completed their projects and their notes are also at school.

#### New Project

I have added a project that can be done at home. It is considered a virtual field trip. I chose this because you will hopefully be going to Enterprise Village which is on careers. This video shows several tech-based careers that are fun to learn about. There are a couple of pages as part of this document that are for you to fill out. You can either print them out and send to me as a picture or just type out the answers to the questions on a new Word document and then email it to me.

Use the following link to go to the webpage for this project.

<https://techfortomorrow.com/virtual-field-trip/>

Worksheet 1.

Step 1: Brainstorm. Spend a couple minutes quickly brainstorming different activities that you love to do or subjects you are passionate about. For instance: Do you love video games? Are you an expert chocolate chip cookie maker? Create a list!

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Step 2: Focus. Review your list and choose the one activity or subject that you are most excited about. Ask yourself: What careers may involve this activity or subject? Jot your ideas below. Then grab a device to complete some research. Type “career related to \_\_\_\_\_” in your Internet search engine. Once you review your search results, record additional career opportunities that you find interesting.

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Step 3: Describe. Finally, apply what you have brainstormed and researched as you describe your dream job. It may be a job that already exists or one that you design! Be creative as you fill in this job description. Job Title: \_\_\_\_\_

Skills Needed: What skills would help you do well in this job?

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Job Responsibilities: What exactly would you be responsible for doing in this position?

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Work Environment: Where would you work and what would this workplace be like?

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Experience or Education Required: What should you learn or know before starting this career?

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Worksheet 2.

Directions: You recently learned about several ways that robots are helping humanity: They build important products, explore Mars, assist the military, improve healthcare, and more. Follow the steps below as you consider: What other problem(s) could robots solve to help make the world a better place?

Step 1: What problems exist in today's world? As you brainstorm, jot a list below—no problem is too small or too large to include! \_\_\_\_\_

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Step 2: Communicate: Review the problems that you brainstormed and select one problem that you will focus on. Be sure to choose a problem that, if solved, could make the world a better place. State this problem from the list above. Discuss this with any family members that are around or chat with a friend on your phone. What did you conclude with your discussion? Which problem are you focusing on and why? \_\_\_\_\_

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Step 3: Critical Thinking: Why is this a problem? What is not working? What needs to be solved? Discuss these questions and record your responses below. \_\_\_\_\_

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Step 4: Creativity: How could a robot(s) be used to solve or help solve this problem? Describe what the robot could be programmed to do and how this would help solve the problem. Think carefully about how the robot could impact people's lives and/or the environment. \_\_\_\_\_

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Conclusion: Go back to the website and watch some of the other tech videos. Which one did you like or learn the most from? Is the tech field something that you might be interested in for your future? Why or why not? \_\_\_\_\_

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