Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_

P-TECH Pathways Project Ms. Stephens

Networking: type in complete sentences. Remember, for this project we are focusing on IT networking.

1. What is networking?
   1. Describe its various components
2. Give a student friendly definition of networking.
3. Why does networking matter?
4. Describe the OSI networking model.
5. Describe network protocols and components.
6. What is “ethernet”?
7. Describe the networking career path and varying options of cyber security.
8. Describe the different types of education you need/or should have to work in networking.
9. What jobs are available in networking right now?
10. Identify network endpoints. What is NIC?
11. Describe how to set up and secure a wireless network.
12. Describe a few networking strategies to consider. (Think products, procedures, viruses, security, rogue AP’s and wireless threats, bandwidth…)
13. How is networking related to business?
14. Find an article related to networking and business. Paste the hyperlink below.
15. Summarize the article and the importance of networking within the article.
16. What are three things you learned from the article?
17. What problems do you foresee for the future of networking? Describe at least three problems.
18. Click on this [link](http://www.bradreese.com/dell-networking-for-dummies.pdf). Scroll down to the different Case Studies (A-E). Pick one and read it.
19. Describe the case study, the problem, the solution and anything else you learned as part of the study.
    1. Case Study Name:
    2. The problem
    3. The solution
    4. What I learned
20. Your next step is to take all of this information and put it into a presentation. You may use PowerPoint, Prezi, or any other presentation device. Include all of the above information in your presentation – you are the expert on this career pathway. Presentations will be given in class on Friday, June 15th. (You will not have class time to work next Monday or Tuesday, and only a partial class on Wednesday.)