DESIGN THINKING & TECHNOLOGY SOLUTIONS

Student Activity Sheet

The Design Thinking Process:



Empathize: Work to understand the needs and challenges of others that you want to address using technology

1. What are some problems that could be solved with technology? Write a few of them below.
2. For the problems you listed above, draw at least one sketch that shows how technology could help meet the needs of the people you want to help. Don’t worry too much about how your sketches look. The important thing is to capture your ideas as they come to mind.

**Define: Describe the problem that you want to solve using technology.**

1. Choose one problem from #1 that you want to focus on. Circle or highlight the problem you chose.   
    \*make sure that the problem you choose has a solution that involves technology in some way!
2. Describe the problem that you want to solve with technology below. Include a description of how technology might help to solve the problem.   
     
     
     
     
     
     
     
     
   **Ideate: Brainstorm solutions & select one to try.**
3. Take turns sharing your problem and your ideas about how to use technology to help create a solution with your group. Be a good listener while each person in your group is sharing.
4. After each person has had a chance to share, ask questions to better understand their ideas, such as:
   1. How are the technologies used?
   2. What are the needs that you hope to address with the solution?
   3. How does your idea of using technology help solve their problem?
5. As a team, choose one of the ideas to move forward with.
6. Discuss ways to improve or build upon the solution with your group. Write some notes from your group discussion below.