

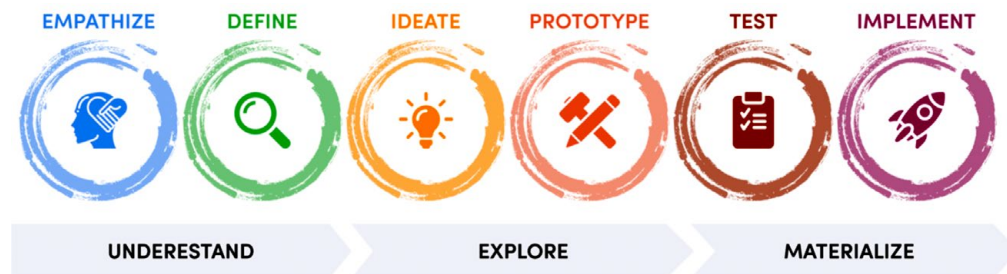
Prosthetics Engineering Design Challenge

How might the Engineering Design process be used to create a prototype to help someone with a limb difference button their shirt?

Materials

- Cardboard, plastic, construction paper, other materials provided to make a prototype
- Scissors
- Glue/tape

Procedure



1. Follow the steps below to address the challenge:
 - a. **Empathize and Define:** (Background for understanding the basis of the problem. Determine the constraints to develop a solution. Identify the goal.)
 - b. **Ideate:** (Share ideas. Talk about how to use available materials.)
 - c. **Prototype:** (Material form, conceptual idea, or digital product)
 - d. **Test:** (Try out the solution. How does it work? Improvements that need to be made.)
 - e. **Implement:** (Community/industry partners evaluate)