**The Design Process - Lesson 3**

Name(s)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  | **Activity Guide - User Centered Design (Define & Prepare)** |  |
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# Overview

Designing a product requires you to think about the needs of your users, even if those needs are very different from your own. In this activity you will be designing a product from the ground up for the specific needs of a user.

The product you will be designing is a piece of **smart clothing**. For this activity consider smart clothing to be any piece of clothing that also integrates computing technology. It might have sensors that record data, change colors or display information, or even connect to the internet. Push the boundaries of what’s possible. So long as your design **meets the needs of your user** it is appropriate for today’s activity.

**Define**

## Brainstorm User Groups

In the space below brainstorm as many different kinds of people as you can who might benefit from smart clothing. These should be one or two word phrases that describe large groups of people.

## Categorize Users

Create scraps of paper for each of your users. As a group or as a class **create categories of users** by grouping together similar types of users.

## Choose Specific User

Choose a specific category of user to design for and write it here: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## Brainstorm Needs

In the space below brainstorm the **needs, interests, and concerns** of your user.

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## Categorize Needs

Create scraps of paper for each of your user’s needs, interests, and concerns. As a group or as a class **create categories of needs** by grouping together similar needs.

## Choose Specific Need

Write the specific need your group selected: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Prepare

## Brainstorm Solutions

In the space below brainstorm ways **smart clothing** could be used to help address the need your group chose.

## Discuss Pros and Cons

With your group discuss the pros and cons of the ideas you brainstormed. In each case keep in mind **the specific need of your user**.

## Choose Specific Solution

Write the specific solution your group will focus on: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_