Lesson 9: User Centered Design - Activity Guide

Name…………………………………………………..   **Date……………………………...**

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 Users

In the space below brainstorm as many different kinds of people as you can who might benefit from smart clothing

Brainstorming and notes:

Categorise Users

Now create post it notes for each of your users. **As a group or as a class create categories of users by grouping together similar types of users. Feel free to use the space below to jot some notes down.**

Choose Specific User

Next 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.

Brainstorming and notes:

Categorise Needs

Create scraps of paper for each of your users needs, interests, and concerns. As a group or as a class create categories of needs by grouping together similar needs. **Feel free to use the space below to jot some notes down.**

Choose Specific Need

Write the specific need your group selected:

_____

Prepare

Brainstorm solutions

In the space below brianstorm ways smart clothing could be used to help address the need your group choose

Brainstorming and notes:

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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 needs of your user. **Feel free to use the table below to jot some notes down.**

Pros	Cons

Try

Describe Your Product

In the box below write a short description of your product and how it meets the needs of your user.

Short product description

Draw Your Product

In the space below draw a picture of the piece of smart clothing you want to create. Label the different components you will be adding to the clothing.

Reflect

Present Your Product

Be prepared to share your user, need, and smart clothing ideas with your classmates. Use the box below to write your speech if this would help you prepare

Short product description

pwc