

Prosthetic- Activity Guide



How many people in the United States live with limb loss?

MILLIONS

- Comfort
- Fit
- Cost
- Ease of getting on/ off

What are some important things to keep in mind when designing a prosthetic for someone?

Use this space to draw / brainstorm any ideas for your project:



Quiz



1. Why were we tasked with building a Prosthetic Leg in the first place?

~There is a local mother who unfortunately just lost her leg in an accident. You are tasked with helping design her a new one so she can get back to walking and feeling confident again.

2. What was the very first prosthetic ever built?

- a.) An Arm
- b.) A Leg
- ☒ c.) A Big Toe
- d.) An Eye

3. How many people in the United States are living with limb loss?

~2.1 Million

4. Name at least 2 things that are important to keep in mind when designing a prosthetic leg.

Functionality, Fit, Comfort, Ease of putting on/taking off, price, etc.

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5. True or False... prosthetics are still very similar to old pirate legs like this one:

FALSE!

Lots of technological advancements.



6. True or False...Prosthetics only work on humans:

False, animals too!

7. What do you think about a career working as a biomedical Engineer?