Everything is designed by someone...

That someone could be You!
Today’s Agenda

• STEM librarians
• Problem solving example
• Design Thinking
• Problem solving activity
• Wrap-up

Did you know STEM stands for:
- Science
- Technology
- Engineering
- Mathematics
Karen Dunn
Heather Shimon
Everything is designed by someone...

That someone could be You!
Young Women Solving Problems

• Kylie Simonds, 11 years old
• Designed Pediatric IV Backpack

Image of Kylie, CC license, bitrebel.com
Pediatric IV Backpack video

http://youtu.be/IBdB6h1__Q0

• Did you like this video?
• Why did Kylie design the backpack?
• Who did she design it for?
Why design this backpack?

- IV poles were heavy to push
- Getting transfusions and chemotherapy was scary
- Wants to help other kids

IV pole, runner dan, CC license, flickr.com
Design Thinking Process

• Good strategy for solving a problem
• Used by Engineers, Designers, Teachers, Librarians, & more!
• FIVE basic steps
Design Thinking

- Empathize
  - Who?
  - What do they need?

- Find Inspiration
  - Research!
  - Possible solutions?
  - No “right” answer!

- Brainstorm
  - Multiple versions
  - Learn from process

- Build
  - What works?
  - Why or why not?
  - Improve

- Test
Step 1: Empathize
Step 2: Find Inspiration
Step 3: Brainstorm!

- What would it look like?
- Who can use it?
- What would it be made out of?
Steps 4 & 5: Build & Test
Take it home!

What challenges do you, your family, your classmates or your teachers see every day?

Go to: “Take Survey!”

[Image of a light bulb]