

FAMILY STEM NIGHT

March 3, 2021

GRAB YOUR FAVORITE BOOK AND
SOME PAPER TO DRAW ON!



FOCUS

How do I create a product based on criteria and constraints?

Why do I have to have empathy when creating a product?



THEY GROW MORE EMPATHETIC



THEY BECOME SYSTEMS THINKERS



THEY BECOME EXPLORERS



Science



Technology



Engineering



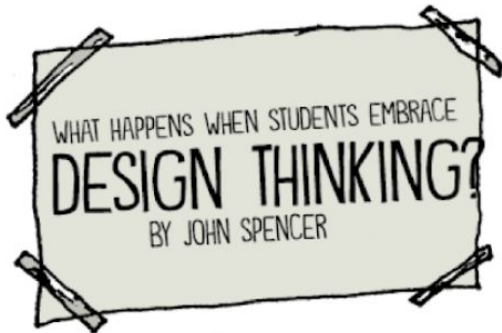
Mathematics



THEY ARE MORE ENGAGED IN THE LEARNING



THEY BECOME PROBLEM-SOLVERS



THEY ARE READY FOR THE CREATIVE ECONOMY



THEY THINK DIVERGENTLY
(THINKING OUTSIDE THE BOX BY
THINKING DIFFERENTLY ABOUT THE BOX)

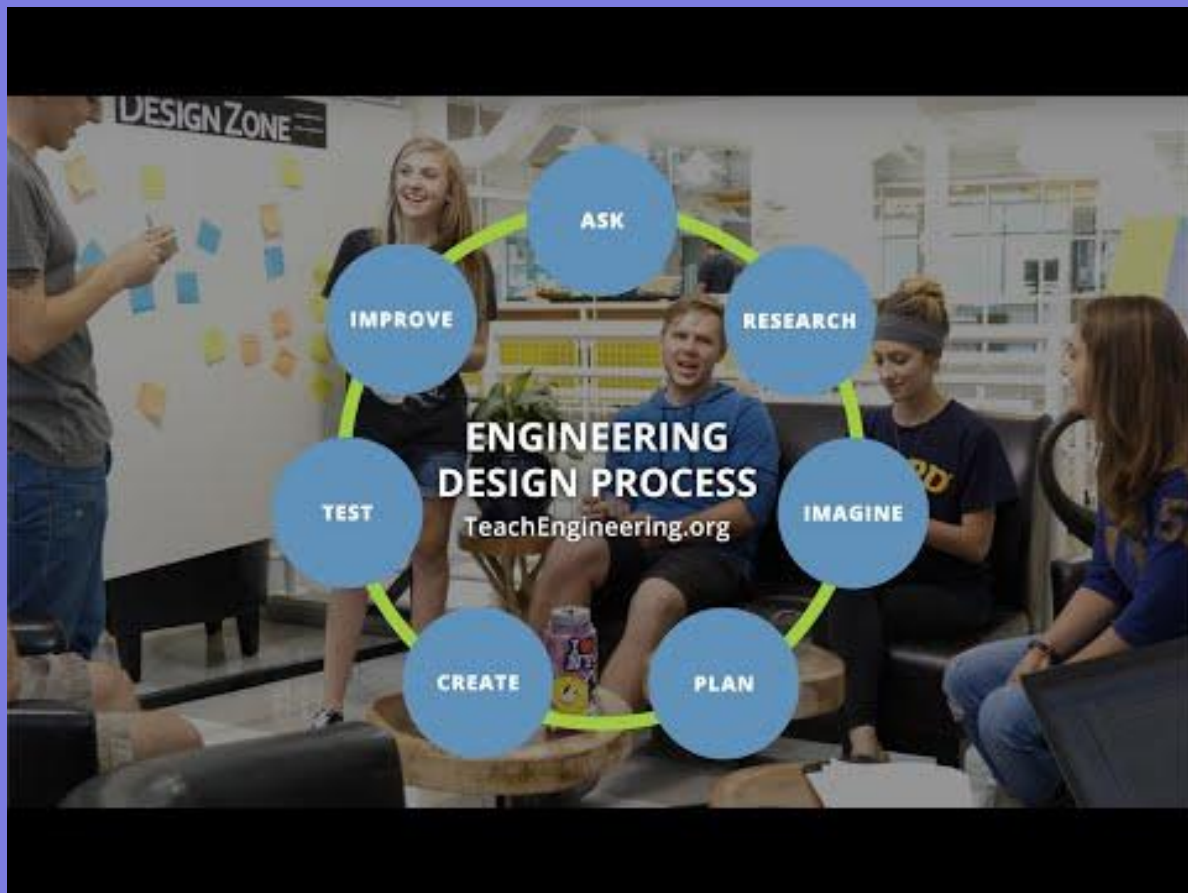


THEY MAKE DEEP CONNECTIONS BETWEEN IDEAS

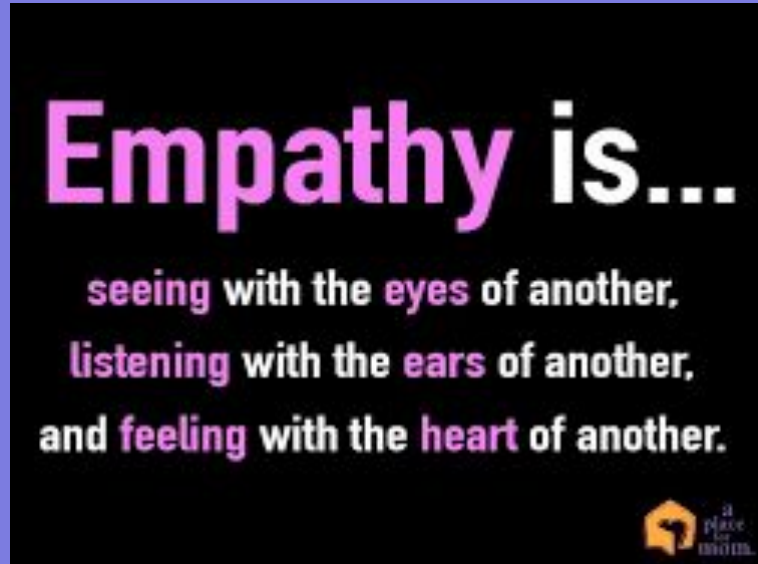


THEY LEARN TO TAKE CREATIVE RISKS





WHAT IS EMPATHY?



How is it used within engineering?

HOW DO WE USE EMPATHY IN THE ENGINEERING DESIGN PROCESS?

- Why is it important to consider others when we design something?
- How are we going to use empathy today in our engineering design challenge?

Read
— **across** —
America

NATIONAL EDUCATION ASSOCIATION
Celebrating A Nation Of Diverse Readers

DESIGN CHALLENGE

THINK ABOUT WHY YOU LIKE THE BOOK YOU CHOSE AND IMAGINE THE BOOK WILL BECOME A MOVIE MADE BY YOU!!

K-2

Design a movie poster to advertise your favorite book for the **students at LPS/WAS!**

Include the following...

- Title
- Author
- Drawings of the 2 characters
 - Release Date
- Decide how much tickets will cost and put the price on the poster
- Give your book a star review

3-6

Design an advertisement for a movie version of your favorite book for the **students at WAS/LPS!**

Include at least 3 of the following...

- Title
- Author
- Release Date
- Must be 30 seconds long
 - Ticket Price
- Add your favorite quote from the book
 - Give you book a review
- Choose 2 actors/actresses to be in your advertisement

Can be completed using a computer or done on paper!

Flipgrid Link-

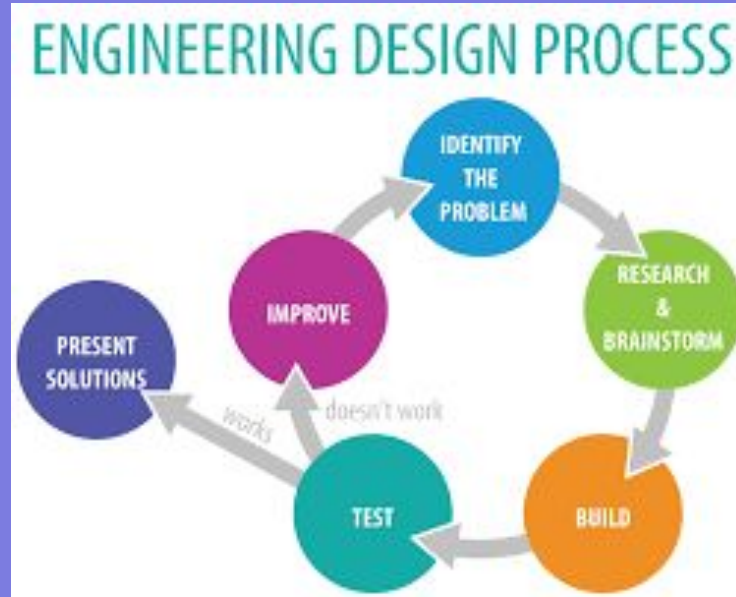
<https://flipgrid.com/56fef62c>

WHO ARE OUR CLIENTS TODAY?



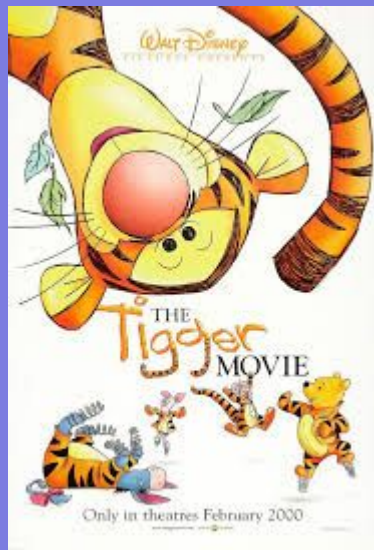
What do we know about them?

THE ENGINEERING DESIGN PROCESS



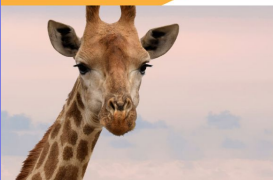
TAKE 5 MINUTES TO SKETCH OUT YOUR IDEAS ON PAPER!





MOVIE TRAILER





Coming to a Theatre near you
on May 8, 2021
Tickets at \$5 for adults and Free
for WAS/LPS Students

GIRAFFE PROBLEMS BY JORY JOHN



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LET'S SHARE!

QUESTIONS?



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