RESEARCH, REFLECT, SHARE: DOCUMENTING DESIGN THINKING

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Session Resources at echohorizon.org/puppetvideos

ABOUT ECHO HORIZON SCHOOL

- Independent School in Culver City, CA
- 180 students PK-6 (ages 4-12)
- 12% of students are Deaf and Hard of Hearing (in the mainstream classroom)
- emphasis on strong academics, character education, creativity, and critical thinking
- technology integrated throughout curriculum
- access to visual art, music, and dance theatre
- design thinking and making

WHY MAKERSPACE?

WHAT DO THEY MAKE?

THEY SEW

THEY PROGRAM

THEY CONSTRUCT

DECISIONS

WHY DO THEY MAKE?

EMPATHY

WHAT IS DESIGN THINKING?

A DECISION MAKING PROCESS

- IDEO
- Stanford d. School
- Nueva School

FOR WHOM DO THEY MAKE?

DESIGN THINKING NEEDS USERS

A FRUITFUL PROBLEM

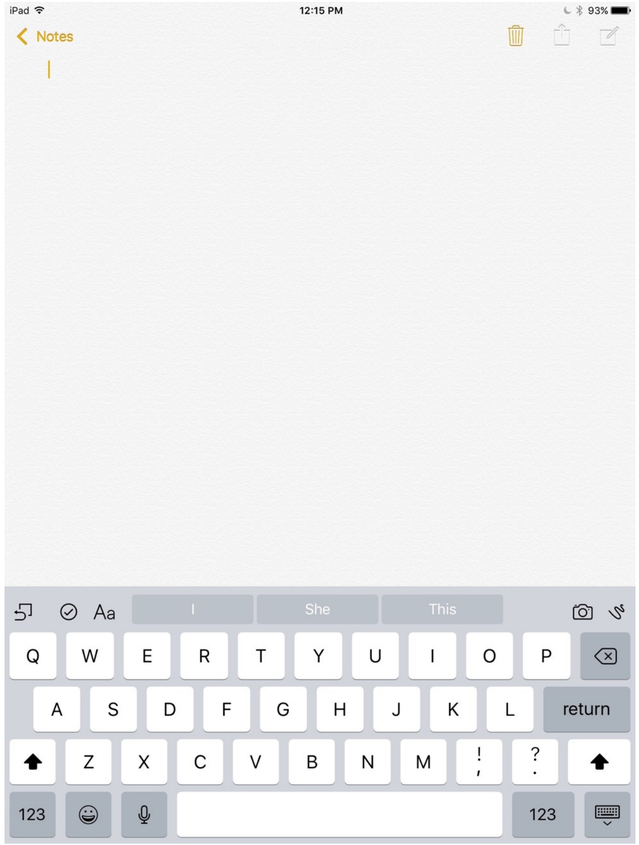
WE WERE ABOUT TO LEARN SOMETHING

WHY PUPPETS?

PUPPETS ARE MAGIC

Research & Empathize

Use the Notes app to take notes on your users



Useful apps: FaceTime Skype, Pages, Keynote, Safari, Notes, Camera, Google Docs, Popplet

Research & Empathize

Use the Notes app to take notes on your users

Research & Empathize

Gerard - swoopy and stylish, hair not blowing, likes loud music, Adele

Tina - look good for carpool karaoke, good lighting

Proud Commuter - get him there, cupholder, armrest, good connection

Rudolph - racing, fast, crushable

Identify Needs

Needs Statement:

_____ needs _____so as to_____.

examples:

Tina needs good lighting so as to shoot quality video for carpool karaoke.

The Proud commuter needs a way to hold his coffee so as to have safe access to caffeine on the way to work.

In your Notes document, create needs statements for your users

Identify Needs

Needs Statement

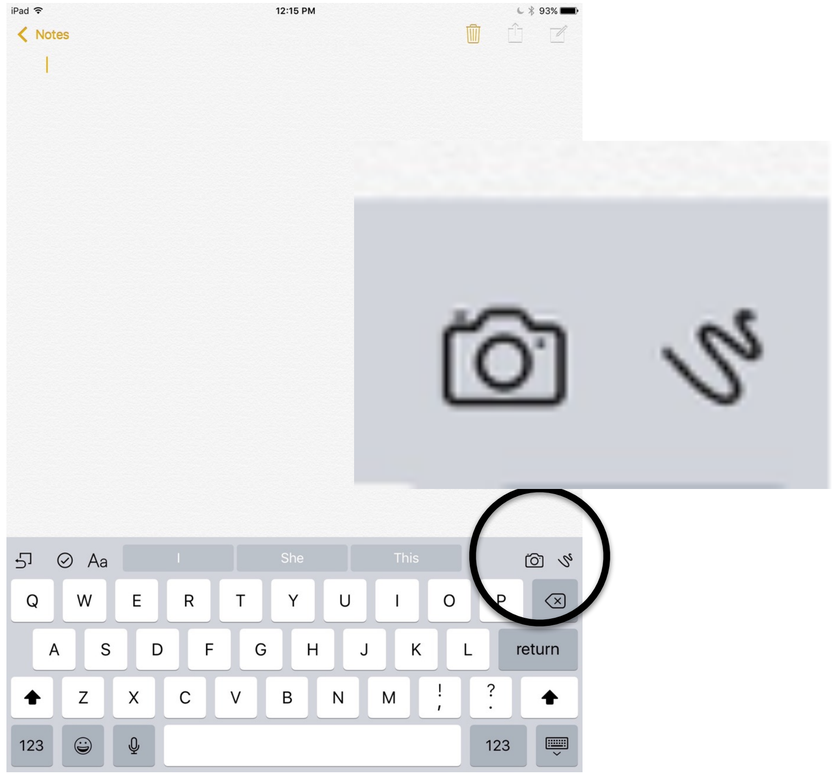
The_____needs _____

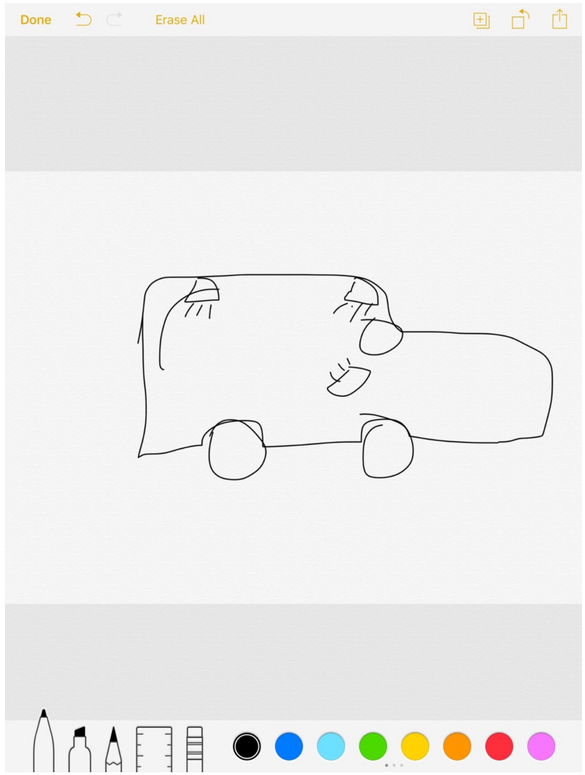
so as to _____

Useful apps: Numbers, Pages, Keynote, Notes, Google Sheets, Popplet

Generate Ideas

Use the Notes app to Sketch your ideas





Useful apps: Notes, Camera, Google Draw, Draw & Tell

Prototype & Test

Rapid Lo-Res Prototyping: Design a car for your user using pipe cleaners!

Useful apps for prototyping:

Camera, Notes, Swift, Draw & Tell, Scratch, Scratch Jr.

Identify Needs

Generate Ideas

Prototype & Test

echo HORIZON SCHOOL
Pre K-8

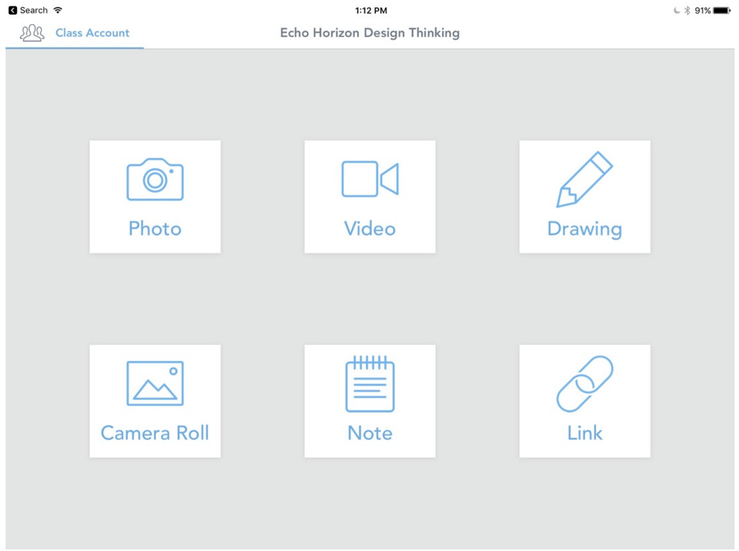
Cars we made
Grade PreK-Adult
DTWP Car Design Challenge

i2

Reflect & Share

Use the Camera app and/or iMovie to introduce your car.
Describe its features and how they meet the needs of your user.

Open Seesaw app, scan QR code and post



Post to Twitter with #cue17 #EchoPuppet

Useful apps: Camera, iMovie, Keynote, Seesaw, Twitter, ChatterPix, Draw & Tell, Telagami

Identify Needs

Generate Ideas

Prototype & Test

Sixth Grade Car Build Challenge

The Tina-nator

Q&A

Session Resources at echohorizon.org/puppetvideos

Join us in our Maker Space this summer: echohorizon.org/PD

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