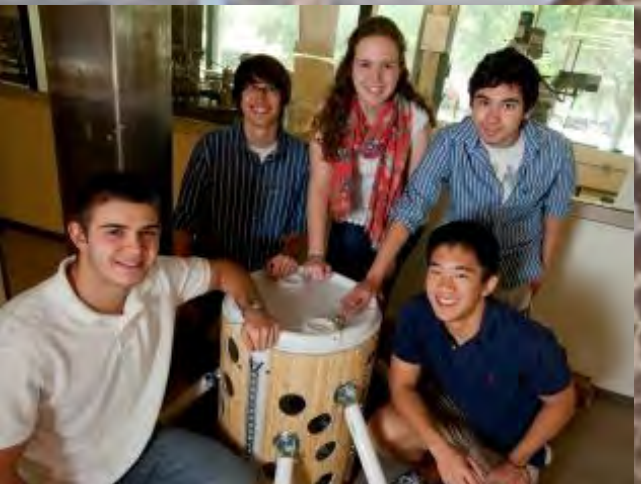
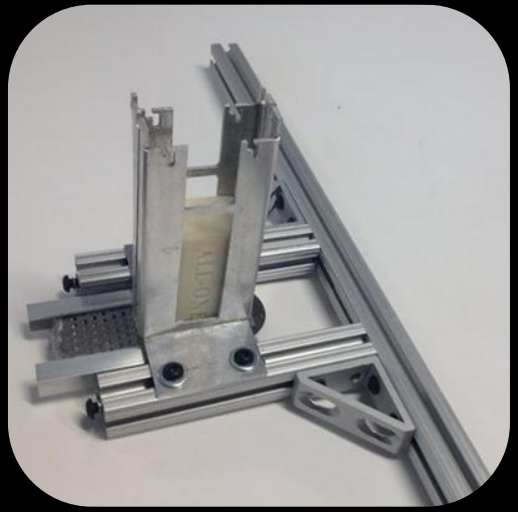
# What is the OEDK?

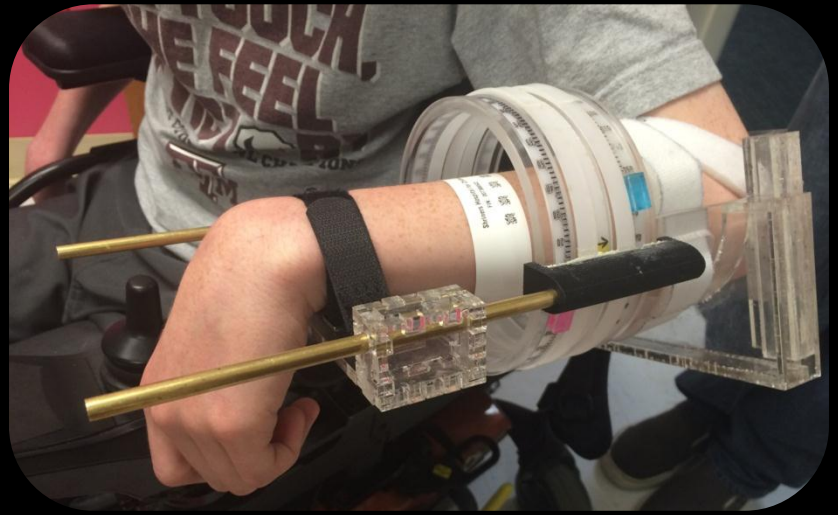
## Oshman Engineering Design Kitchen


FRIday
Visitor

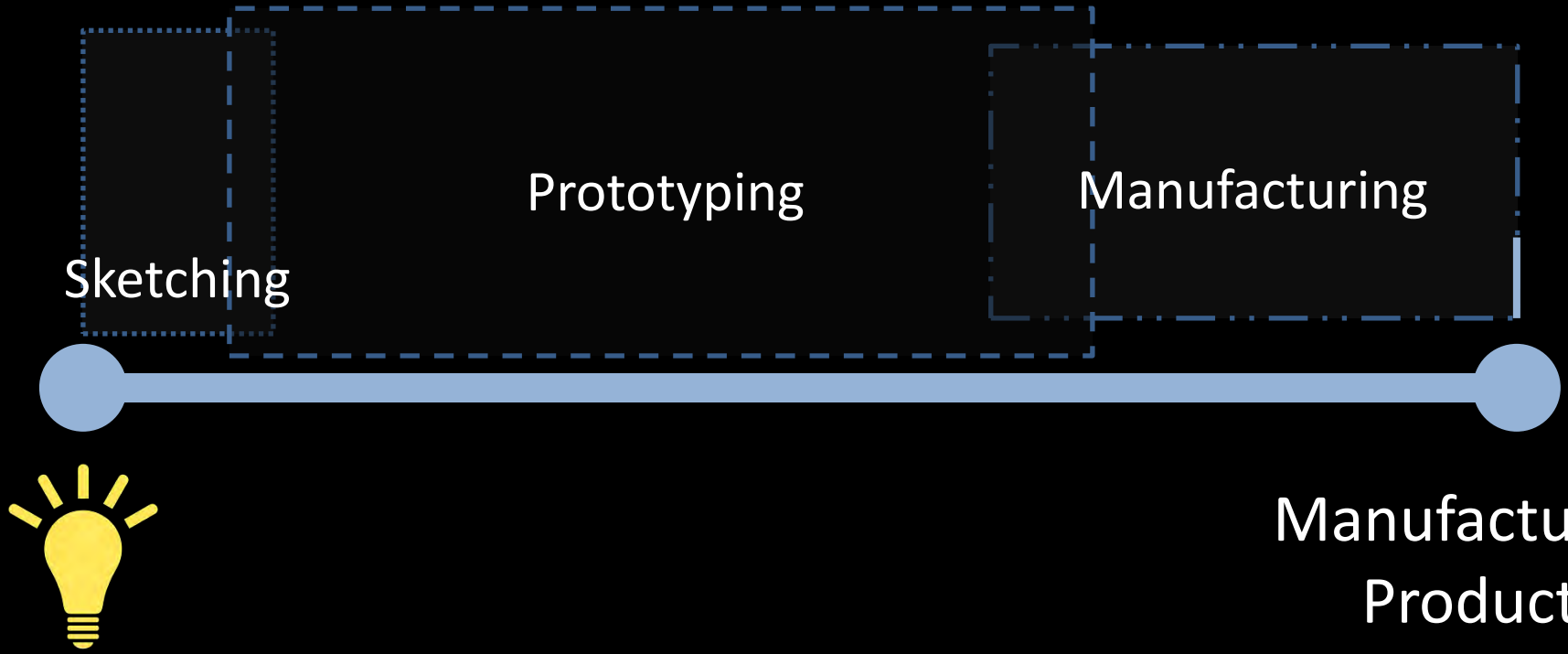


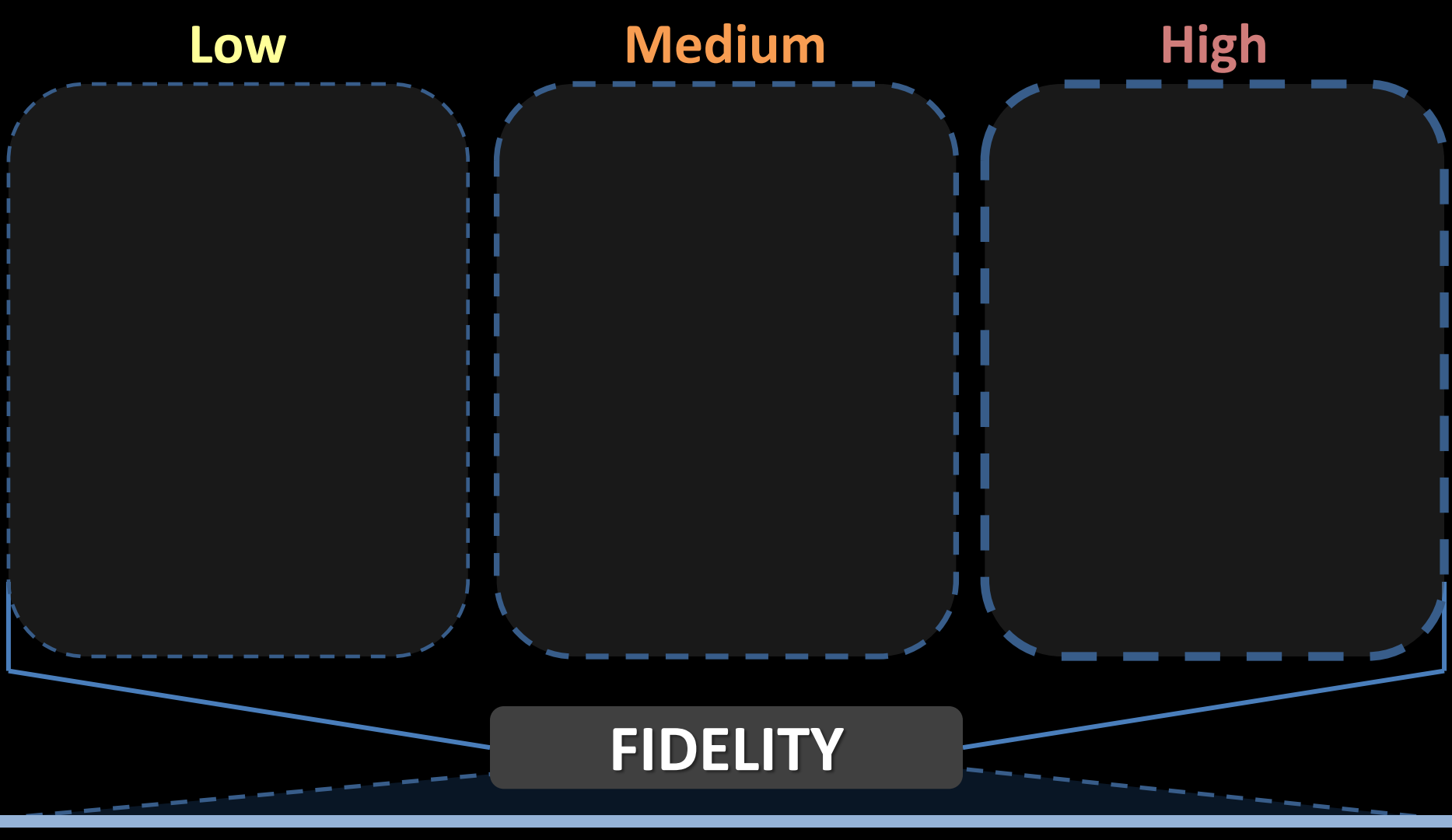
*Prototyping* is solving problems by creating physical objects.

# Prototypes, like great ideas, evolve over time.

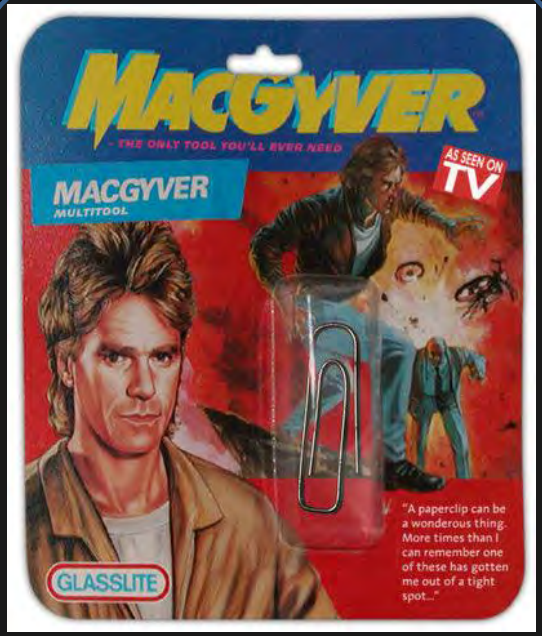



Low
Medium
High
FIDELITY

Low

Medium

High

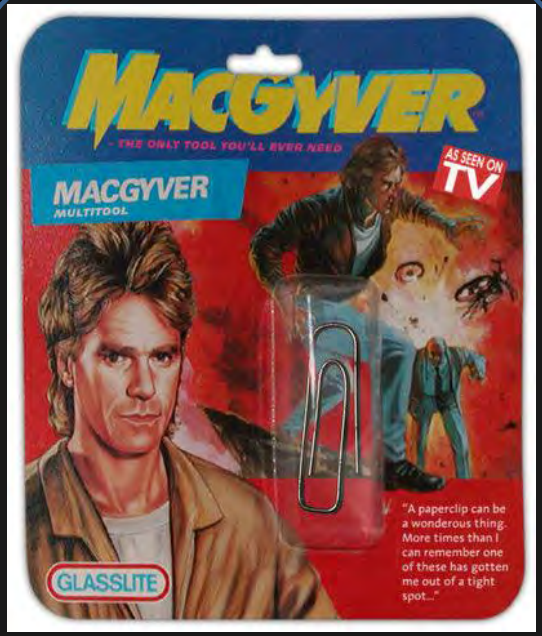



@charlesonflickr

@Fetx2002

FIDELITY

Low




@charlesonflickr

Medium

Etsy

High

@Fetx2002

FIDELITY

Low

Medium

High

FIDELITY

## Low

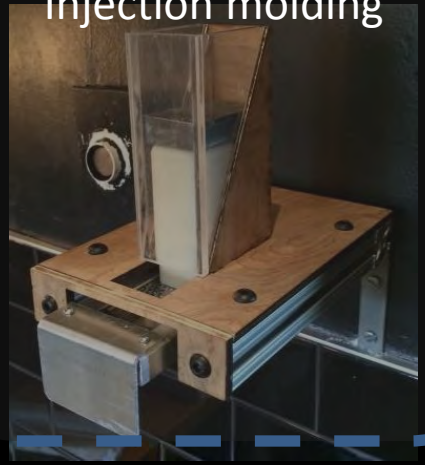
Scissors
Tape
Glue
Hand tools

## Medium

Laser cutters
3D printers
Hand tools
Power tools
Drill press

## High

3 or 4 Axis CNC Mills
Lathes
Sheet metal benders
Plasma cutters
Injection molding

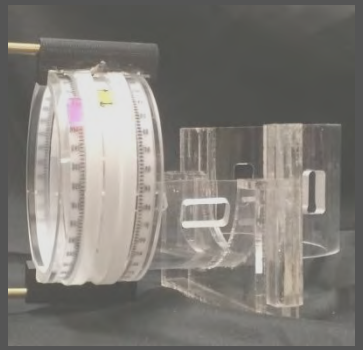


**FIDELITY**

Excelling in Medium and High Fidelity Prototyping is heavily dependent upon *access to materials* and *specialized training*

## Medium

Laser cutters
3D printers
Hand tools
Power tools
Drill press



## High

3 or 4 Axis CNC Mills
Lathes
Sheet metal benders
Plasma cutters
Injection molding

**FIDELITY**


C·H

# Low

Scissors
Tape
Glue
Hand tools

Excelling in Low Fidelity Prototyping is heavily dependent upon *practical ingenuity* and *creative solutions*

# FIDELITY

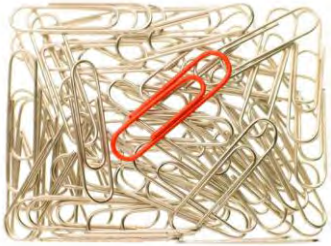
Everyone can use practical ingenuity and creativity to solve problems.
It is in us all.

Raw materials empower prototyping.

# What are some Raw Materials?


Play-Doh


Post-it
Notes Cube
3M




Scotch 19 mm x 16,5 m 3M


Scotch 231

# LOW FIDELITY PROTOTYPING WORKSHOP

- Complete the challenges at each table (in groups or alone)
- You might not get to do everything (this is ok)
- Have fun

# Prototyping Maxims

- Prototype quickly
- Prototype to learn
- Always start with rough, or, low fidelity prototype
- “Freely dive into prototyping”
  - When it makes sense
  - When you can’t say it in words
  - When there are several options to evaluate

- “If a picture is worth 10,000 words, a prototype is worth 10,000 pictures” – David Kelly of IDEO