



Do you speak 360?

Using Fusion to Communicate and Co-design Across Cultural Divides





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2:45

Setup

3:00

Sedate

3:15

Play

3:30

Goof Around

3:45

2:45

Setup

Open Fusion 360 & Data Set
Drawing Exercise #1
Modeling Exercise #1

3:00

Sedate

Catapult Design intro
Communication & Co-Design via visualization & prototype
Dollar a day realities

3:15

Play

Inquiry Exercise
Drawing Exercise #2
Modeling Exercise #2

3:30

Goof Around

Rendering & Animation
Ordering a 3DPrint
Q&A&B

3:45



INVENTOR



AUTODESK® FUSION 360™



AUTODESK® 3DS MAX®

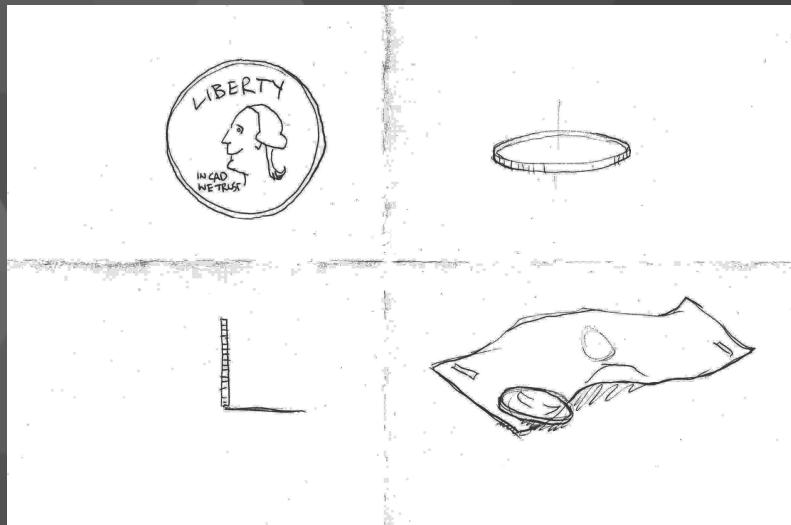


AUTODESK® 360

Autodesk Software!

Drawing Exercise #1

- Fold a piece of paper in four
- Draw a quarter dollar in four different ways



Modeling Exercise #1

- Follow instruction to model a quarter dollar

1. Create a cylinder (sketch on xz plane > circle diam 24mm centered on the origin > symmetric extrude 1.5mm)
2. Cut a cylinder (on top surface > offset circle 0.5mm > dimension the cut 0.5mm)
3. Mirror the Cut (select feature option > select cut feature, select mirror plane as xz plane)
4. Fillet all the edges (select all 6 edges > dimension the fillet 0.25mm)
5. Apply decals on both sides (select coin pic files provided, move to center, repeat on other side)
6. Cut a groove (new sketch on xz plane, project outer edge of coin, draw circle diam 0.2mm, symmetric cut 2mm)
7. Circular pattern the groove (select feature option > select groove cut > select Y axis)
8. Apply material (appearance, select Aluminum Satin material, drag onto part)
9. Render Coin (render menu select desired position {and determine any other parameters} > render)
10. Save

11. Animate coin spin (animate menu > select transform components > select pivot axis > select 359 deg)
12. Add extra axis sketch
13. Drag coin into a new file
14. Animate coin spin in an offset circle around extra axis

3:00

Sedate

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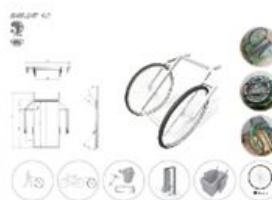
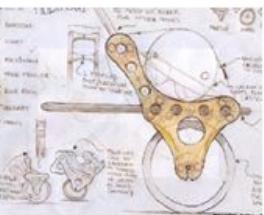
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My Path...



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ON OMIDYAR NETWORK™



MasterCard Center
for Inclusive Growth



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StanfordSOCIAL
INNOVATION REVIEW
Informing and inspiring leaders of social change



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The Nature Conservancy
Protecting nature. Preserving life.



BILL & MELINDA
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Our Clients...



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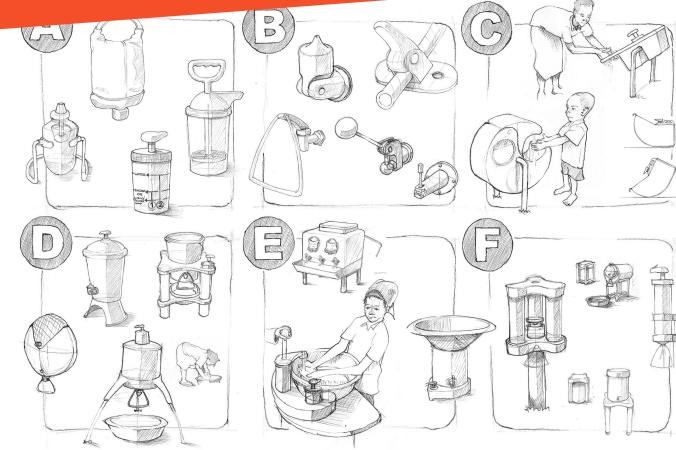
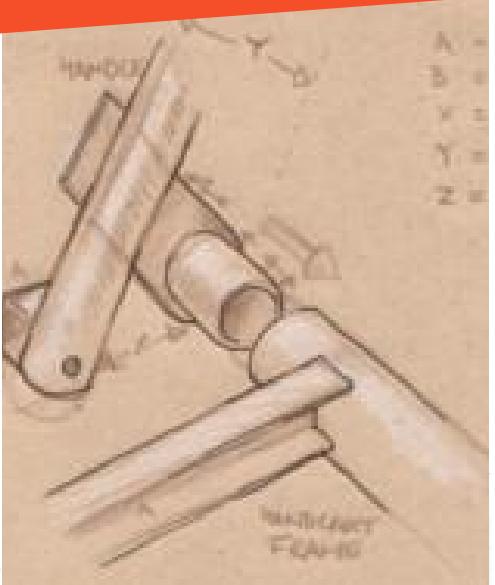
Our Clients Customers...



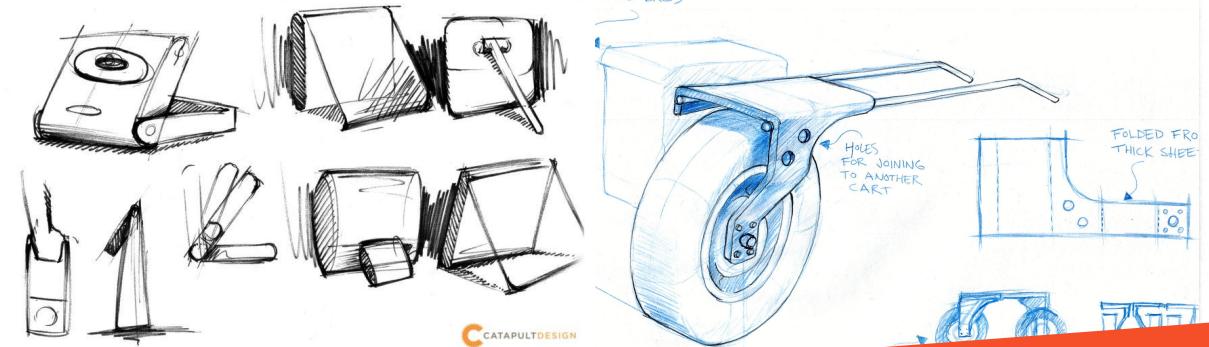
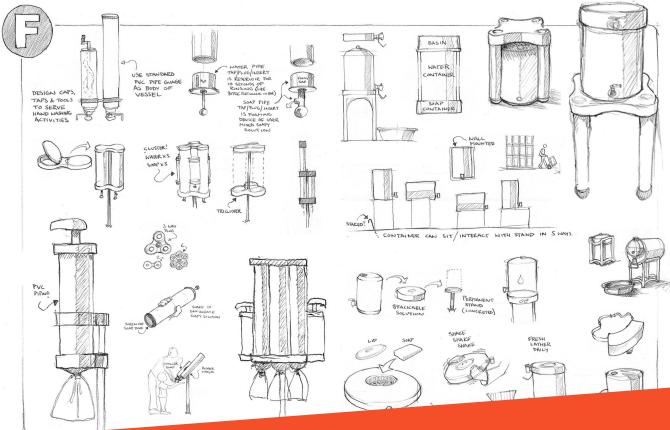
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ida SW - HWS REDesign CONCEPTS



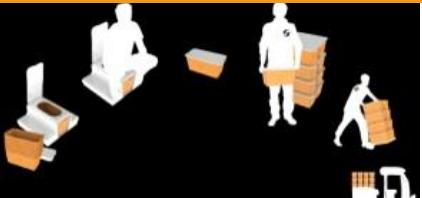


Mapping & System Illustration...

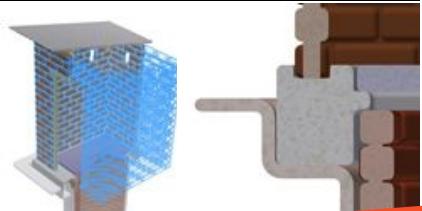


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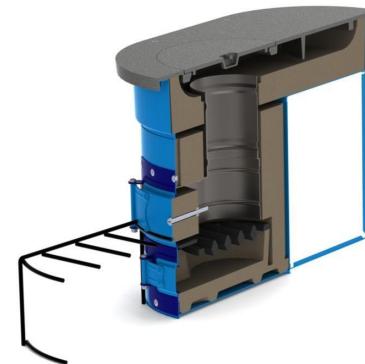
»KOPERNIK



Bright1
Personal Solar Lamp



Visualization



Rendering



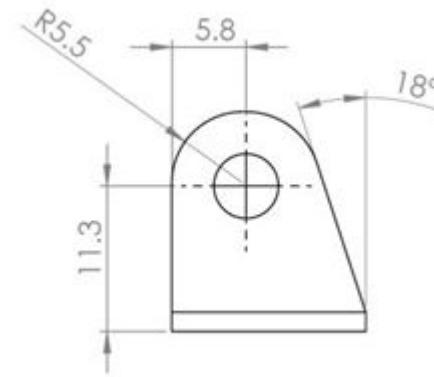
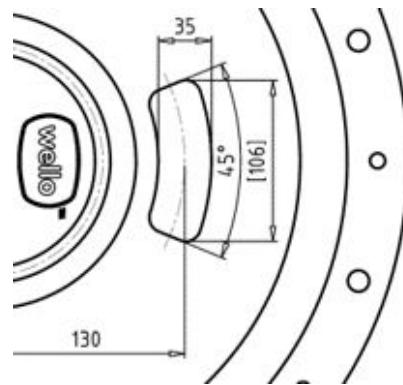
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3D Prints as Prototypes



3D Prints as Training Models





A360 > Dashboard > All Projects > Samples

Search Samples Open In Fusion 360

Rotating Trophy Globe

Version 10 (Latest)
Last updated by Noel Wilson

Stored in Samples Folders
Created by Noel Wilson on 12 Nov 2015 at 18:20

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Tools:

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3

SAVE VIEW



0 Likes 5 Views

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EMBED SHARE LIKE SETTINGS

Interactive Models



Animation





\$1 a day

3:15

Play

3:30

Goof Around

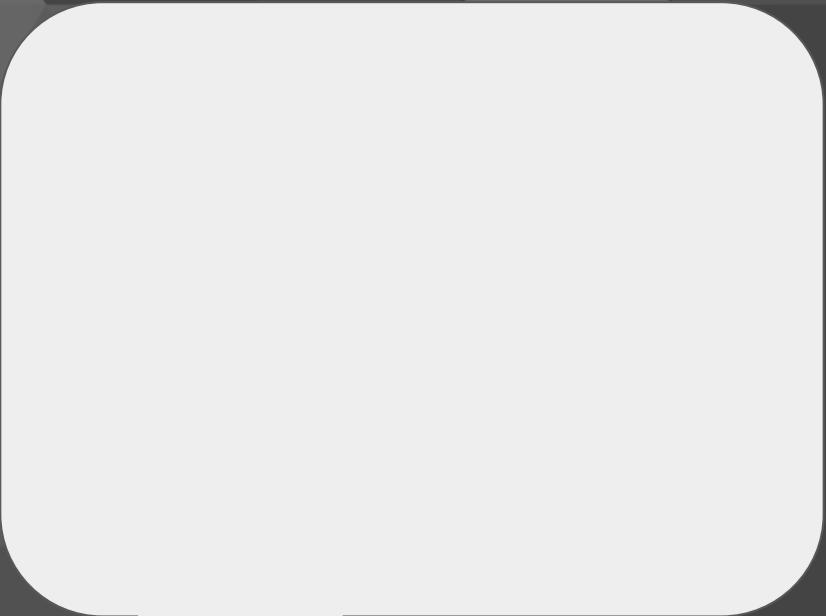
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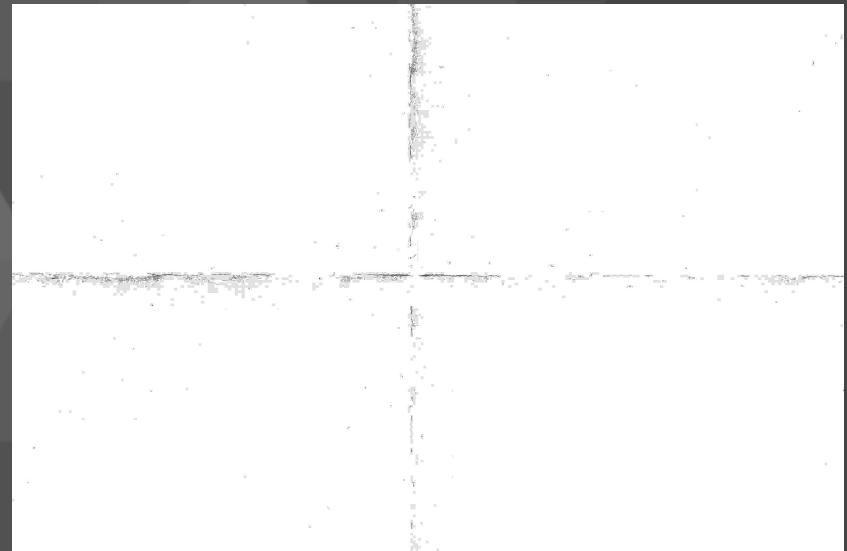
Inquiry Exercise #1

- Talk to your neighbor about how they interact with a quarter dollar



Drawing Exercise #2

- Sketch out a simple solution for your neighbor to hold a quarter dollar & review it with them



Modeling Exercise #2

- Model a quick draft in Fusion 360 and review with your neighbor

3:30

Goof Around

3:45

Rendering & Animation
Ordering a 3DPrint
Q&A&B



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Rendering & Animation

- Experiment with rendering & animating your model

Ordering a Print

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Order 1457317

1. Pending 2. Hub Review 3. Payment 4. Printing 5. Pickup 6. Completed

Next action: Order Completed

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Resolverator 4000 - 3 - R2	Polished Metallic Plastic	\$18.69	1	ADD TO CART

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