



onshape®

How to CAD almost anything!

MIT Summer '24

Instructor: Andy Eskenazi



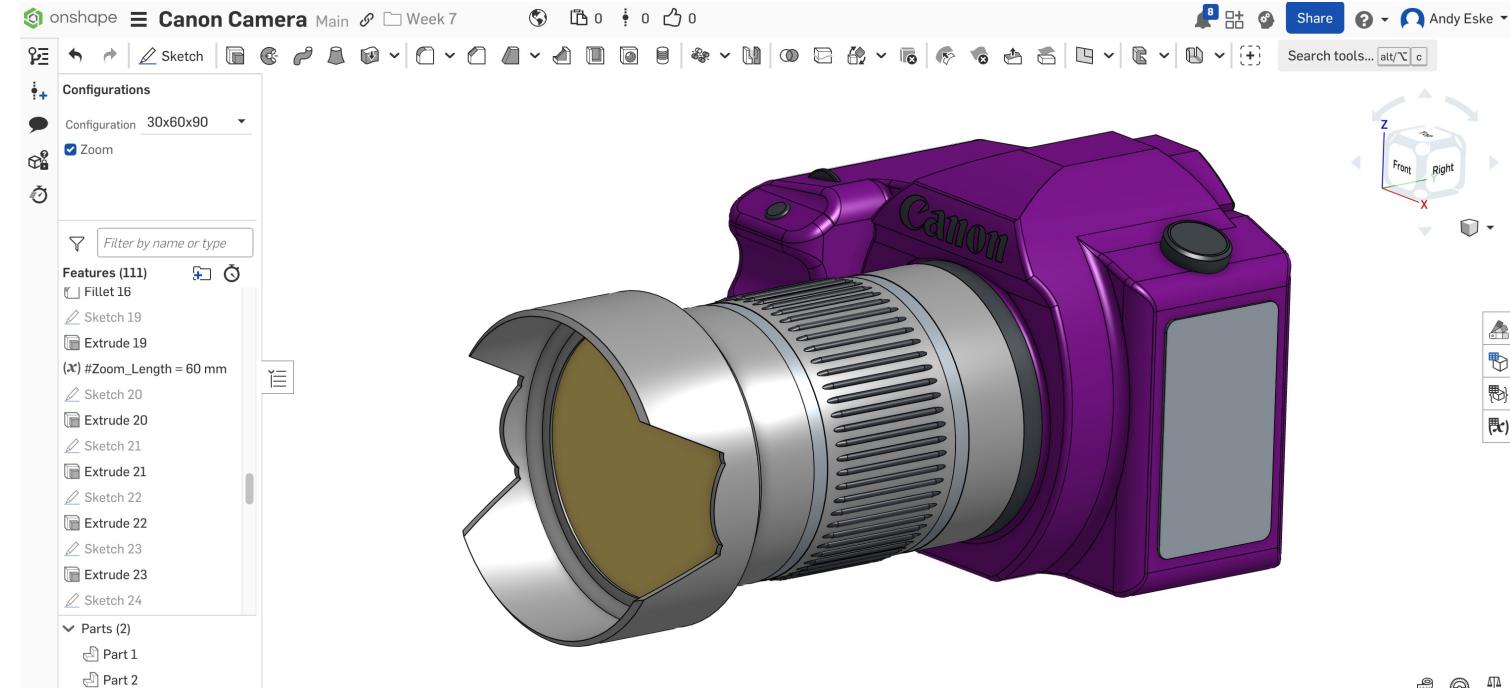
Session 8
MIT
AEROASTRO



Last Time: Session 7



Mario Kart
with glider!



Canon camera with lens!



Questions?

Warm-up:

No warm-up today, straight into
designing!

Session 8



A wooden airplane

+ engineering
drawings of all its
constituent parts!

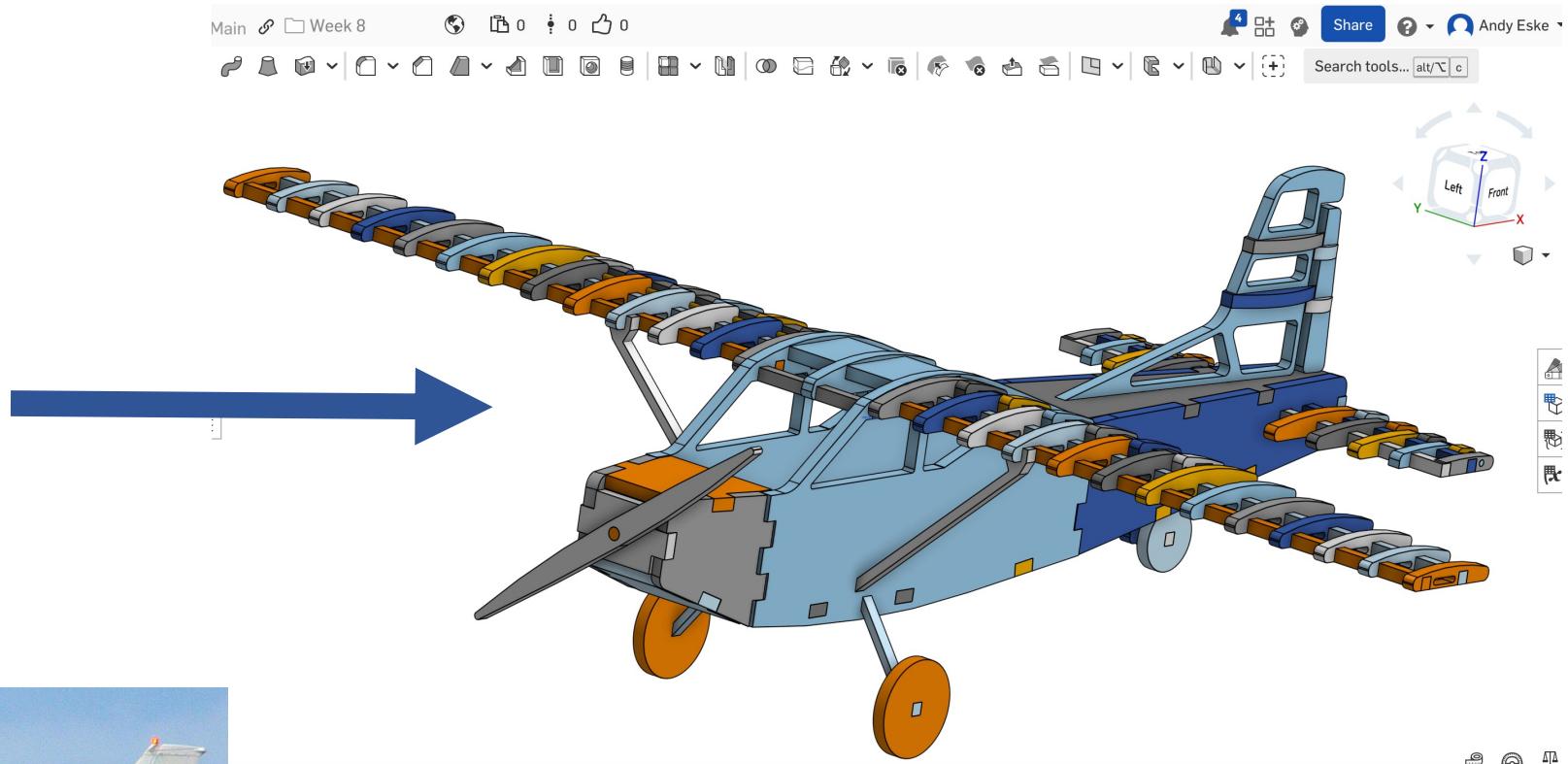
Model Cessna 154!



A wooden airplane



Cessna 154!



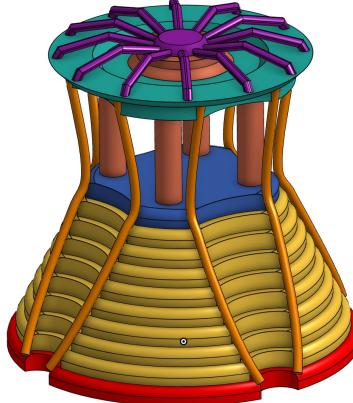


Questions?

Workshop logistics

Session 1: June 5	Session 4: June 26	Session 7: July 31
Sketches, basic feature commands, editing and defining sketches, coloring parts, changing material properties	<ul style="list-style-type: none">• Cake• MS-80B Loft, sweep	<ul style="list-style-type: none">• Marble run• Banana! Sketch/feature names, equations, design table, configurations
Session 2: June 12	Session 5: July 17	Session 8: August 14
Spline tool, sketch picture	<ul style="list-style-type: none">• Safety Card• Logo keychain Review of all commands + wrap, renders	<ul style="list-style-type: none">• Diet coke bottle• Ariane V Engineering drawings, GD&T
Session 3: June 18	Session 6: July 24	<ul style="list-style-type: none">• Wooden airplane• Drawings
Revolve, mirror, circular pattern, plane creation	<ul style="list-style-type: none">• Fidget spinner Assemblies, exploded view, animations	<ul style="list-style-type: none">• Lego 2x4 block• Lego 2x4 plate• Lego boat

Projects (Session 1 – 4):



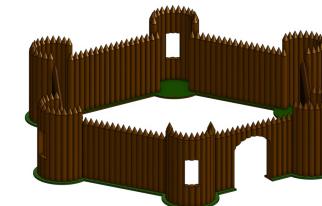
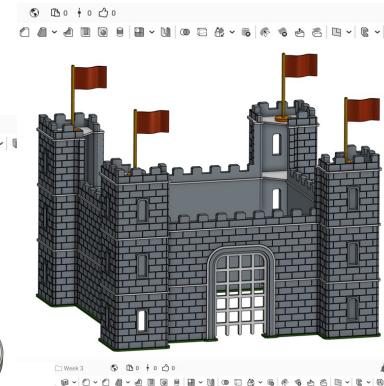
S1: June 5



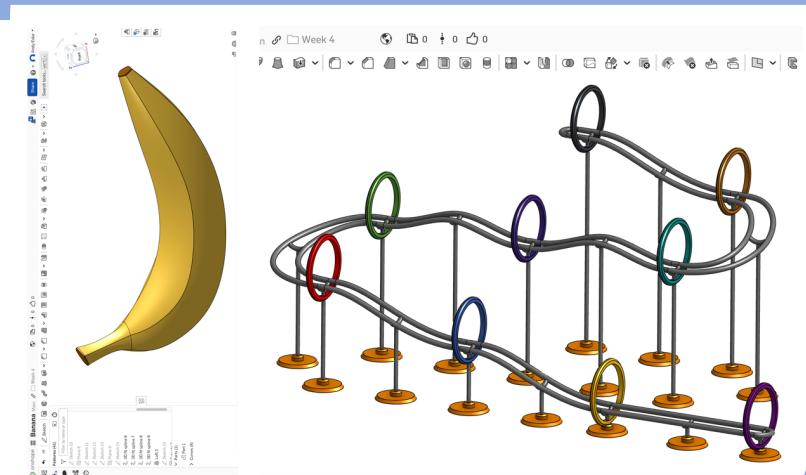
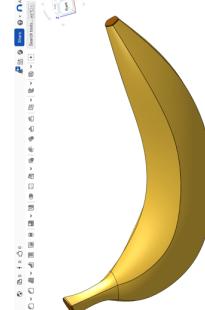
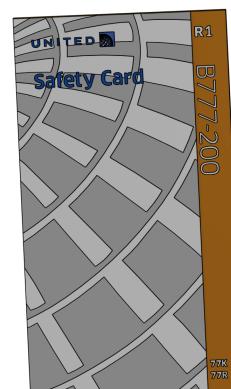
S2: June 12



S3: June 18



S4: June 26



Projects (Session 5 – 8):

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The end!



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