

onshape

A path of evolution in design and modeling in
Granby Public Schools.



onshape

Sign in to Granby Public Schools

granbyct.onshape.com

**Everything that is built
starts as a design.**

A little history of technical design in Granby Public Schools.

Just like industry it all started
on the drawing boards.

T-Square

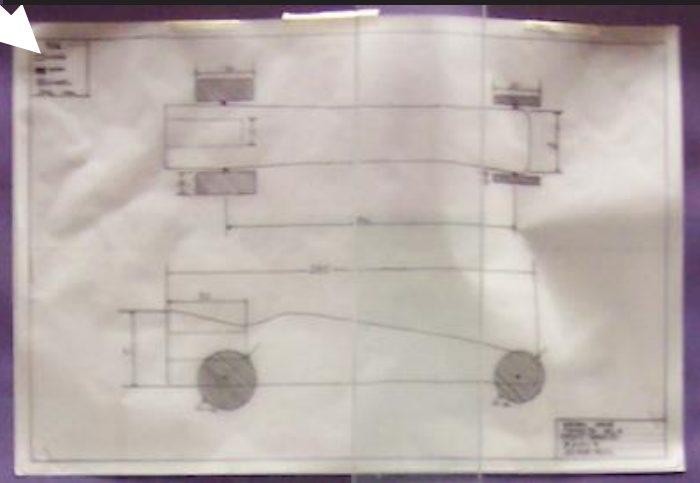
Triangles

Pencil

Paper

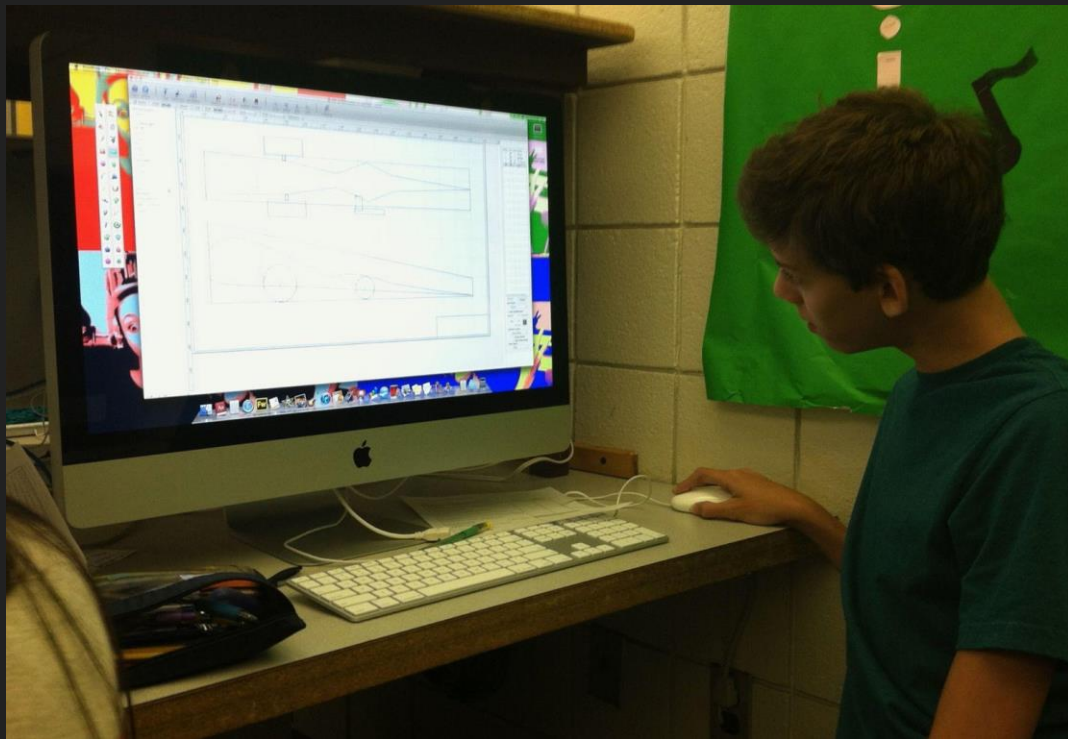
Tape

Lots of erasers!



**Finally as time
went on and
drafting
software got
more
affordable and
powerful
computers
got cheaper, it
moved from
paper to
computer.**





There were lots of stops in software over 26 years.

AutoCAD Lite

AutoCAD

MiniCAD

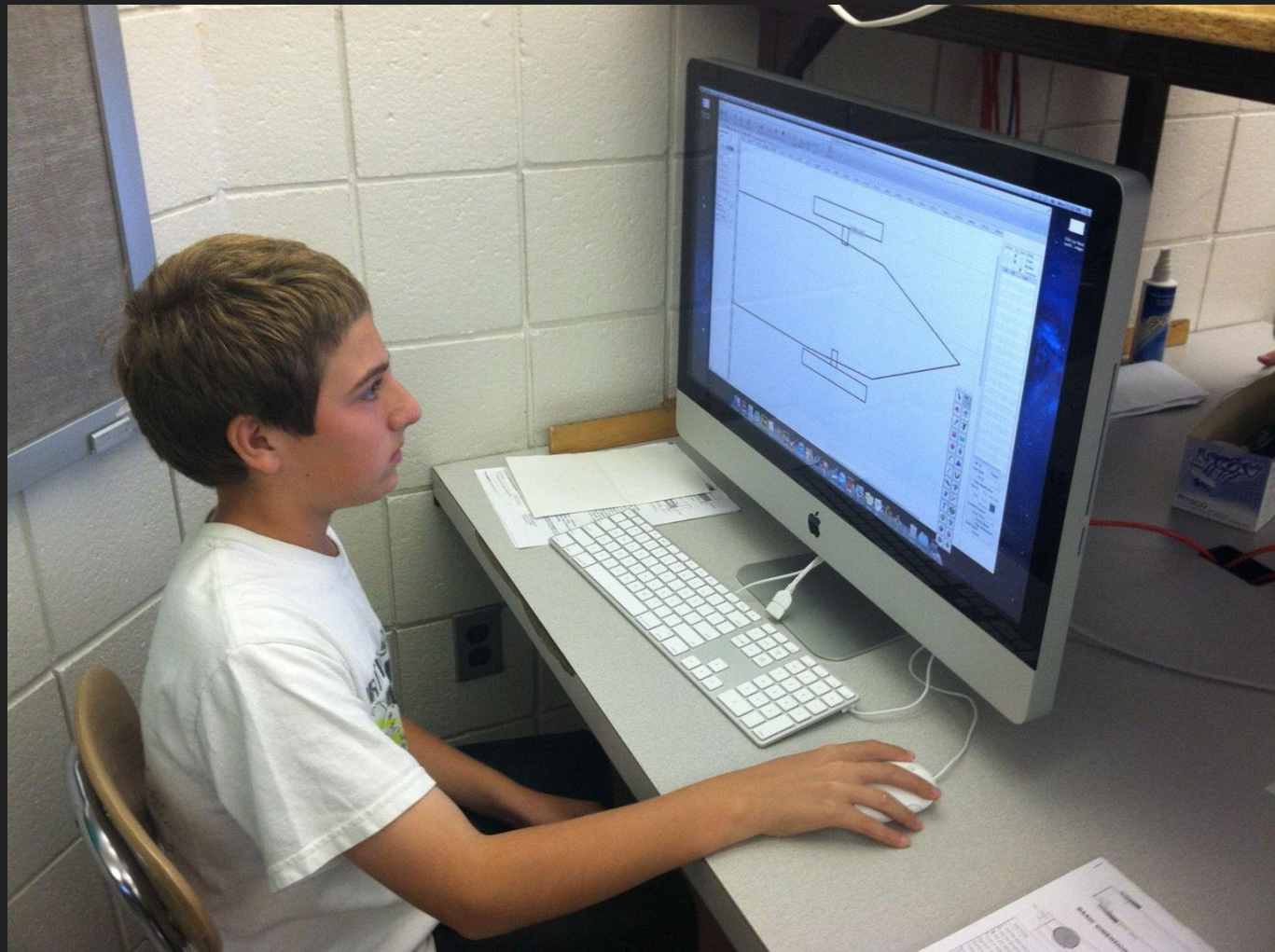
EzCAD

Claris Draw

Apple Draw

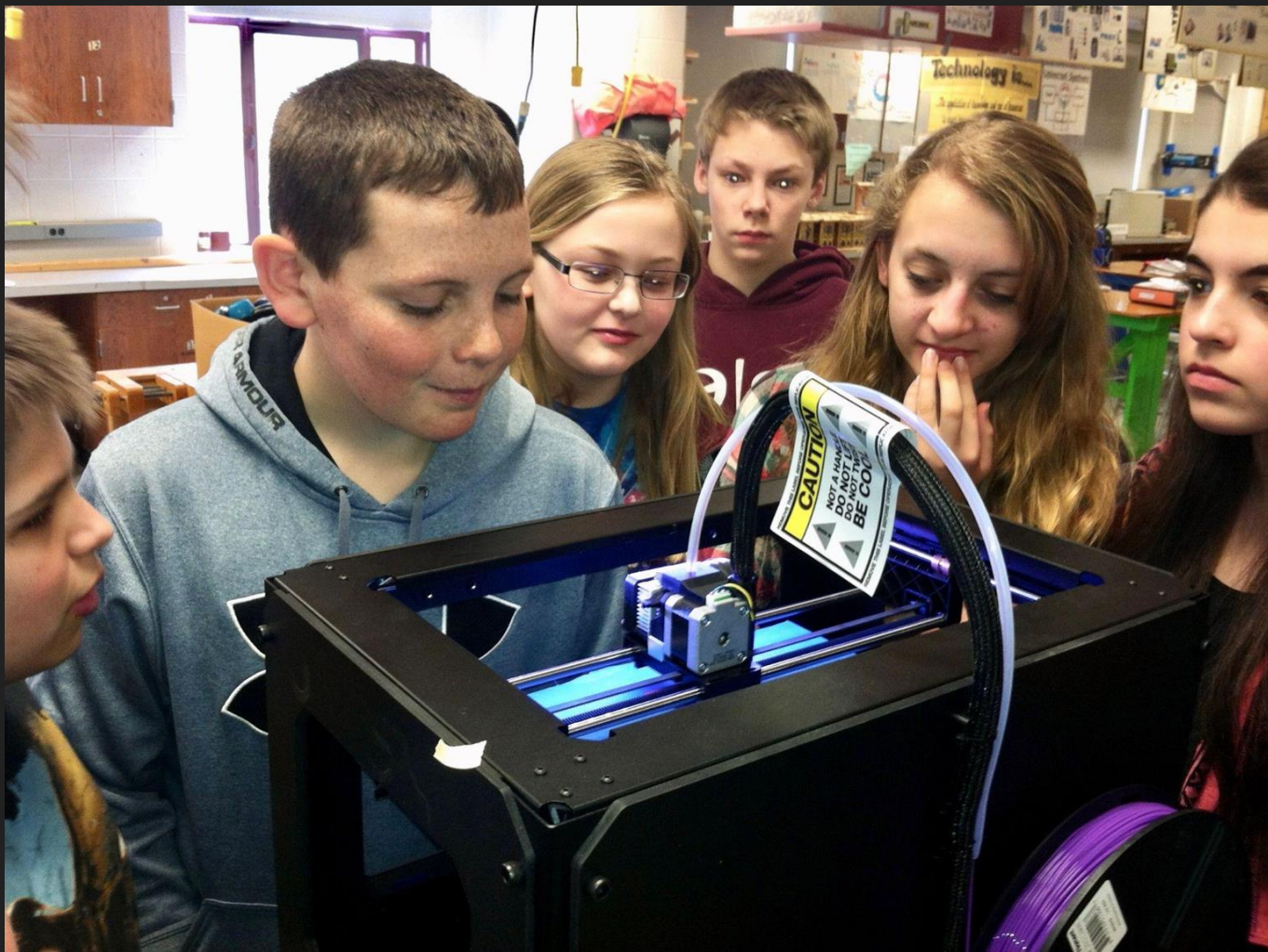
EazyDraw

**As the times
change,
Granby
schools
have always
changed
with the
times.**



**But every once
in a while...**

**There is a change that
changes everything!**



3D Printing and 3d Modeling

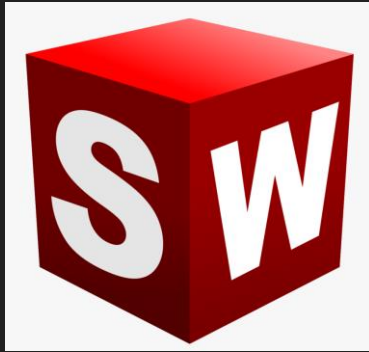
*Forever
changes our
thinking in
Granby
Technology
Education!*

*March 14
2014*

3d Modeling becomes a part of what we teach in Granby.



TinkerCAD



SolidWorks



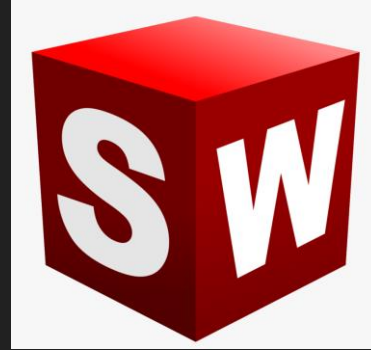
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6th



TinkerCAD

7th, 8th



SolidWorks

Why another change?

***The world changed on
us and education
went online.***



A little history of onshape.

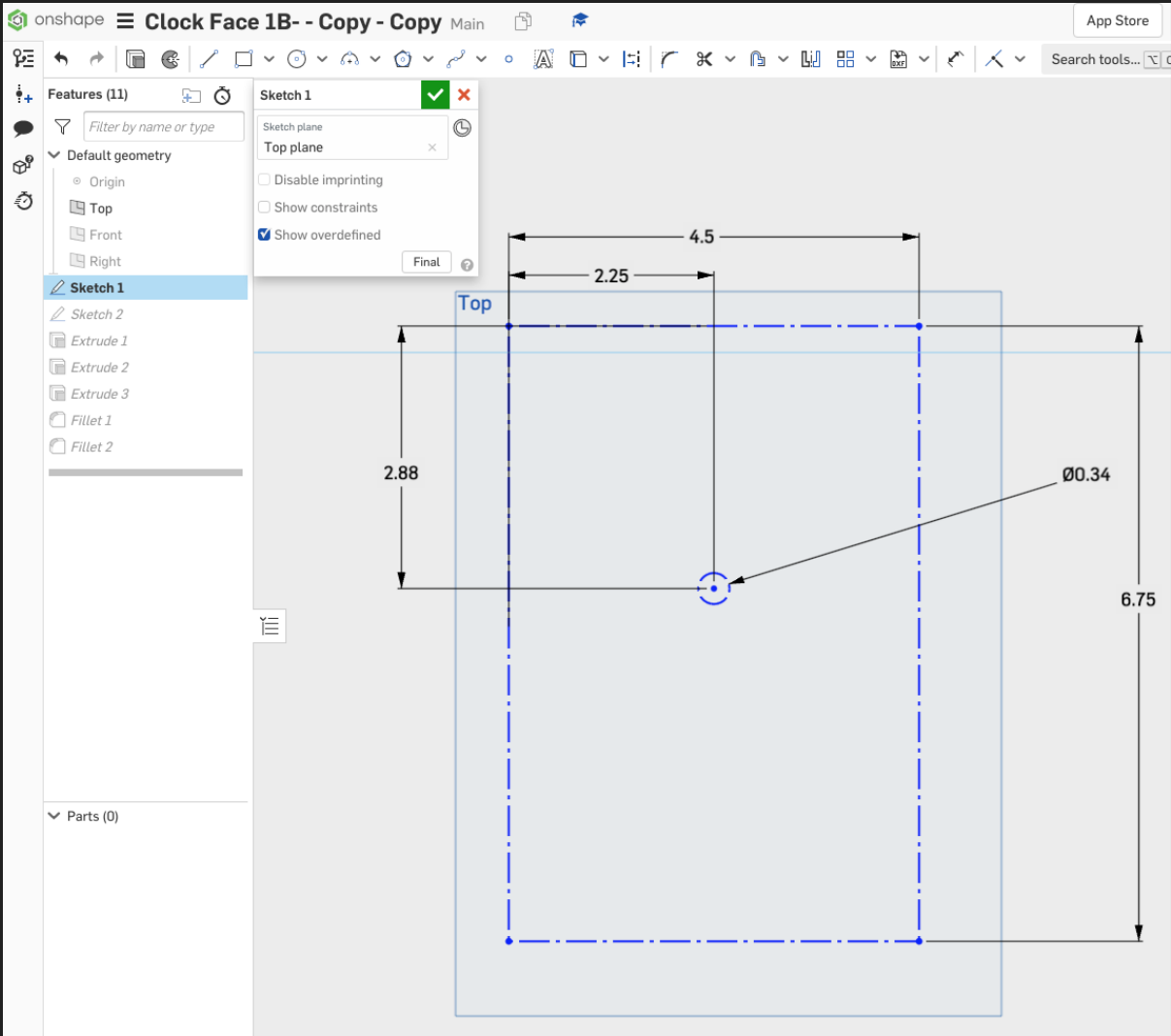
- **Created by the same engineers that created SolidWorks.**
- **Design interface and concepts are same.**
- **But completely cloud based, so it can be accessed from anywhere.**
- **Finally able to be used in schools.**

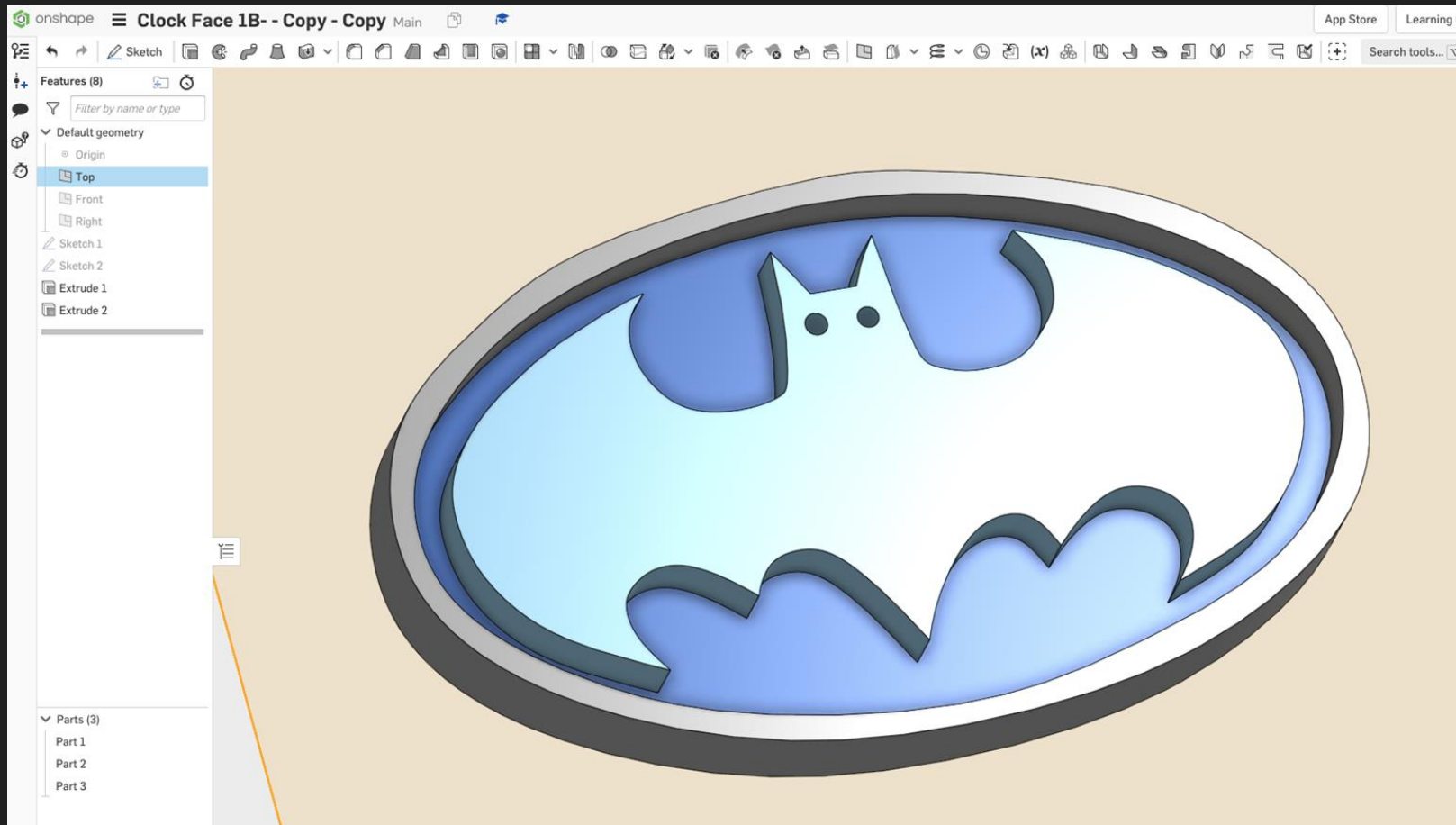
***No longer is the student design learning
limited to our labs.***

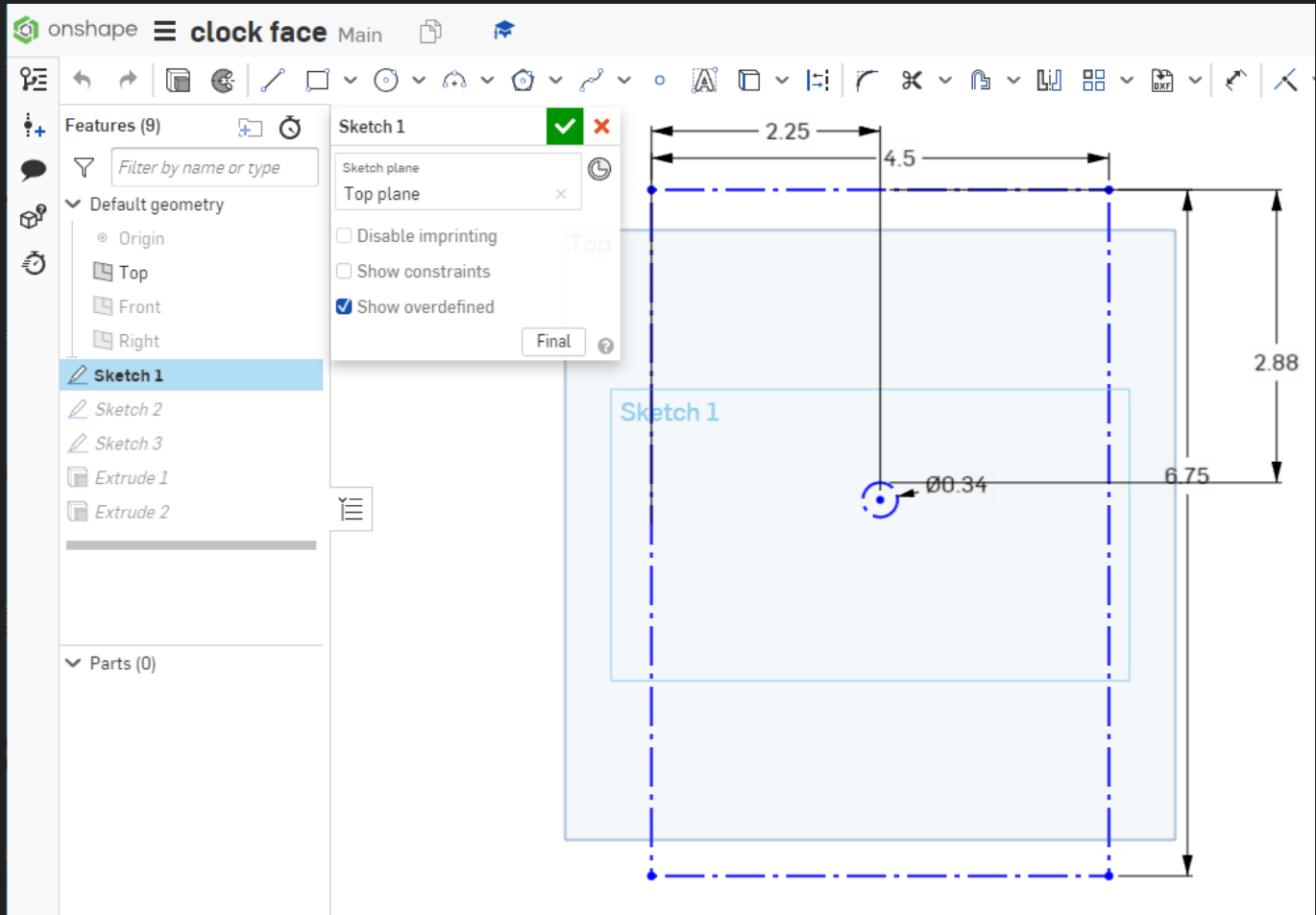


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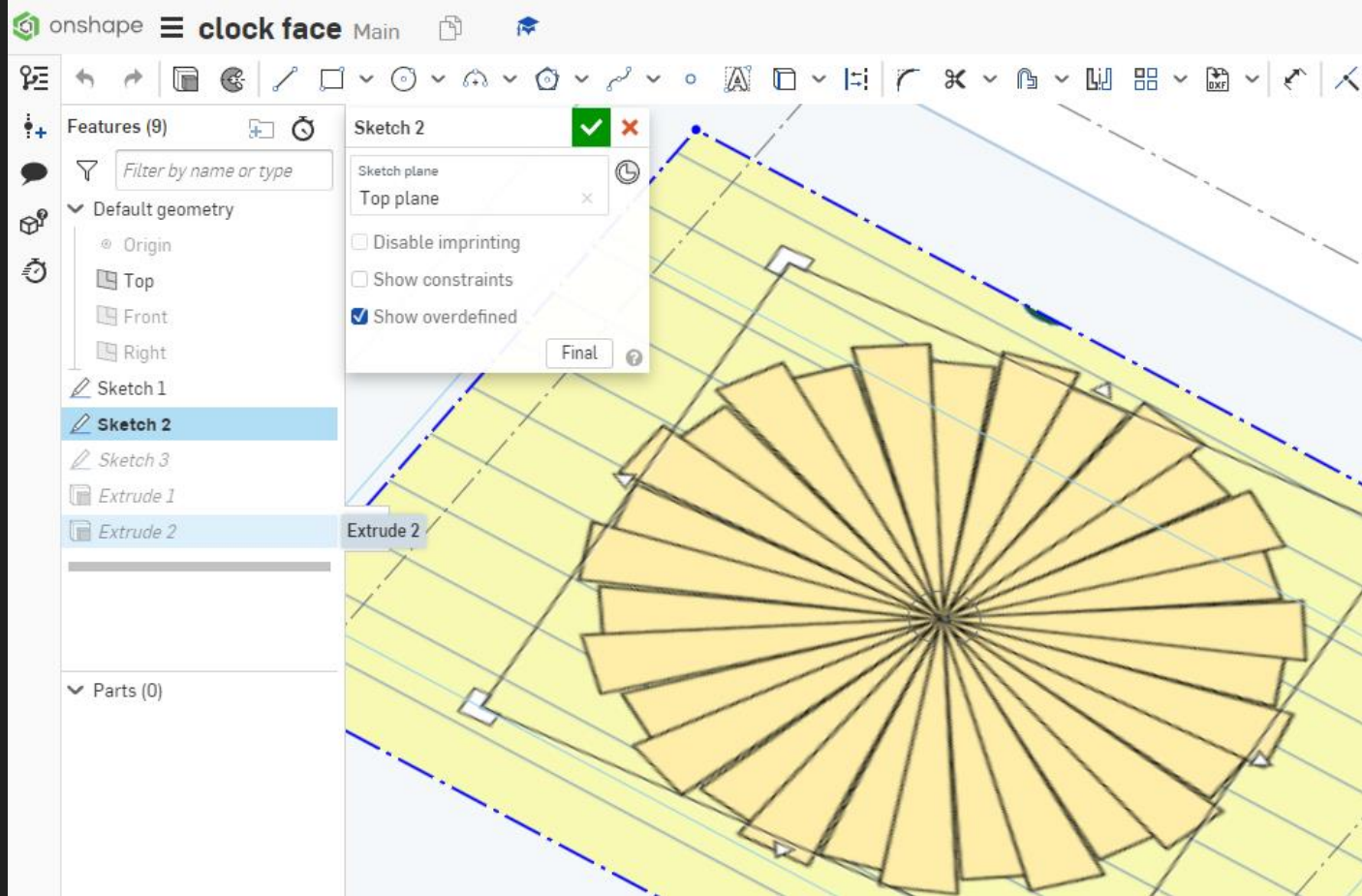
2D Design



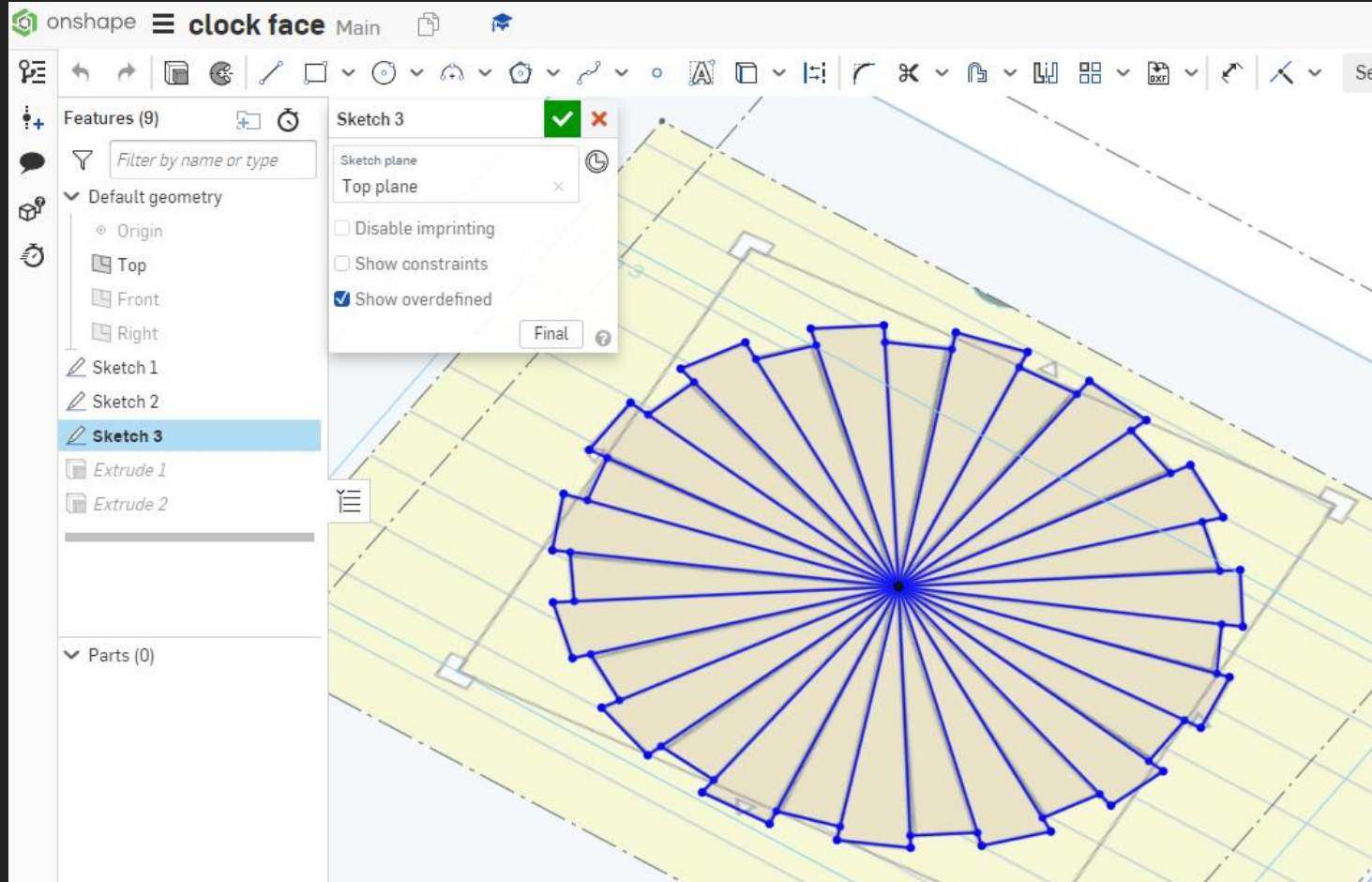




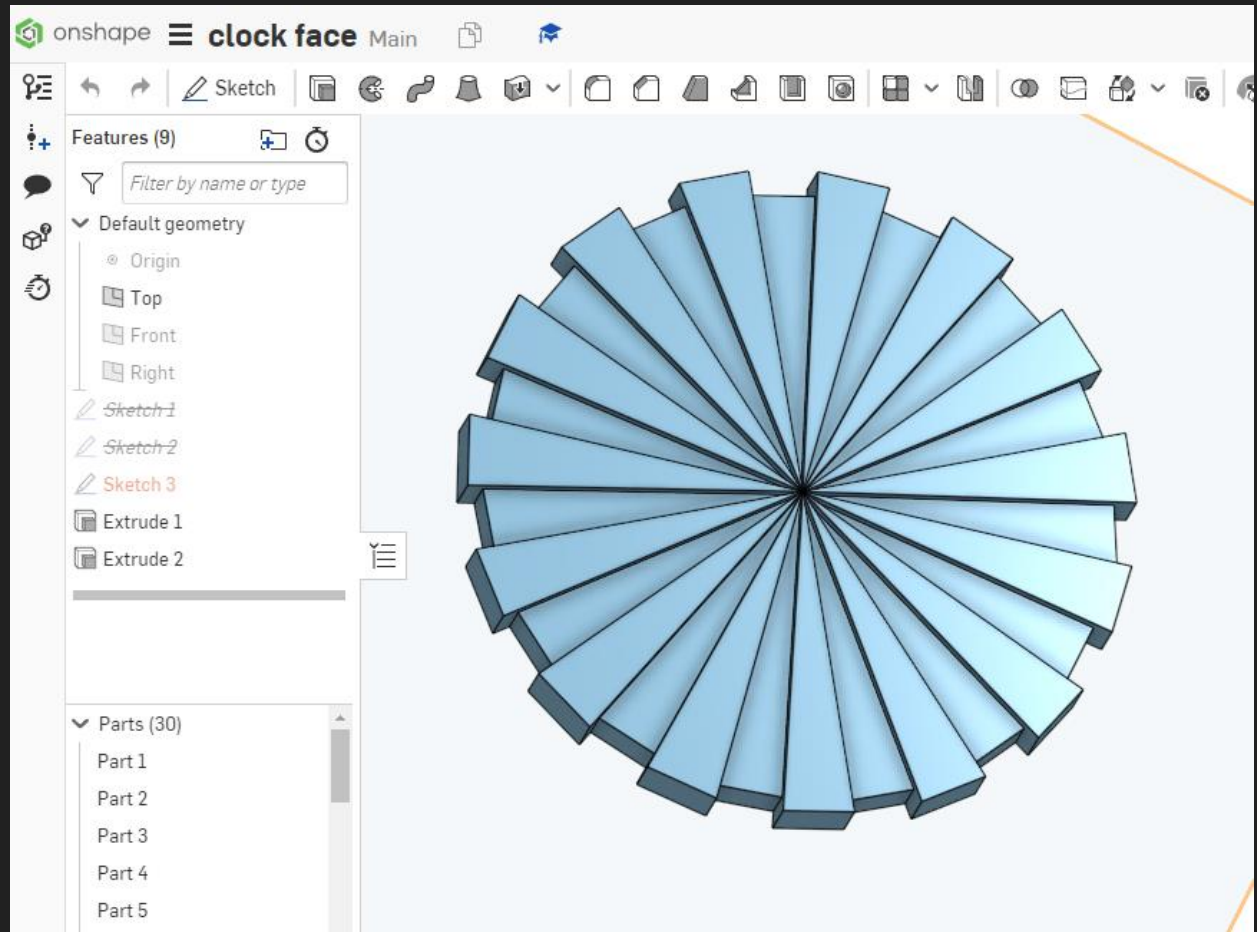
Emma Wiltshire



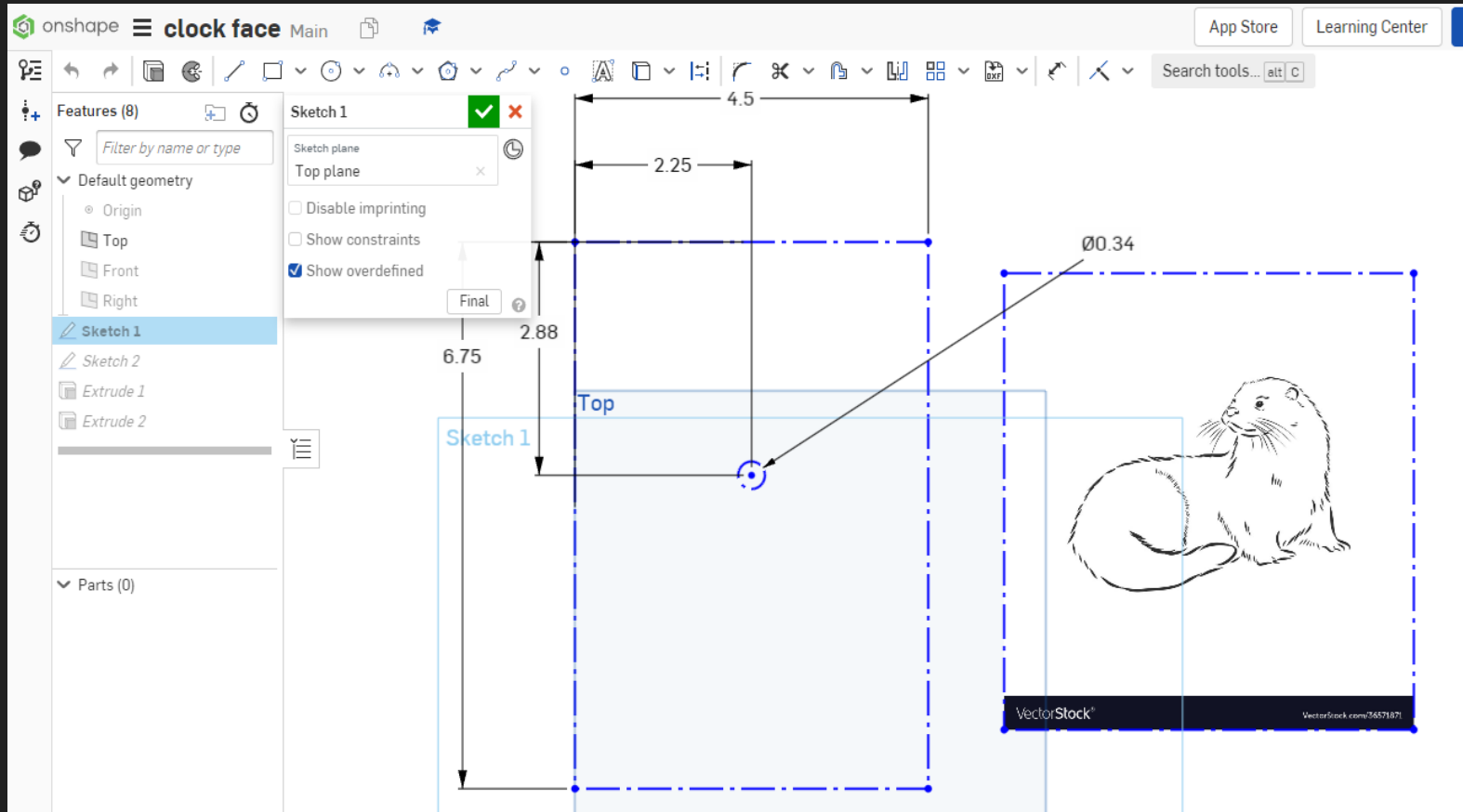
Emma Wiltshire

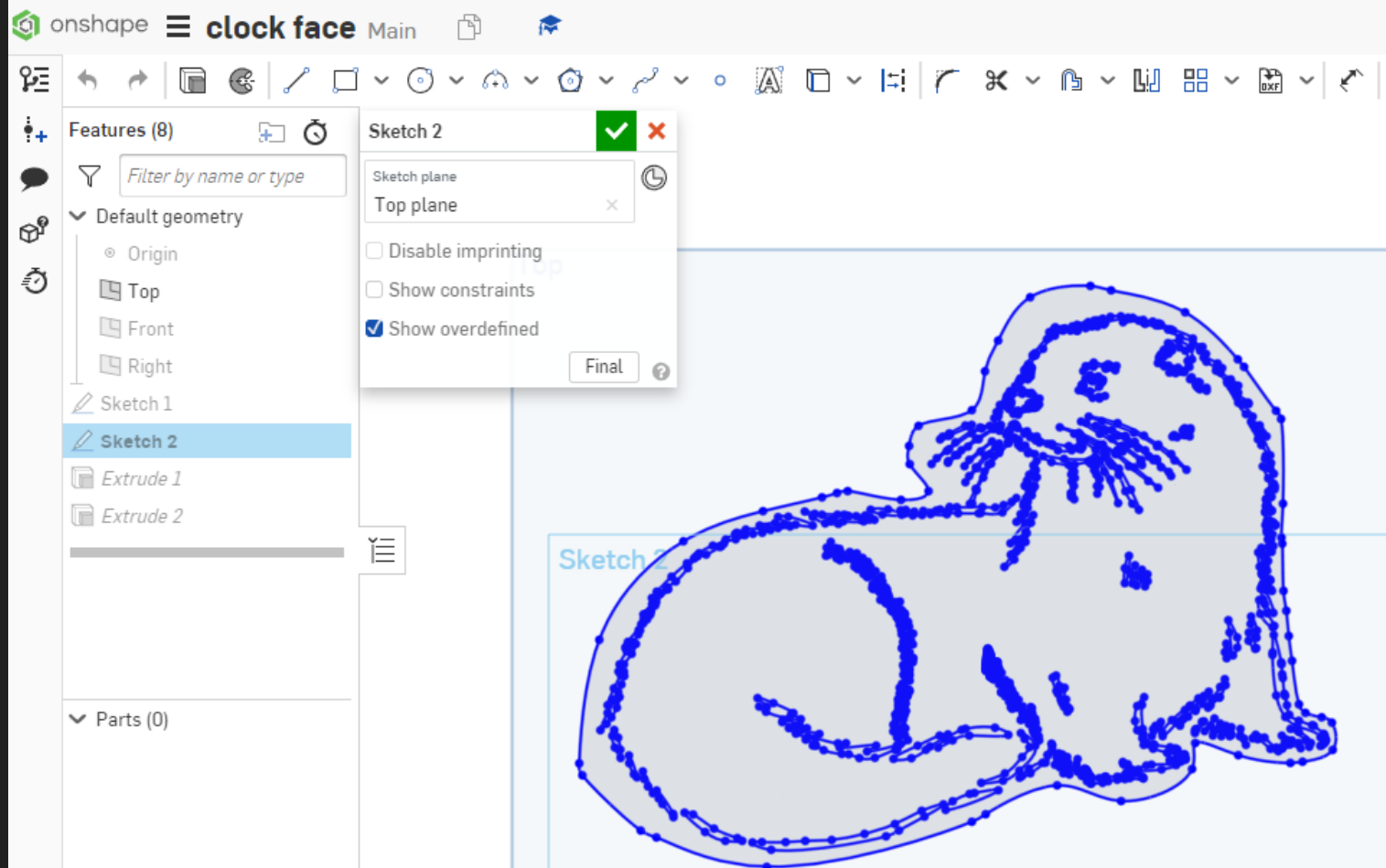


Emma Wiltshire

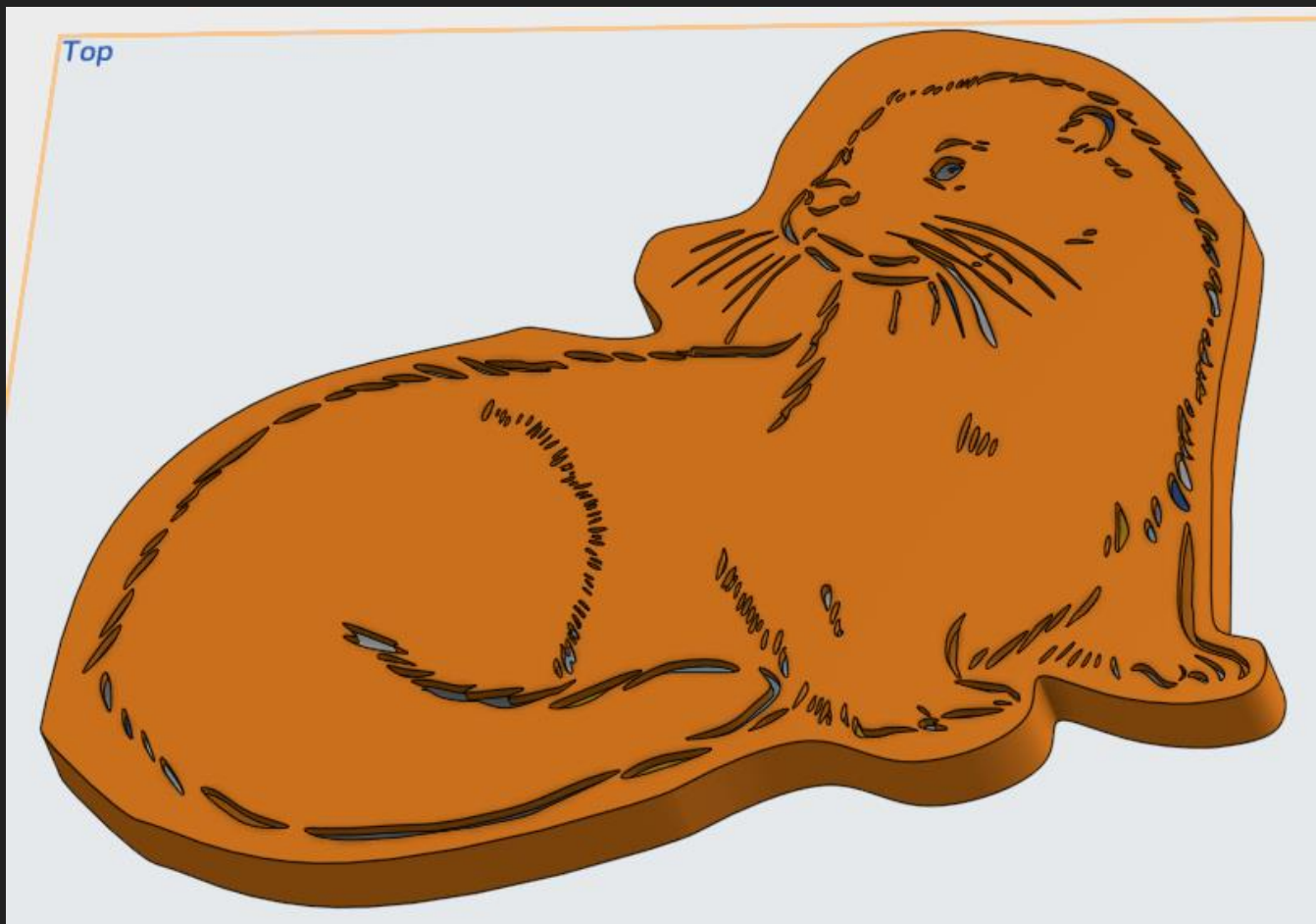


Emma Wiltshire

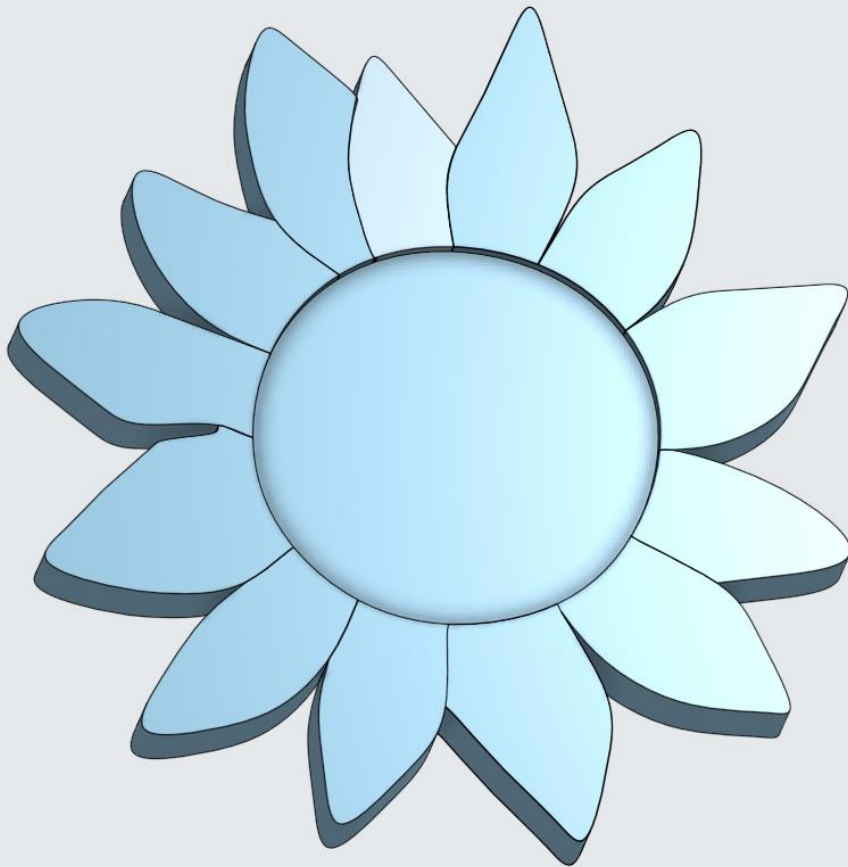




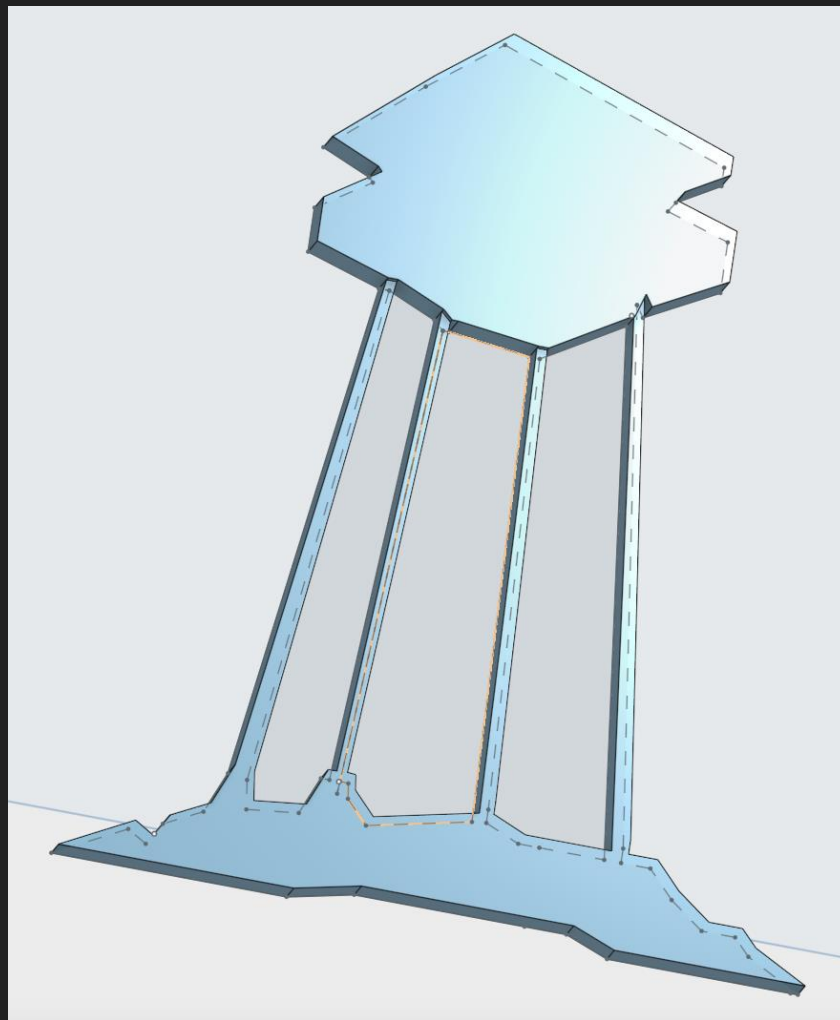
Ryan Coxon



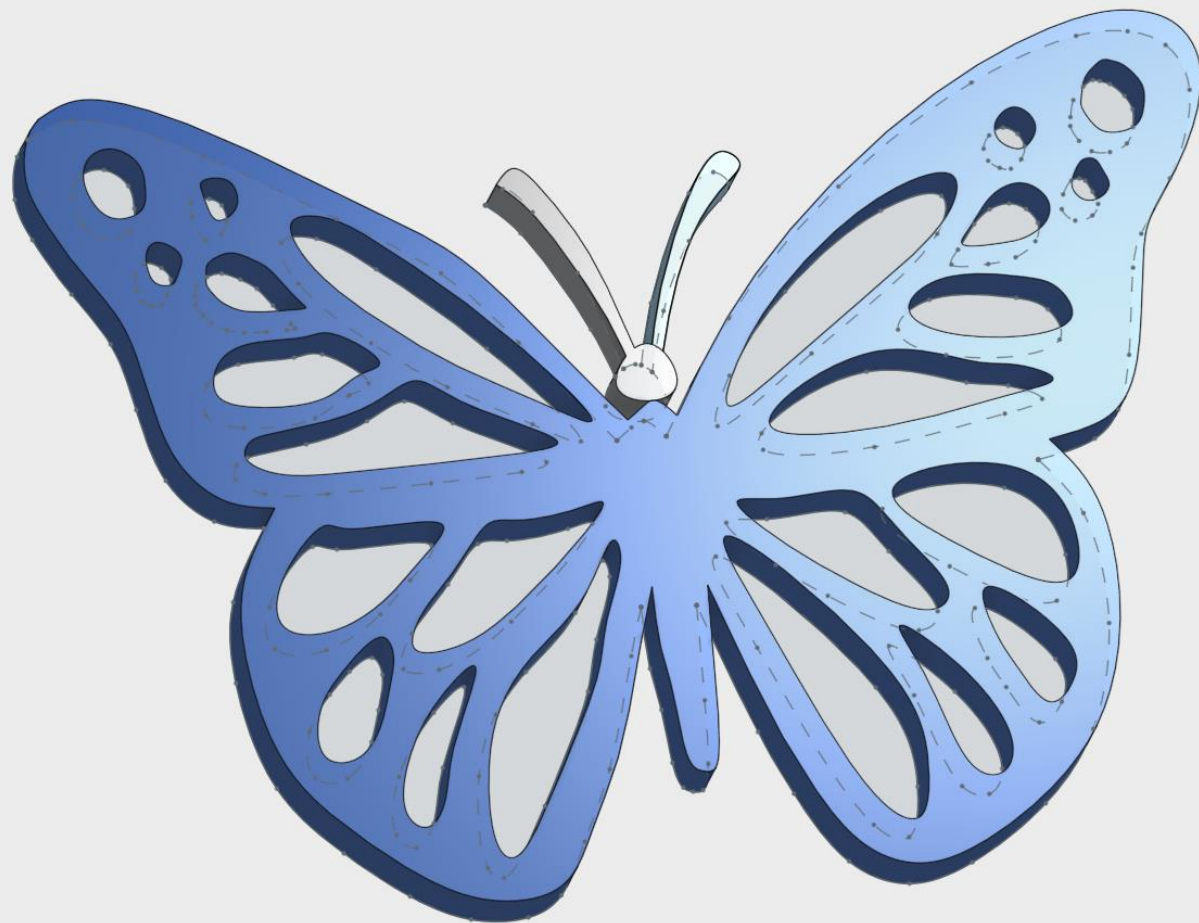
Ryan Coxon



Bella Andrus



Colin Samalus



Ava Reiter

Questions I would have as a BOE member...

- **It is in the cloud - is it safe for kids to use?**
 - *Yes - OnShape operates in our own Granby OnShape domain. It is CT state department of Ed approved.*
- **Are these skills relevant and can they lead to a career?**
 - *Yes - Onshape has free online training and minimal fee certification programs. Students can actually move on in their own learning beyond class.*
 - *OnShape was developed by same engineers that developed SolidWorks, so skills are easily transferable.*
- **Are you preparing students for college life?**
 - *UCONN, RIT, and MIT have made or are making the switch.*

Questions I would have...

- **Will this continue into high school?**
 - *Yes, students will keep their onshape accounts as they move through Granby. If all goes as planned, this will be used as the core design package for Tech Ed courses at the high school.*
- **Can students use this at home?**
 - *It will run on their chromebooks, although screen size is limiting. But with a mouse and connected monitor students are already starting to use it at home.*
- **Can students collaborate with each other?**
 - *Engineers and designers are using onshape around the world to engineer just about anything you can think of.*

Further questions???

*As always, thank you for
your continued support
and a wonderful 26 years
so far!*

*Also special thank you to
GPS Tech Department!*

