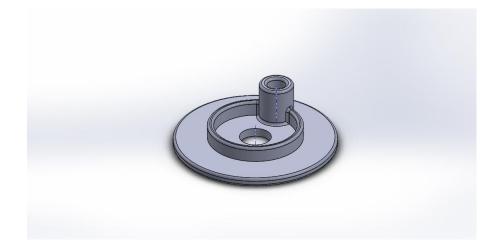
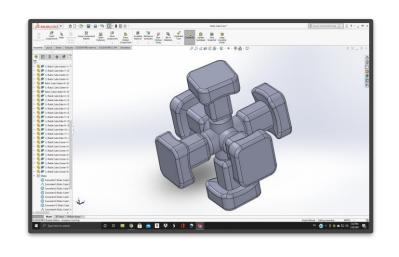


ENG 1 – Introduction to Engineering

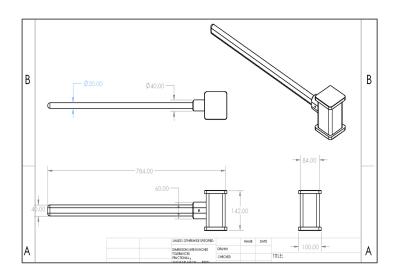
ENG 2 – Intermediate Engineering

ENG 3 – Advanced Engineering









Instructor: Frank Freedman Email: frank.freedman@lhusd.org













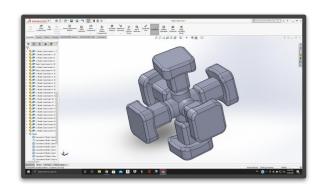
Goals of ENG Sequence ...

- Advanced skills in Computer Aided Drawing (CAD)
- SolidWorks Certification by end of Year 3

Certified SolidWorks Associate (CSWA): (Level 1 Certification in Industry Leading CAD Software)

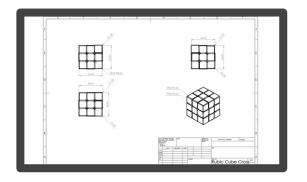


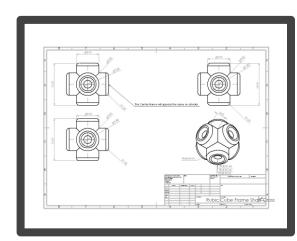


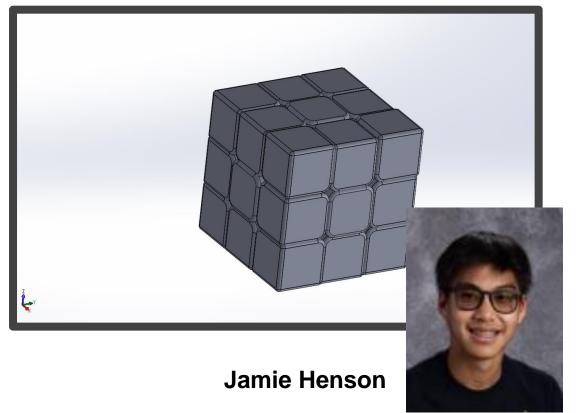


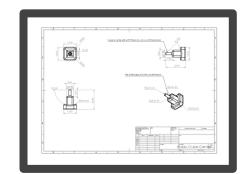
Solidwork's

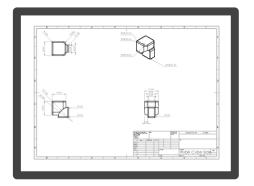
Rubik's Cube

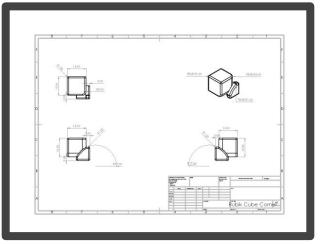






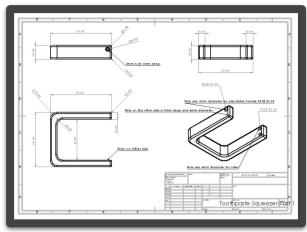


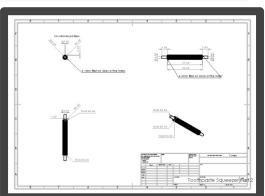


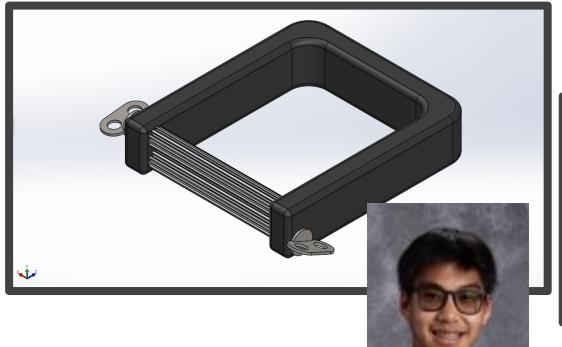


Toothpaste Squeezer

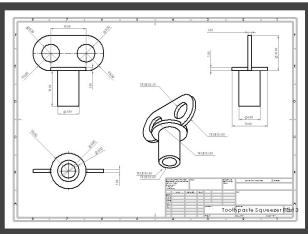
Ever had a hard time rolling your toothpaste? Well, you're in good hands. This toothpaste squeezer will not make any toothpaste go to waste. Just conveniently twist the handle and see the magic!!!





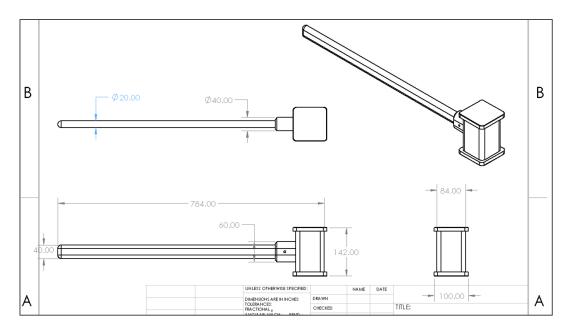


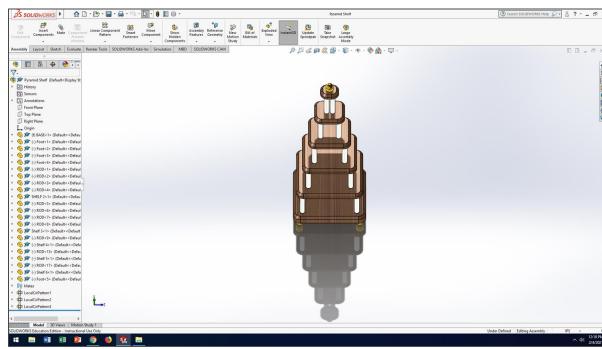
Jamie Henson







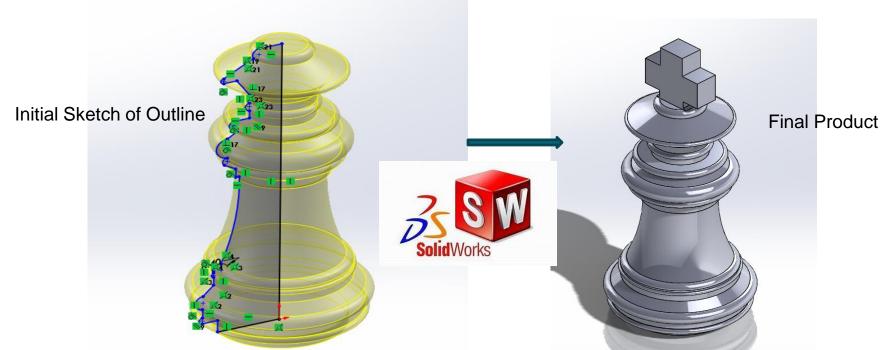






Aaron Miller

SOLIDWORKS Visualize Content



Lance Yearick

SOLIDWORKS Visualize Content







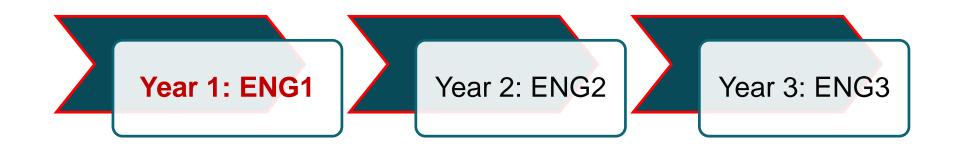
3D Printer: Dremel Digilab







How does the Engineering pathway work?



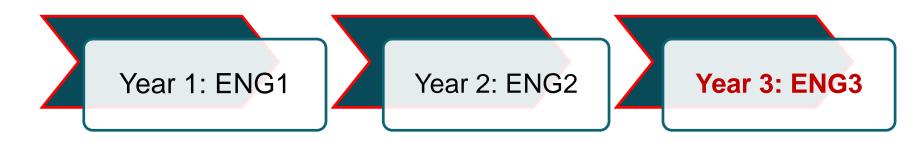
- Basic Engineering Concepts
- Calculations, Units, Dimensions
- Spreadsheets
- Introduction to Technical Drawing, Drafting & CAD
- Beginning SolidWorks Exercises

How does the Engineering pathway work?



- Advanced Engineering Concepts (Stress, Strain, Deformation)
 - Application to Designing Solid Parts and Assemblies
 - SolidWorks Projects of Increasing Complexity

How does the Engineering pathway work?



- Advanced SolidWorks Projects
- Student Directed w Teacher Support
- SolidWorks Certification Exam Preparation
- SolidWorks Certification Exam (Spring Semester)

Questions?

Contact information: Frank Freedman

Email: frank.freedman@lhusd.org

Courses: ENG 1 Intro to Engineering, ENG 2 Intermediate Engineering,

ENG 3 Advanced Engineering