

## Engineering Design Remote Learning Plan 2020

Hello All,

Welcome to these strange times. Hoping you are all following the safe distance/remain at residence requests by Sacramento County and that you and your family are healthy, safe, and comfortable. Doctors and scientists say that the *only* way we will stop this virus is through physical separation, so please take it to heart. As you have probably heard, we will not meet again until, at least, April 13. Since we can't use SolidWorks, this remote learning world we are now in gives us the opportunity to learn to design in a new software. I, too, will be taking these tutorials in Fusion 360 because I only used Fusion 360 for CAM (Computer Aided Manufacturing). We may be switching our program at some future date to Fusion 360 for our design as well. In any instance, it is always good to have proficiency in as many design software applications as possible. My request to you is that you get through as many of the tutorials as possible in our 'at home' time. From what I have seen so far, your SolidWorks knowledge translates to AutoDesk Fusion 360 fairly easily...you might even like it better. Do not skip the intro lessons, as they help familiarize you with file management, sharing, etc.

**\*Please email me as to whether your home computer can run the software\***

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Free access to software:

<http://www.autodesk.com/education>

If you have not done so at school, create a student account with Autodesk. Then go to the 'Free software' tab on the Education page and download Fusion 360 (Individual License). Confirm whether your computer is 32 or 64-bit before choosing download.

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Design Academy – Click on the 'LEARN' drop down menu and choose 'TAKE A COURSE'

We are going to be taking the 'Introduction to Mechanical Engineering Design and Manufacturing' course

<https://academy.autodesk.com/>

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Beginner design tutorials in Fusion 360

<https://academy.autodesk.com/course/137992/introduction-mechanical-engineering-design-and-manufacturing>