POE & Projects 2 Remote Learning Calendar - D. Larson

April 6 - 10

Quick Links: Google Classroom, MHS Remote Learning Hub, my.PLTW, & Larson Links Website

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Day	To Do	Resources
Monday	**Topic: my.pltw.org login/tour** ❏ Check your email for your PLTW username that I have sent to you. It shouldn't have changed since last year and your password should be the same as your MSD password ❏ Please reply to my email to let me know if you need me to reset your password. ❏ Once logged in, use the following sequence of clicks: Courses > Engineering > Principles of Engineering to get to our class. See the my.pltw.org intro video here to get an introduction to how to navigate the site. ❏ Be sure to make a note of your username and password, as we'll use this frequently. Also, you may want to bookmark the PLTW site in Chrome.	❏ Google Classroom ❏ my.pltw.org ❏ MSD gmail

Tuesday & Wednesday	**Topic: Statics**
	❏ Read and take notes *(yes, you will need a notebook for POE and Projects 2...hopefully you brought it home with you, but start a new one if you need to)* on The Study of Statics at my.pltw.org. You're welcome to use my video presentation of this content (available here on 4/7) or read it on your own.
	❏ Notes should include summaries, formulas, and examples of:
	  ❏ Newton's 1st, 2nd, and 3rd Law (including formulas)
	  ❏ Equilibrium (static, translational, and rotational)
	  ❏ Any of the blue/green Key Terms that you may not already have in your notes
	  ❏ Magnitude
	  ❏ Vector
	  ❏ Moment
	❏ When done, complete the Statics Review questions. Take a screenshot of your results and paste it into THIS STATICS REVIEW TEMPLATE. Turn in your completed document to Google Classroom by **Wednesday night @ 11:59 PM**.
		❏ Google Classroom
		❏ Statics Review Template
		❏ my.pltw.org

Wednesday	**Topic: Genius Hour** ❏ Complete the Genius Hour Planning Form (~30-35 minutes)	❏
Thursday	**Topic: Centroids** ❏ Review the slideshow on Centroids to remind yourself how to calculate centroids for rectangular, triangular, and semi-circle polygons. Also be sure to familiarize yourself with how to calculate centroids for more complex shapes. If you for some reason do not already have notes on these formulas, make sure they are in your notebook. ❏ Pay close attention to the **additive** and **subtractive** methods that	my.pltw.org

	are demonstrated, step-by-step. ❏ **STOP** when you reach the end of the subtractive method example where "*Common Structural Elements*" begins.	
Friday	**Topic: Centroids Practice** ❏ Centroid Practice: Open **MDSolids,** select "Animated Learning Tools" tab, and do both of the Centroids activities: ❏ The Centroids Game - Learning the Ropes ❏ The Centroids Game - Master of the Realm ❏ Use this 2.1.1 Centroids Game Template to paste your screenshots and turn in on Google Classro0m ❏ Here is a quick Centroids Game demo video if you need some help finding the Centroids Game	❏ POE notebook ❏ my.pltw.org ❏ MDSolids program on MHS laptop