**Unit 3 - Modeling with Geometry Project Resources**

\*\*Please Note: The links will take you to a webpage and you must click download on the webpage in order to view them.

**Project Based Learning Unit**

Got Milk [Rubric](http://jmullenrhs.pbworks.com/w/file/124214010/Got%20Milk_%20Rubric%20used%20S18.docx)

**Day 1 - Learning about 3D Nets and Shapes**

Geogebra Simulations - [Nets](https://www.geogebra.org/m/M5dZnUeH#material/DdwRSyGG) (click through all of pt 2 with the nets, there are 11 total)

[PDFs of nets](http://jmullenrhs.pbworks.com/w/page/121104018/Nets)

[3D shapes vocabulary practice.pdf](http://jmullenrhs.pbworks.com/w/file/121115308/3D%20shapes%20vocabulary%20practice.pdf)

[Nets Practice.pdf](http://jmullenrhs.pbworks.com/w/file/121101300/Nets%20Practice.pdf)

**Day 2 – Learning about Cross sections and 2D - 3D**

[Videos](https://learnzillion.com/lesson_plans/7269-predict-3d-results-of-rotating-simple-figures) for Cross Sections and Rotations - be sure to click on all 4 links at right

Geogebra link for [cross sections](https://www.geogebra.org/m/M5dZnUeH#chapter/75927)

[Cross-Section Text Book Notes.pdf](http://jmullenrhs.pbworks.com/w/file/121104078/Cross-Section%20Text%20Book%20Notes.pdf)

[Cross Section Practice.pdf](http://jmullenrhs.pbworks.com/w/file/121104072/Cross%20Section%20Practice.pdf)

[2D to 3D Rotations Practice.pdf](http://jmullenrhs.pbworks.com/w/file/121104069/2D%20to%203D%20Rotations%20Practice.pdf)

[HERE](https://www.asknumbers.com/CubicInchToOunce.aspx) is a nice conversion calculator and table for cubic inches to fluid ounces.

**Day 3 – Learning about Volume and Surface Area**

[Volume and Surface Area Notes and Practice.pdf](http://jmullenrhs.pbworks.com/w/file/121104153/Volume%20and%20Surface%20Area%20Notes%20and%20Practice.pdf)

More [Volume Practice](http://jmullenrhs.pbworks.com/w/file/121104156/Volume%20Pracice.pdf)

Notes Volume and SA [key](http://jmullenrhs.pbworks.com/w/file/124102068/M3%20SA%20and%20Volume%20notes%20key.pdf)

**Days 4 and 5- Geometry Modeling & Project Workdays**

Notes Geometry Modeling [key](http://jmullenrhs.pbworks.com/w/file/124102065/M3%20notes%20geom%20modeling%20key.pdf)

Below are the different tasks that are available for you to work through during these 2 project workdays.

Tasks - [small sheets](http://jmullenrhs.pbworks.com/w/file/124102053/Tasks%204%20to%20a%20page.docx) given in class

[Task\_ Hard as Nails.docx](http://jmullenrhs.pbworks.com/w/file/121190037/Task_%20Hard%20as%20Nails.docx)

[Task\_ A Golden Crown\_.docx](http://jmullenrhs.pbworks.com/w/file/121190034/Task_%20A%20Golden%20Crown_.docx)

[Warm-Up Best Size Cans.docx](http://jmullenrhs.pbworks.com/w/file/121190046/Warm-Up%20Best%20Size%20Cans.docx)

[Warm Up Task\_ Propane Tanks.docx](http://jmullenrhs.pbworks.com/w/file/121190043/Warm%20Up%20Task_%20Propane%20Tanks.docx)

[Task - Density of a Can.docx](http://jmullenrhs.pbworks.com/w/file/124102020/Task%20-%20Density%20of%20a%20Can.docx)

[Task - Aquariums.docx](http://jmullenrhs.pbworks.com/w/file/124102017/Task%20-%20Aquariums.docx)

[Warm-Up - Cone Task.docx](http://jmullenrhs.pbworks.com/w/file/124102026/Warm-Up%20-%20Cone%20Task.docx)