

3-D MODELING AND PRINTING

HEADING

Background

On-line Article- [How 3D Printing Will Change Your Engineering Degree.](http://studylink.com/blog/3d-printing-will-change-engineering-degree/)
(<http://studylink.com/blog/3d-printing-will-change-engineering-degree/>)

Challenge

3-D Design and 3-D print a small item you can use daily.

Final Requirements

1. Watch the Inventor Tutorial Videos and perform the Interactive Tutorials. (*Interactive Tutorials when you launch Inventor. 1. Create a 3D Model 2. Create a 3D Water Bottle 2. Place and Connect Parts 4. Import and Use 2D Data*)
2. 3-D model a given part and create a sheet layout with the orthographic views. Save the completed .ipt and .idw file in the G: DOSSIN/ 3-D MODELING BOOK PARTS Folder. Name your file, " **FIG 0.00- PART NAME- STUDENT LAST NAME**"
3. Create your own 3D model of an item you can use daily.
4. 3-D Print your item.
5. Upload your 3-D computer model to your portfolio with a Title and description of your design.

Schedule:

Monday	Tuesday	Wednesday	Thursday	Friday
9 th Tutorials	10 th Tutorials	11 th Model given part	12 th Model given part	13 th Model given part
16 th Model given part	17 th Design part	18 th Design part	19 th Design part	20 th Design part
23 rd 3D Print Part	24 th 3D Print Part	25 th 3D Print Part	26 th	27 th