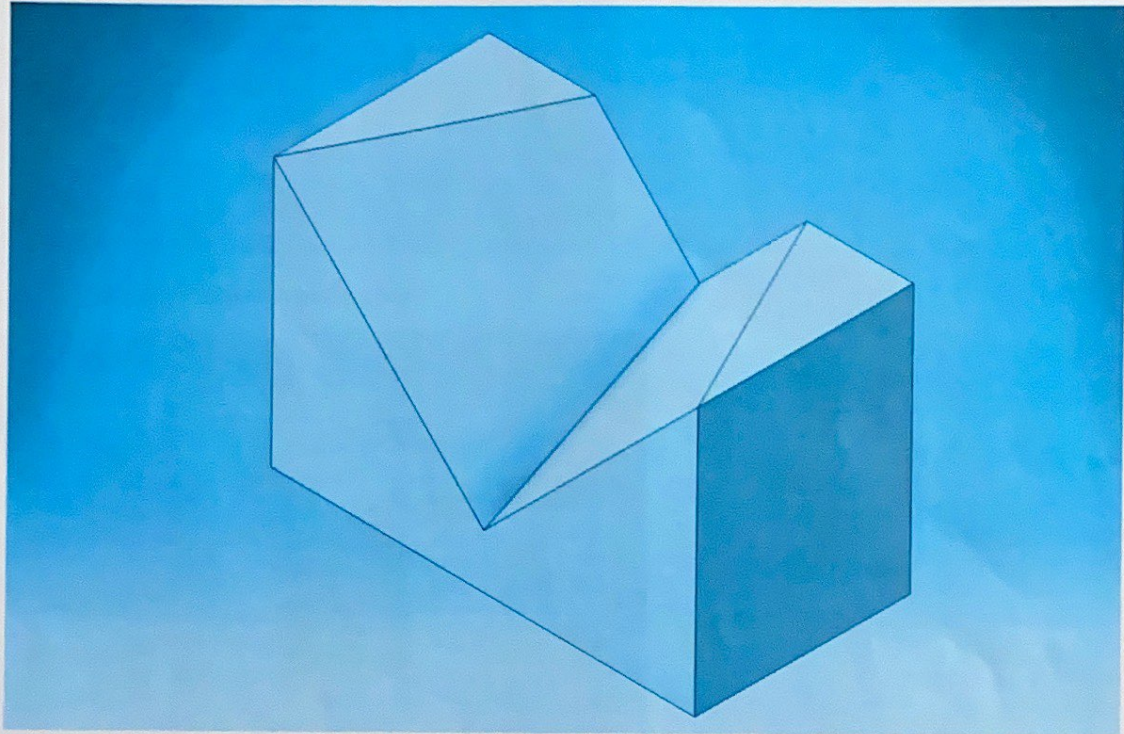


# Model Creation Project



Keyur Rana

1/24/17

IED-KJR-52DPT-11

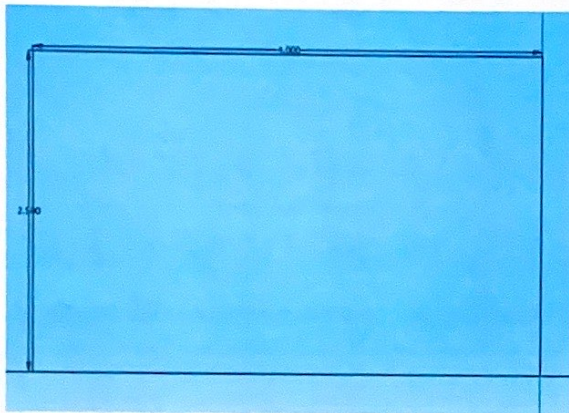
Passaic County Technical Institute



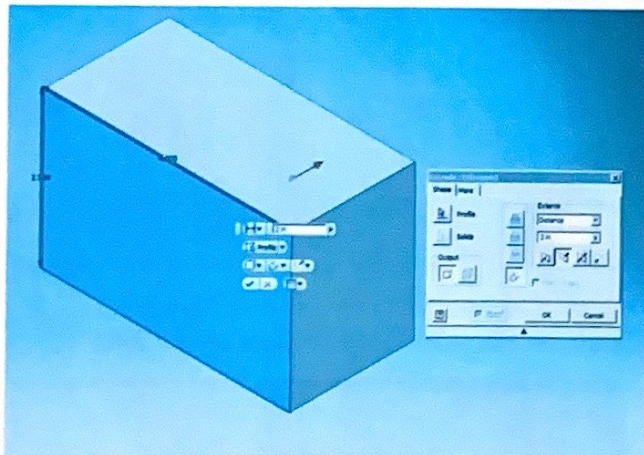
## Introduction

Using the Autodesk Inventor, follow these steps to create the piece above.

1. Place a 2D sketch on XY plane. Create a rectangle. Dimension it the same as it is shown below.

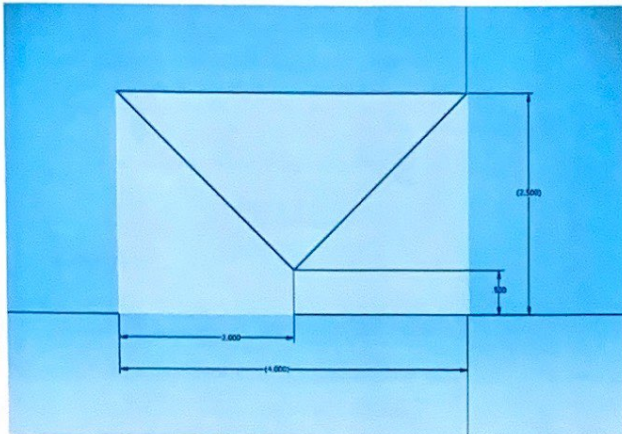


2. Extrude the sketch to 2 inches.

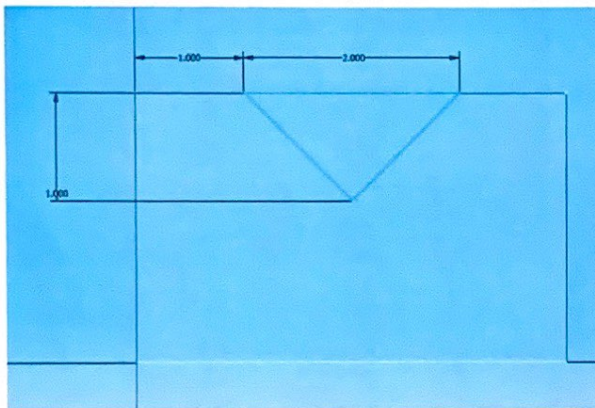


3. Create another 2D sketch on the front side of the block. Make a triangle with these dimensions as shown.

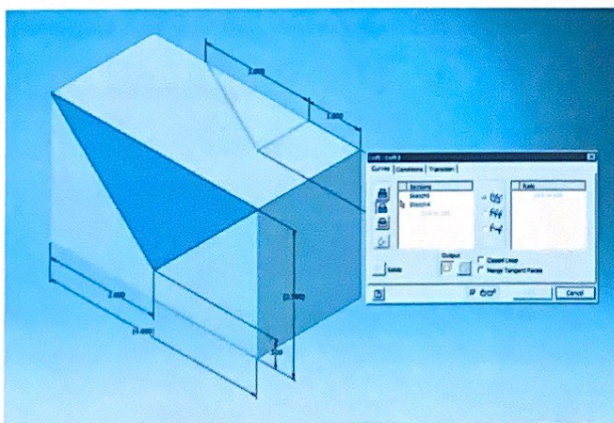




4. Create 2D sketch once more on the backside of the block. Use these dimensions as shown

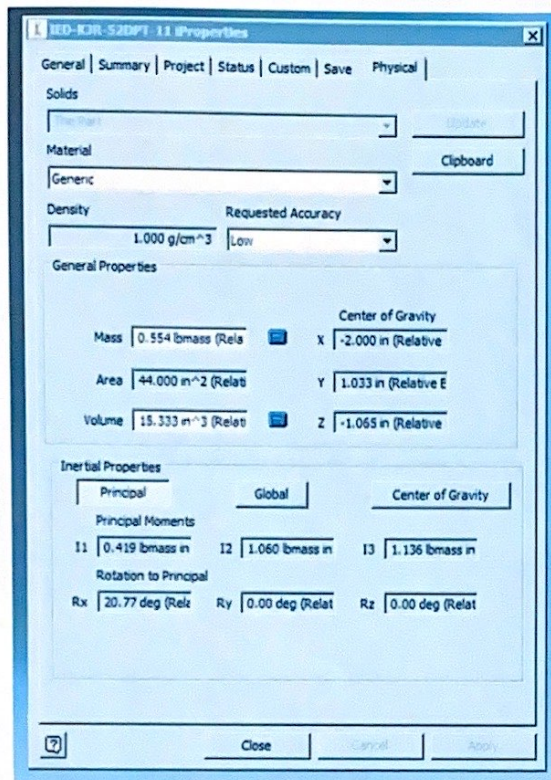


5. Use the loft tool. Select the back and the front side sketches of the block. Select the cut feature. Click "Ok" to apply.



6. Click on iProperties menu, go on the physical tab and click update.





### Conclusion -

I think writing directions on this was easy. Just needed to add little details because I was missing a crucial part like create a rectangle. Overall it was easy. Grading my partner's was not bad, just the dimensions were wrong. It was clear to read their directions. There was way to many details and I told them to make it simple.