





(30 pts) Approx. 3 days

The first part of our project is an introduction to some simple kinds of sketching. Throughout the year as you design solutions to various problems you'll need to be able to sketch out what your ideas are. The sketching strategies and tools we'll learn in the first part of our unit will be great ways of documenting our work and planning out projects. This first part of the unit requires that you do the following in your engineering notebook:

1. Start by watching the sketching overview. This will briefly introduce our first three methods of sketching, and let you know what's coming up. Start a page of notes here, and then continue those notes as you watch the remaining tutorials for concept, oblique, and isometric sketching.
2. Watch each sketching tutorial and add to your notes. Once you feel comfortable with each type of sketching, find the suggested objects and make careful sketches in your engineering notebook using the proper sketching method.
3. Concept sketching comes first: watch the tutorial video then create a concept sketch of a *stapler*. Then find two other objects that would be good for concept sketching and make those sketches too.
4. Oblique sketching comes second: watch the tutorial video then create an oblique sketch of a *calculator*. Then find two other objects that would be good for oblique sketching and make those sketches too.
5. Isometric sketching comes last: watch the tutorial video then create an isometric sketch of a *puzzle cube piece*. Find two more objects that would be good for isometric sketches. Make sure you use isometric graph paper for your isometric sketches.
6. Have Mr. Benshoof *approve your 9 sketches!*

Part 1: Tasks	6-5 points	4-3 points	2-1-0 points
 Sketching Notes	+ You wrote at least a full page of notes on sketching and sketching techniques	- You missed one of the sketching styles in your notes	- Notes are missing multiple styles - Notes are missing
	8-5 points	4-3 points	2-1-0 points
 Concept Sketches	+ Your Concept Sketches use the correct sketching style + All 3 concept sketches are complete in your notebook	- Sketches are sloppy or on the wrong graph paper - Only 2 sketches complete	- Sketches are missing multiple parts - Only 1 or 0 sketches are complete
 Oblique Sketches	+ Your Concept Sketches use the correct sketching style + All 3 concept sketches are complete in your notebook	- Sketches are sloppy or on the wrong graph paper - Only 2 sketches complete	- Sketches are missing multiple parts - Only 1 or 0 sketches are complete
 Isometric Sketches	+ Your Concept Sketches use the correct sketching style + All 3 concept sketches are complete in your notebook	- Sketches are sloppy or on the wrong graph paper - Only 2 sketches complete	- Sketches are missing multiple parts - Only 1 or 0 sketches are complete

