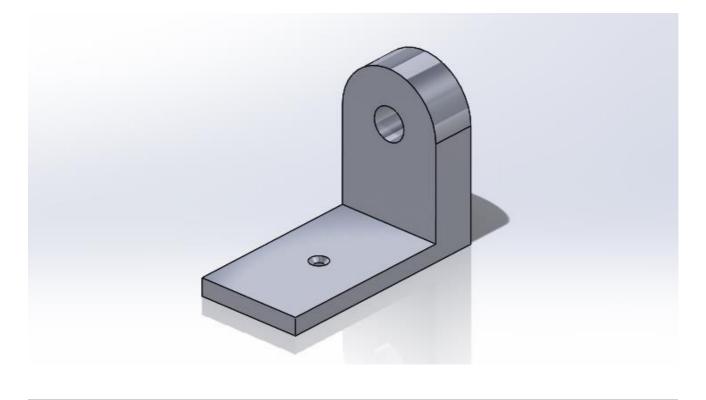
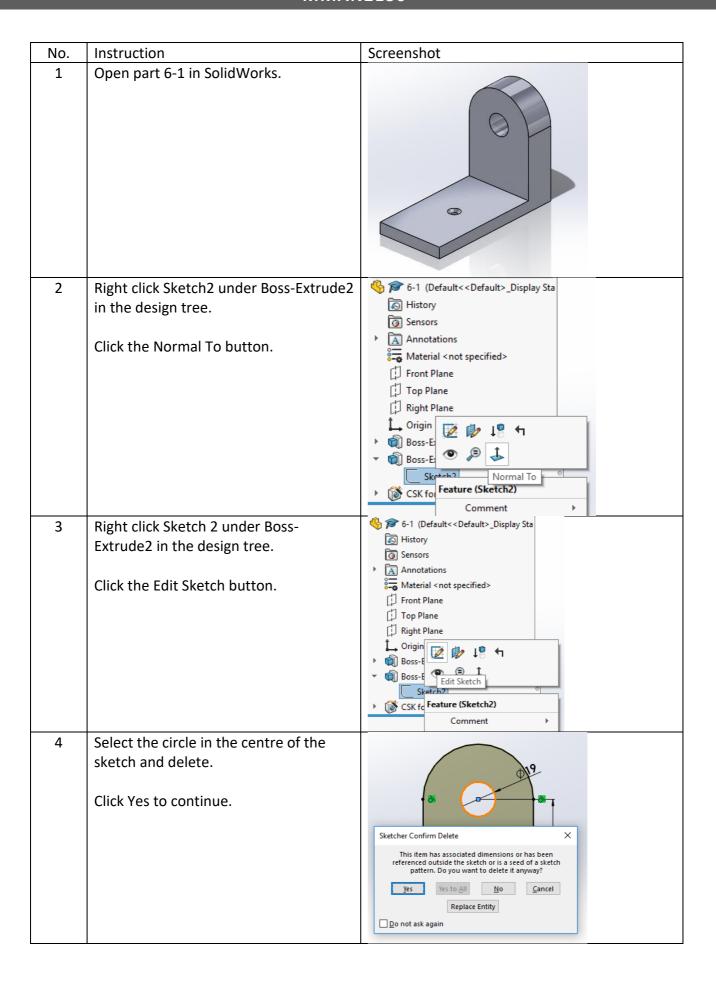
6 – ADVANCED ASSEMBLY AND BILL OF MATERIALS

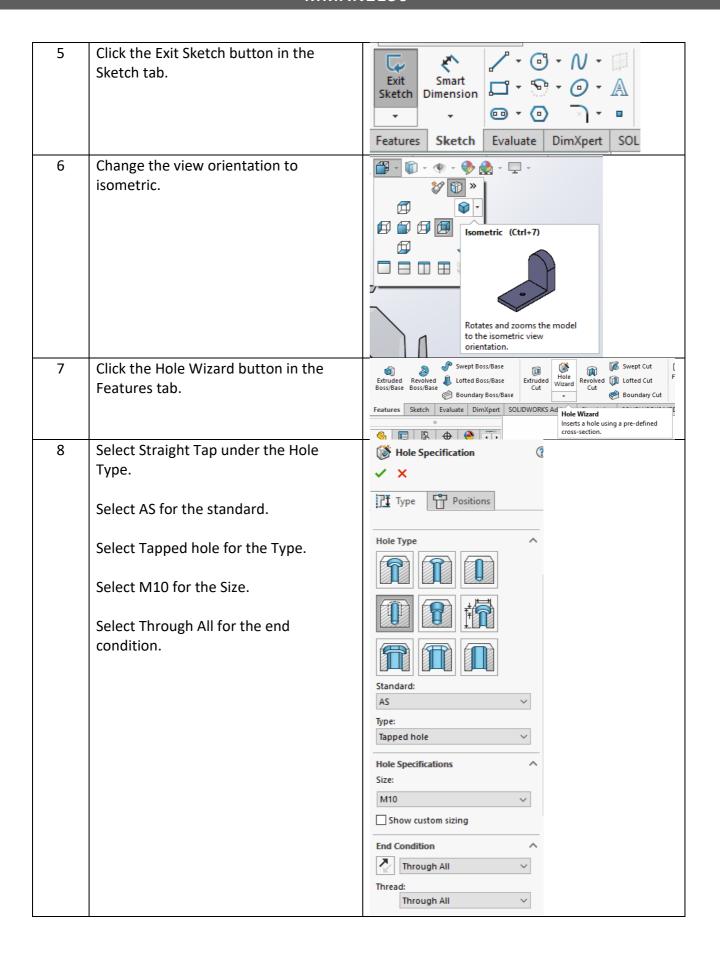
By following this tutorial, you will learn how to:

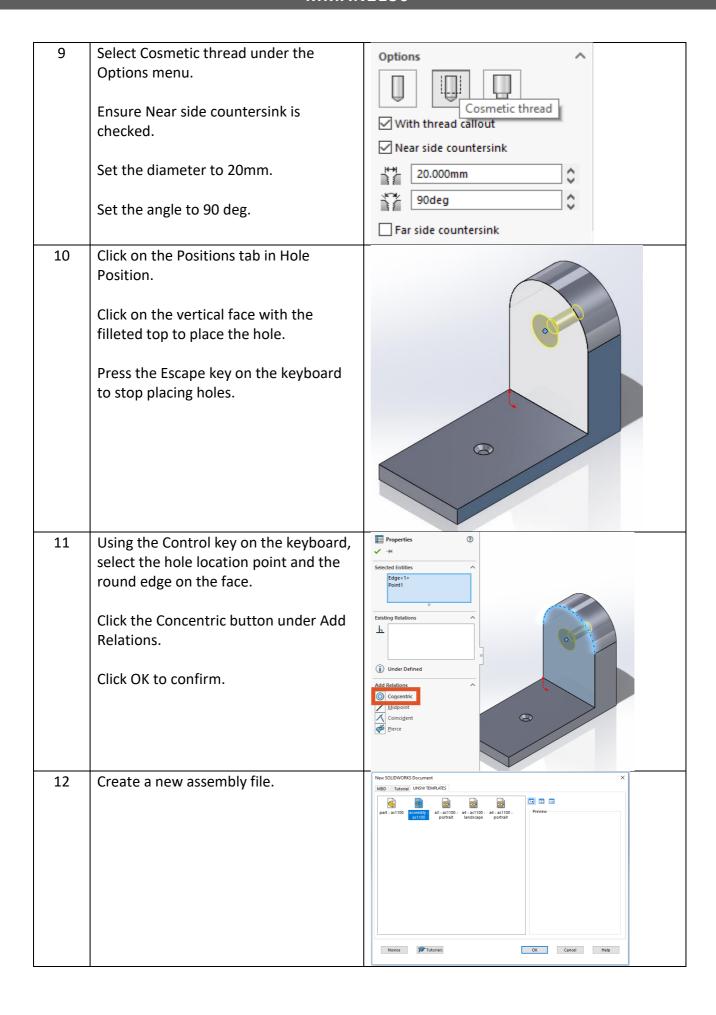
- 1. Insert standard components using the Toolbox
- 2. Insert an exploded pictorial view in drawing
- 3. Use the balloon tool and create a Bill of Materials table

For the purpose of this handout, please download "6-1.SLDPRT" to be used in this tutorial.

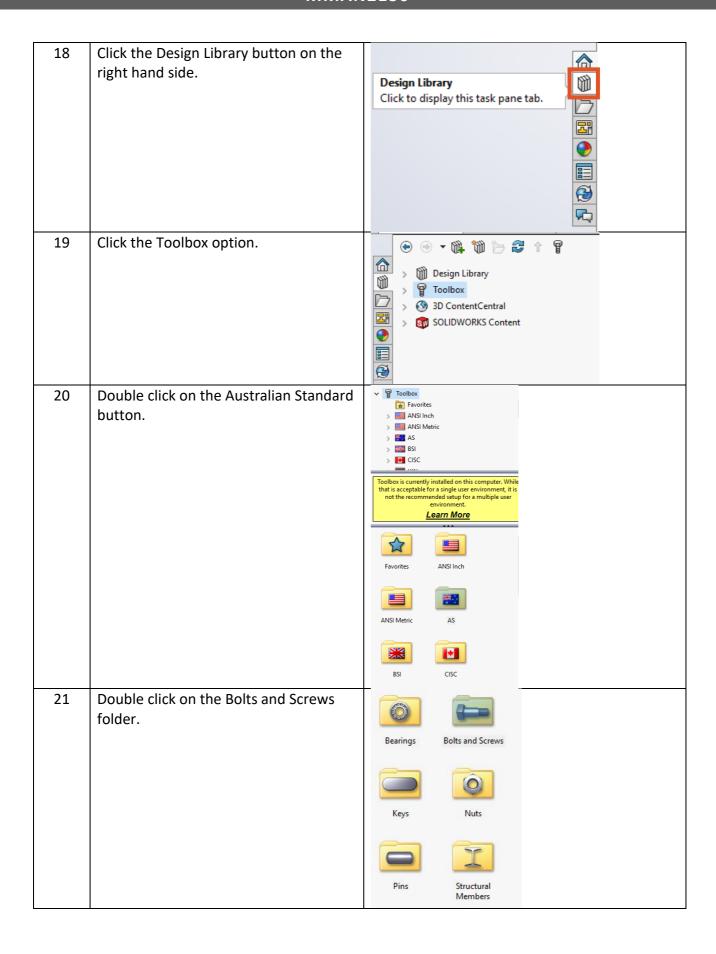




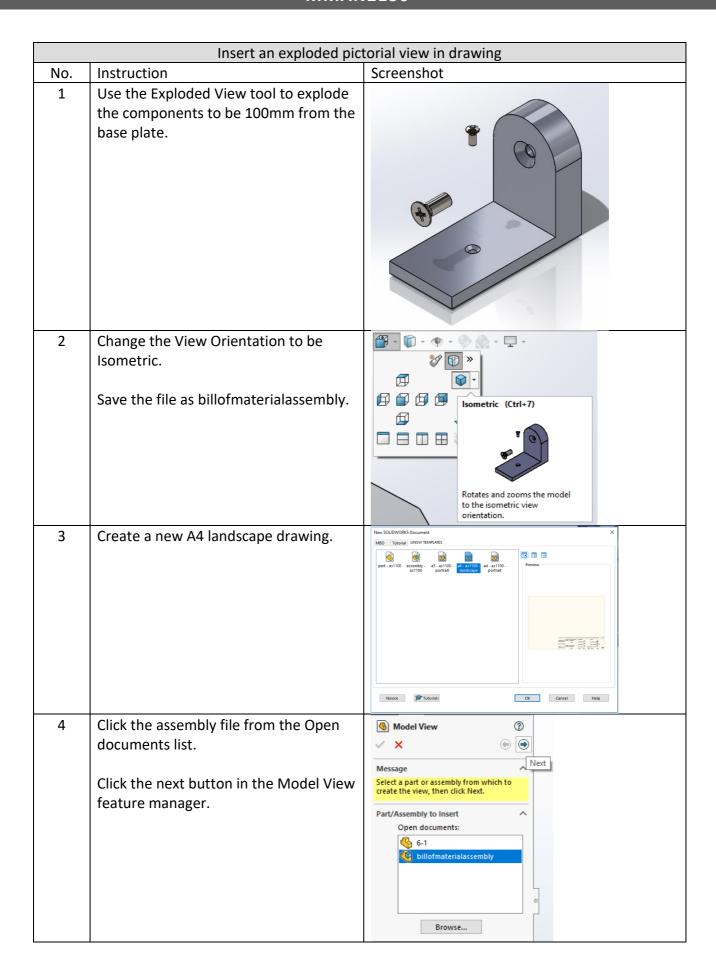


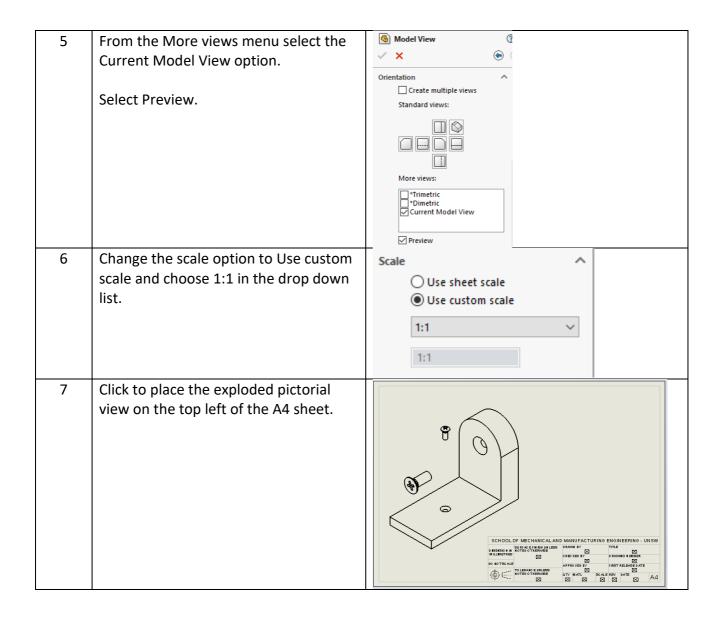


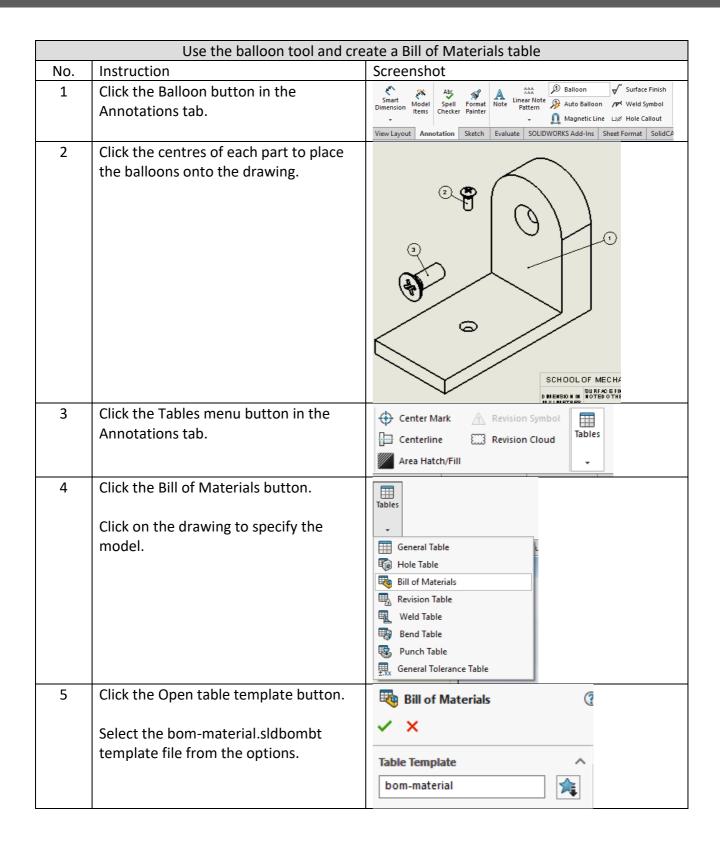
| 13 | Click the part 6-1 in the Open documents list and place the model into the graphics model. | |
|----|---|--|
| 14 | Click the Smart Fasteners button in the Assembly tab. Click OK to continue. | Insert Component Component Component Pattern Fasteners Assembly Layout Sketch Evaluate SOLIDWORKS Add-Ins Simulation SOLIDW |
| 15 | Ensure the Selection box is highlighted blue. Click the CSK M5 hole in the base feature of the part. | + |
| 16 | Click the Add button. | Smart Fasteners |
| 17 | Click OK to confirm. | |



| 22 | Double click the Machine Screws (Countersunk) folder. | Hex Head Machine Screws Machine Screws (Countersunk) Self Tapping Screws Screws Set Screw (Socket) Socket Head Screws |
|----|--|--|
| 23 | Click and drag the Cross Countersunk Head Screw icon into the graphic area. | cross countersunk head screw_as.sldprt Cross Countersunk Head Screw AS/ NZS 1427 Raised Slotted Countersunk Hea Slotted Countersunk Hea |
| 24 | Change the Size to M10. Change the Length to 25. Click OK to confirm. Click Cancel to exit from Insert Component. | Size: M10 V |
| 25 | Mate the fastener to the hole as shown. | |







Click to place the Bill of Materials in the bottom right corner of the sheet.

7 Modify the BOM table to conform to the standards.

