

CAD / CNC SCORE SHEET

Name _____

Activity 1 CAD/CNC questions		25
Activity 2 Measurement		30
Activity 3 Getting started with AD Inventor Work though the video tutorial lessons. You will need to show the instructor the snips of your different parts. Snip 1 Correct folder set up ____ / 7 Snip 2 triangle shape ____ / 7 Snip 3 extruded rod part ____ / 7 Snip 4 three rectangles extruded ____ / 7 Snip 5 solid bodies ____ / 7		35
Activity 4 Complete drawings Drawing1 Bolt Bolt is made with correct dimensions and angles. Extruded properly to correct thickness. Fillet tools used around the bolt corners. Snip ____ / 12 Drawing2 Paperclip Paperclip has correct dimensions and looks like a paperclip. Arc tool used to create curved edges. Sweeping technique used to perform paperclip thickness. Snip ____ / 12 Drawing3 Chamfer and fillet (mock stairs) Mock stairs with correct angles and line lengths. Chamfer and fillet applied in the correct places. Snip ____ / 12 Drawing4 Text on a flat surface Text drawn on a rectangle flat surface. Text is raised, below, or cut through the work piece (rectangle) Text is an appropriate size to fill the work piece. Snip ____ / 12 Drawing5 Thumbtack Your part looks like the sample and pieces of your thumbtack are proportional to the sample or the video tutorial. Drawing is complete with tack. Revolve tool used to create the 3-D model. Snip ____ / 12		60
Activity 5 Design and production of your own part. Production of your own part. Grading will be somewhat subjective on this activity. Things I will be looking for. Complexity and strength of design. Finished product. Your part is proportional. Follow suggestions in the activity 5 directions for best results. Your file must be exported as a .stl file to a flash drive to be produced.		50
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