

<p>Objectives</p>	<p>Upon completion of this lesson students should be able to:</p> <p>A. Design parts for manufacturing processes.</p> <p>B. Alter entities using the CHAMFER, BREAK, FILLET, OFFSET, and MLINE commands.</p> <p>C. Apply the CHANGE, MOVE, COPY, and MIRROR commands.</p> <p>D. Create rectangular and polar arrays.</p> <p>E. Modify entities by using the STRETCH, SCALE, ROTATE, TRIM, EXTEND, and LENGTHEN commands.</p> <p>F. Apply the TRACE, SOLID, and FILL commands.</p> <p>G. Apply polylines and spline curves.</p>
<p>Materials</p>	<ul style="list-style-type: none"> • Computers • AutoCAD software • Internet access
<p>Procedures</p>	<p>A. Using 12seconds.tv clip to show examples of AutoCAD applications in manufacturing.</p> <p>B. Have students download “part” to be worked with.</p> <p>C. Using CHAMFER, BREAK, FILLET, OFFSET, and MLINE commands have students alter the entity.</p> <p>D. Using CHANGE, MOVE, COPY, and MIRROR commands and have students apply these to the part.</p> <p>E. Have students create rectangular and polar arrays for the part.</p> <p>F. Using the STRETCH, SCALE, ROTATE, TRIM, EXTEND, and LENGTHEN commands have students modify the part.</p> <p>G. Have the students apply the TRACE, SOLID, and FILL commands.</p> <p>H. Have the students apply polylines and spline curves</p>
<p>Evaluations</p>	<ol style="list-style-type: none"> 1. Was there enough time for the students? 2. Did students have enough information?

