



# LEGO PROJECT

\_3 Views and Isometric (using the ellipse template)

| <b>FOLLOW THE STEPS BELOW:</b> |   |
|--------------------------------|---|
| 1                              | Select <b>5 unique</b> LEGO blocks.   |
| 2                              | Create an <u>OBJECT</u> using <b>multiple</b> copies of each of the 5 pieces you originally selected. <i>(this means your final creation <b>could</b> contain 30 pieces – but <b>ONLY 5</b> unique block types will be used).</i> |
| 3                              | <b>Assemble and photograph</b> your creation <i>(also photograph each of the original 5 block types).</i>   |
| 4                              | <b>SKETCH (freehand draw)</b> the <b>TOP, FRONT, and RIGHT SIDE VIEW</b> of each of the 5 original blocks.  |
| 5                              | <b>Measure and record the dimensions</b> needed to DRAFT (using drafting equipment) these views.  |
| 6                              | <b>Draft the FRONT, TOP, and RIGHT SIDE VIEW</b> <i>(make sure views are located in the correct place – lined up with each other).</i> <b><u>ASK TEACHER TO REVIEW THIS PROCEDURE.</u></b>  |
| 7                              | <b>Draw ISOMETRIC</b> of each block (this will be placed on the same paper as the 3 views – locate isometric in the upper right hand quadrant of the paper).  |
| 8                              | <b>Draw an isometric of YOUR <u>FINAL CREATION</u></b> (separate sheet of paper).   |

| <b>The following will be turned in to be graded:</b> |  |
|--|--|
| •  | <b>5 sheets = 1 sheet per unique block</b> (each containing FRONT, TOP, and RIGHT SIDE VIEW + ISOMETRIC) |
| •  | <b>1 sheet = YOUR FINAL CREATION IN AN ISOMETRIC VIEW</b>  |
| •  | Original freehand sketches used when measuring blocks (should contain dimensions)                        |