

## Design Thinking Rubric

Category	4	3	2	1
<b>Content Connection</b>	<p>*Student clearly <b>identifies</b> the <b>topic</b> currently being taught in class.</p> <p>*Student clearly <b>explains</b> how the problem connects to the content.</p> <p>*Students clearly <b>explains</b> how the content connects/relates to the "real-world" and provides an <b>example</b>.</p>	Missing <b>one</b> of the criteria from <b>category 4</b> .	Missing <b>two</b> of the criteria from <b>category 4</b> .	Missing <b>three</b> of the criteria from <b>category 4</b> . <b>OR</b> Does not attempt to answer. <b>OR</b> The response is not related.
<b>Personal Connection</b>	<p>*Student <b>draws</b> a picture</p> <p>* <b>Explains</b> how the picture relates to the content.</p>	Missing <b>one</b> of the criteria from <b>category 4</b> .	Missing <b>two</b> of the criteria from <b>category 4</b> .	Does not attempt to answer. <b>OR</b> The response is not related.
<b>Ask</b>	<p>*Student clearly <b>states</b> the problem in their own words.</p> <p>*Students clearly <b>lists</b> all <b>constraints</b>.</p> <p>*Student <b>lists</b> all <b>materials</b> available and provides an <b>explanation</b> for their use.</p> <p>*Student <b>lists</b> all information/ideas gained through <b>research</b>.</p>	Missing <b>one</b> of the criteria from <b>category 4</b> .	Missing <b>two</b> of the criteria from <b>category 4</b> .	Missing <b>three or more</b> of the criteria from <b>category 4</b> . <b>OR</b> Does not attempt to answer. <b>OR</b> The response is not related.
<b>Imagine</b>	<p>*Student lists a minimum of <b>two possible solutions</b>.</p> <p>*Each solution listed has a <b>related Pro</b>.</p> <p>*Each solution listed has a <b>related Con</b>.</p>	Missing <b>one</b> of the criteria from <b>category 4</b> .	Missing <b>two</b> of the criteria from <b>category 4</b> .	Missing <b>three</b> of the criteria from <b>category 4</b> . <b>OR</b> Does not attempt to answer. <b>OR</b> The response is not related.

<p><b>Plan</b></p>	<p>*Student provides a clear <b>explanation/description</b> of their <b>blueprint</b>.</p> <p>*Student has a <b>blueprint/drawing</b> of their plan and is <b>labeled</b>.</p> <p>*Student <b>lists</b> the <b>materials</b> they plan to use that are evident in their drawing.</p>	<p>Missing <b>one</b> of the criteria from <b>category 4</b>.</p>	<p>Missing <b>two</b> of the criteria from <b>category 4</b>.</p>	<p>Missing <b>three</b> of the criteria from <b>category 4</b>.  <b>OR</b>  Does not attempt to answer.  <b>OR</b>  The response is not related.</p>
<p><b>Create</b></p>	<p>*Student provides a <b>sketch</b> of their <b>FIRST actual model</b> (may differ from blueprint)with <b>labels</b>.</p> <p>*Student provides the <b>results</b> after their <b>first test</b>.</p> <p>*Student <b>lists</b> what needs to <b>improve</b>.</p> <p>*Student provides a <b>reason</b> for each necessary <b>improvement</b>.</p>	<p>Missing <b>one</b> of the criteria from <b>category 4</b>.</p>	<p>Missing <b>two</b> of the criteria from <b>category 4</b>.</p>	<p>Missing <b>three or more</b> of the criteria from <b>category 4</b>.  <b>OR</b>  Does not attempt to answer.  <b>OR</b>  The response is not related.</p>
<p><b>Improve</b></p>	<p>*Student lists a <b>minimum of three improvements</b> that were made from their initial model.</p> <p>*Student lists the <b>results</b> of <b>each improvement</b>.</p> <p>*Student <b>explains</b> what still <b>needs to improve</b> after their test of the improvement.</p>	<p>Missing <b>one</b> of the criteria from <b>category 4</b>.</p>	<p>Missing <b>two</b> of the criteria from <b>category 4</b>.</p>	<p>Missing <b>three</b> of the criteria from <b>category 4</b>.  <b>OR</b>  Does not attempt to answer.  <b>OR</b>  The response is not related.</p>
<p><b>Final Results</b></p>	<p>*Students provide a <b>sketch</b> of their <b>final solution</b>.</p> <p>*Students <b>explain</b> their <b>results</b> of the final solution.</p> <p>*Students <b>identify</b> if their model was <b>successful</b>.</p>	<p>Missing <b>one</b> of the criteria from <b>category 4</b>.</p>	<p>Missing <b>two</b> of the criteria from <b>category 4</b>.</p>	<p>Missing <b>three</b> of the criteria from <b>category 4</b>.  <b>OR</b>  Does not attempt to answer.  <b>OR</b>  The response is not related.</p>
<p><b>Reflection</b></p>	<p>*Students answer all four reflection questions in <b>complete sentences</b>.</p> <p>*Students <b>answer</b> all four questions <b>clearly</b>.</p> <p>*Students <b>answer all parts</b> of <b>all four questions</b>.</p> <p>*Students demonstrate <b>reflection in answers</b>.</p>	<p>Missing <b>one</b> of the criteria from <b>category 4</b>.</p>	<p>Missing <b>two</b> of the criteria from <b>category 4</b>.</p>	<p>Missing <b>three or more</b> of the criteria from <b>category 4</b>.  <b>OR</b>  Does not attempt to answer.  <b>OR</b>  The response is not related.</p>

<p><b>Content Connection Venn Diagram</b></p>	<p>*Students recorded three items in each Venn Diagram half and a minimum of one in the center</p>	<p>Missing <b>one</b> of the criteria from <b>category 4.</b></p>	<p>Missing <b>two</b> of the criteria from <b>category 4.</b></p>	<p>Missing <b>three or more</b> of the criteria from <b>category 4.</b>  <b>OR</b>  Does not attempt to answer.  <b>OR</b>  The response is not related.</p>
<p><b>Content Connection Claim, Evidence, Reasoning</b></p>	<p>*Students adequately <b>states the Claim.</b>  *Students provides at a minimum of <b>three</b> pieces of <b>Evidence</b> to support Claim.  *Students provide Reasoning for <b>each</b> item of <b>evidence</b></p>	<p>Missing <b>one</b> of the criteria from <b>category 4.</b></p>	<p>Missing <b>two</b> of the criteria from <b>category 4.</b></p>	<p>Missing <b>three or more</b> of the criteria from <b>category 4.</b>  <b>OR</b>  Does not attempt to answer.  <b>OR</b>  The response is not related.</p>