

## Rubric for Build a Chair

Student Name \_\_\_\_\_

Category	4	3	2	1
Brainstorm	Student brainstormed several chair designs and then explained their positive or negative characteristics.	Student brainstormed several chair designs, but could vaguely describe positive and negative characteristics of their designs.	Student brainstormed several ideas, but could not explain the positive and negative characteristics of their designs.	Student only came up with one idea.
Imagine, Plan & Improve	Student had a detailed design plan that included at least one drawing with labeled parts.  Student performed at least two sets of tests and altered their design based on the tests.	Student had a design plan that included at least one drawing and a written description.  Student tested the chair and altered their design based on the tests.	Student had a rough design plan.  Student tested, but did not make changes based on the tests.	Student did not have a design plan.  Student did not test.
Create	Great care was taken in the construction process.	Construction was careful and the student accurately followed the plans.	Construction was careful and followed the plans somewhat.	Construction appears careless or haphazard. Many details need refinement for a strong product.
Share  Sharing can be written and/or oral.	Written: Journal provides a complete record of planning, construction, testing, modifications, and reasons for modifications.	Written: Several entries are made. The journal provides quite a bit of detail about planning, construction, testing, and modifications.	Written: Several entries have been made and most of the entries are dated and neatly entered.  Oral: Student was able	Written: Few entries are made AND/OR many entries are not dated or very difficult to read. The journal provides very little detail about the design

	<p>Oral: Student was able to describe several of their chair's features and/or their design process.</p>	<p>Written: Several entries have been made and most of the entries are dated and neatly entered.</p> <p>Oral: Student was able to describe several of their chair's features and/or their design process.</p>	<p>to describe one feature of their chair or their design process.</p>	<p>process.</p> <p>Oral: No sharing was done.</p>
<p>Mechanism Meets the Challenges</p> <p>Challenges</p> <ul style="list-style-type: none"> <li>- The chair is sturdy.</li> <li>- The chair supports the stuffed animal.</li> </ul>	<p>The chair is sturdy and is able to support the stuffed animal or model.</p>	<p>Chair is complete and meets one of the challenges.</p>	<p>Chair is complete, but does meet any of the challenges.</p>	<p>The chair was not complete.</p>