

## **Decision Matrix Worksheet**

Name: \_\_\_\_\_

Fill in your design requirements and the names for your possible solutions. Then use a numeric evaluation scale to rate each solution against each of the requirements and criteria (2 = totally meets the requirements, 1 = somewhat meets the requirements, 0 = does not meet the requirements). Total up the columns to see which solution is best.

Design Requirements and Criteria	Solution #1:	Solution #2:	Solution #3:	Solution #4:
Your requirement #1:				
Tour requirement #1.				
Your requirement #2:				
Your requirement #3:				
Your requirement #4:				
Other criteria:				
Lump together a single rating for your own				
"nice-to-have," desirable criteria and				
universal design criteria, such as:				
Elegance				
Is the solution simple, clever, or ingenious?				
<b>Robustness</b> Is the solution sturdy, resilient, and unlikely to fail?				
Aesthetics				
Is the solution tasteful and pleasing to look at?				
Cost&Resources				
Do you have or can you get the materials you need? <b>Time</b>				
Do have time to make the solution and debug it?				
SkillRequired				
Do you have the skills to make the solution?				
<b>Safety</b> Is the solution safe to build, use, store, and dispose of?				
Total Points				

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