

MLW Workbook Braining Storming-Shaping

<p>Creative Thinking</p>	<p>Lots of ideas, thoughts. Can use various techniques such as Brainstorming, Brain writing, and morphological thinking.</p>
<p>Brainstorming</p>	<p>Brainstorming ... A systematic effort and disciplined practice to produce ideas in a group. Create an un-inhibiting environment that would encourage imaginative ideas and thoughts. The usual method is to have a small group discuss a problem. ideas are offered by participants one at a time. one member records ideas and suggestions on a chart or white board. All withhold judgment. After the brainstorming session, the various ideas and suggestions are reviewed and evaluated and the group agrees on a final resolution.</p> <p>Rule 1: Postpone and withhold your judgment of ideas Rule 2: Encourage wild and exaggerated ideas Rule 3: Quantity counts at this stage, not quality Rule 4: Build on the ideas put forward by others Rule 5: Every person and every idea has equal worth</p>
<p>Shaping</p>	<p>Shaping is a method of sorting the Brainstorming ideas into three buckets. The tree buckets are Mundane, Stretch, and Magical ideas. We look at each idea and put it in a bucket. We then see if we can modify the Mundane and Magical ideas into Stretch ideas.</p>

MLW Workbook Braining Storming-Shaping

<p>Examples</p>	<p style="text-align: center;">Shaping Ideas</p> <p style="text-align: center;">Why generate crazy ideas?</p> <p style="text-align: center;">So you can shape them into innovative ideas!</p> <p style="text-align: center;">Leaves falling on the lawn...</p> <div style="display: flex; justify-content: space-around; align-items: center;"><div style="text-align: center;"><p>Use a leaf blower</p><p>I</p><p>Olin College</p></div><div style="text-align: center;"><p>[Dashed Box]</p><p>!?</p><p>www.engineeringlens.org</p></div><div style="text-align: center;"><p>Trees that pick up magic</p><p>!!!??</p></div></div>
	<p style="text-align: center;">1 Share and plot your ideas</p> <div style="display: flex; justify-content: center; align-items: center;"><div style="text-align: center;"><p>Olin College</p></div><div style="border: 1px solid black; padding: 10px; margin-left: 20px;"><div style="display: flex; justify-content: space-between; align-items: center;"><div style="text-align: center;"><p>Cloud icon</p></div><div style="text-align: center;"><p>Trees that pick up</p></div><div style="text-align: center;"><p>Sell the leaves</p></div></div><p style="text-align: center; font-size: small;">Fanciful Horizon</p><div style="text-align: center; margin-top: 20px;"><p>Mountain icon</p></div><div style="text-align: center; margin-top: 20px;"><p>Grass icon</p><p>Use a leaf blower</p></div><p style="text-align: center; font-size: small;">www.engineeringlens.org</p></div></div>

MLW Workbook Braining Storming-Shaping

	<p>2 Shape ideas</p> <p>3 Share</p>
<p>Let's try it</p>	<ul style="list-style-type: none"> • Map (i.e. mundane, magical) and shape your ideas from brain-writing. • Remember that you can shape ideas to meet constraints and values • Choose 2-3 "favorites", taking values and constraints into account. Create stretch's ideas • Be bold! • Be prepared to share!