



Plastics for Every Purpose  
**Project Planning Worksheet:**

Step in the Engineering Design Process	Brainstorm your ideas, pose questions for needed information, take surveys, research
<p><b>Identify the Problem:</b> State the problem in your own words as you understand it</p>	
<p><b>Explore and Design:</b> <b>Size and shape</b> – will there need to be various sizes and shapes or will your design be adaptable/flexible</p>	
<p><b>Material</b> – think of all the plastic products you already know about. Which plastic would you use or can you design something new?</p>	
<p><b>Aesthetics</b> – Can you design a product that will make people less resistant to a potential mandate for wearing? Attractive and comfortable?</p>	
<p><b>Life Cycle</b> – Will the product be thrown away, why or why not? Recycled, reused or re-purposed?</p>	
<p><b>Draw a sketch</b> from which to build a model of your proposed design. Consider dimension and draw to scale. Consider aesthetics and make your drawing appealing to the customers.</p>	