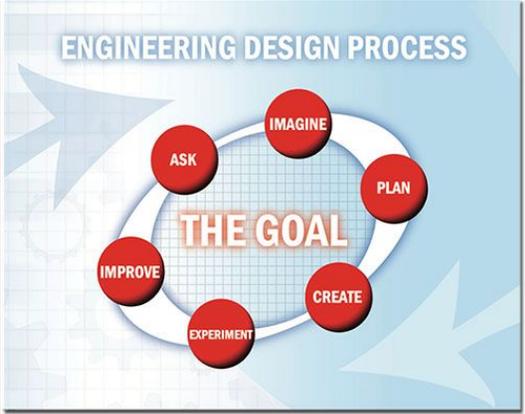
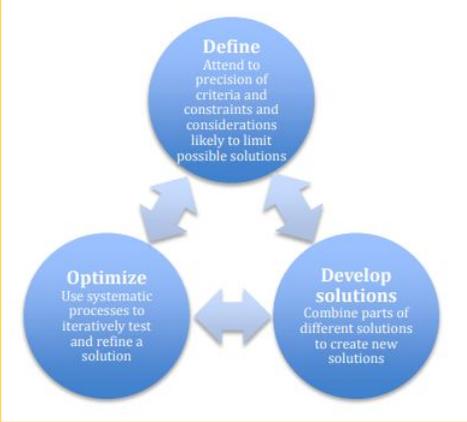
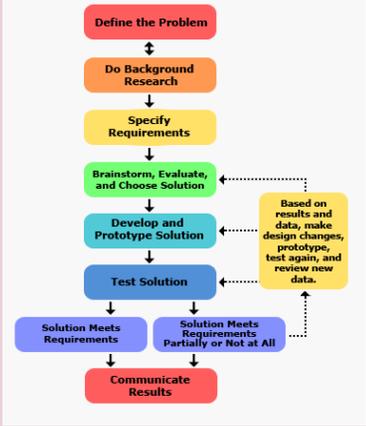
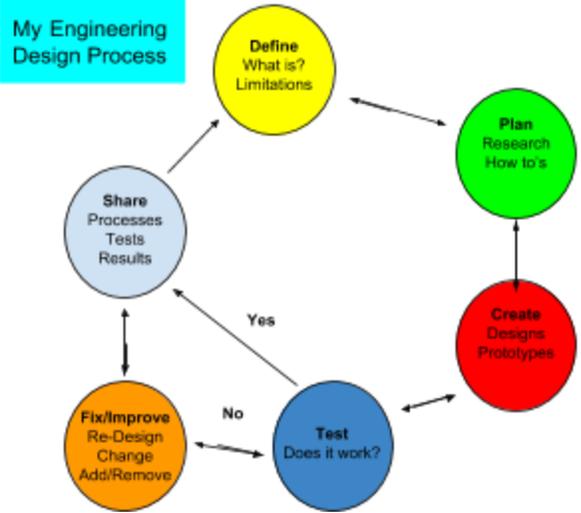


NASA Engineering Design	NGSS	Engineering Design Buddies
 <p>Positive aspects:</p> <ol style="list-style-type: none"> <li>1. Student friendly terms</li> <li>2. No assumed starting point</li> <li>3. Everything revolves around the goal</li> </ol> <p>Negative aspects:</p> <ol style="list-style-type: none"> <li>1. No descriptions - May need more than one word</li> </ol>	 <p>Positive aspects:</p> <ol style="list-style-type: none"> <li>1. Only three steps</li> </ol> <p>Negative aspects:</p> <ol style="list-style-type: none"> <li>1. Not in student friendly terms</li> <li>2. Not as clear as NASA and Design Buddies</li> </ol>	 <p>Positive aspects:</p> <ol style="list-style-type: none"> <li>1. Clear and easy to follow</li> </ol> <p>Negative aspects:</p> <ol style="list-style-type: none"> <li>1. Implies one starting point in the process-Not cyclic</li> </ol>

 <p><b>My Engineering Design Process</b></p>	<p><b>Comparison:</b> The three processes that I looked at all demonstrated that the process is cyclic and involve imagination and creativity, even though they don't state it in those terms. Other than the NGSS model, students, with some coaching, could understand the steps to the processes. The Science Buddies model is the easiest to follow due to the addition of a few key words, making the expectations clearer.</p> <p><b>My Engineering Design Process</b></p> <p>In designing this process I took into account the three that I looked at, NASA, NGSS, and Science Buddies, and created a design that I thought would work best for my students. I took the aspects that I liked best from NASA and Science Buddies, adding more detail to NASA's in the form of key words, so that students would have a clear understanding of what each step entailed.</p> <p>1. "Engineering Design Process   NASA." 30 Jan. 2018. <a href="https://www.nasa.gov/audience/foreducators/best/edp.html">https://www.nasa.gov/audience/foreducators/best/edp.html</a>. Accessed 1 Jun. 2018.</p> <p>2. "Engineering Design - Next Generation Science Standards." 2 Apr. 2013. <a href="https://www.nextgenscience.org/sites/default/files/Appendix%201%20-%20Engineering%20Design%20in%20NGSS%20-%20FINAL_V2.pdf">https://www.nextgenscience.org/sites/default/files/Appendix%201%20-%20Engineering%20Design%20in%20NGSS%20-%20FINAL_V2.pdf</a>. Accessed 1 Jun. 2018.</p> <p>3. "The Engineering Design Process - Science Buddies." <a href="https://www.sciencebuddies.org/science-fair-projects/engineering-design-process/engineering-design-process-steps">https://www.sciencebuddies.org/science-fair-projects/engineering-design-process/engineering-design-process-steps</a>. Accessed 1 Jun. 2018.</p>
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