

Name(s): _____ Date _____ Per. _____

8 1.1 Part 3: Engineering the Bumper Checklist Rubric

<i>Element</i>	<i>Description</i>	<i>Self Check</i>	<i>Peer Check</i>
Engineering Design Process	Define the Problem: <ul style="list-style-type: none"> Problem is clearly stated 	_____	_____
	Brainstorm: <ul style="list-style-type: none"> Drawings or photos of brainstorming process are present. 	_____	_____
	Research: <ul style="list-style-type: none"> Images or links (with brief summary) of research are provided 	_____	_____
	Develop Ideas: <ul style="list-style-type: none"> Slide has images of sketches or digital drawings documenting ideas. Sketches/drawings are clearly labeled Slide contains at least 2 ideas 	_____ _____ _____	_____ _____ _____
	Choose the Best Idea: <ul style="list-style-type: none"> Slide has images of sketches or digital drawings documenting best idea. Sketches/drawings are clearly labeled. 	_____ _____	_____ _____
	Model or Prototype: <ul style="list-style-type: none"> Slide contains images taken during the building process, documenting each step. 	_____	_____
	Test and Evaluate: <ul style="list-style-type: none"> Data from multiple trials is clearly documented and recorded A clear explanation of the changes that need to be made are present. 	_____ _____	_____ _____
	Improve Design: <ul style="list-style-type: none"> Slide includes a picture of each improvement made A brief explanation was provided for the cause and effect relationship of the modification made to the improvement to the design. 	_____ _____	_____ _____
	Present Solution: <ul style="list-style-type: none"> Slide contains an image of final design Slide includes a description of how your car performed compared to the others and why 	_____ _____	_____ _____

Peer Reviewed by: _____

Feedback: