







Problem Solving Activity: _____

Name(s): _____

Date: _____

	 BRONZE	 SILVER	 GOLD	 PLATINUM	
<p>GOALS</p>	<p>Design Brief:</p> <p>Understand the problem, develop prototypes to solve it, test those prototypes and revise your design to make it better.</p>	<ul style="list-style-type: none"> • Our design met the goals or criteria defined by the activity. 	<ul style="list-style-type: none"> • We met Bronze • We tested our prototype multiple times. • We made at least one improvement. 	<ul style="list-style-type: none"> • We met Silver • We made at least two improvements. 	<ul style="list-style-type: none"> • We met Gold • We tested at least two different designs. • We picked the best design, tested it, and made several improvements.
<p>Creativity:</p> <p>Come up with inventive and creative solutions to problems. Consider multiple solutions.</p>	<ul style="list-style-type: none"> • We started the activity and have at least one possible solution that looks reasonable. 	<ul style="list-style-type: none"> • We met Silver • We tested our prototype multiple times. • We made at least one improvement. 	<ul style="list-style-type: none"> • We met Bronze • We tested our prototype multiple times. • We made at least one improvement. 	<ul style="list-style-type: none"> • We met Silver • We made at least two improvements. 	<ul style="list-style-type: none"> • We met Gold • We tested at least two different designs. • We picked the best design, tested it, and made several improvements.
<p>Collaboration:</p> <p>Work is shared effectively and the team encourages and helps each other.</p>	<ul style="list-style-type: none"> • We brainstormed two to three ideas. • We built a working model to solve the problem. 	<ul style="list-style-type: none"> • We started the activity and have at least one possible solution that looks reasonable. 	<ul style="list-style-type: none"> • We brainstormed more than three ideas. • We built an effective model to solve the problem. 	<ul style="list-style-type: none"> • We brainstormed many ideas. • We built and tested prototypes for at least two ideas. • We built an original and effective model that solves the problem. 	<ul style="list-style-type: none"> • We worked together well but some team members did more work than others or we needed help from the teacher to resolve some disagreements.
<p>Notes:</p>	<ul style="list-style-type: none"> • We generally worked together well, providing help and support to each other. • The work was shared fairly evenly among the group members. 	<ul style="list-style-type: none"> • We worked together well, providing help and support to each other. • The work tasks were shared evenly. • We addressed issues that arose. 	<ul style="list-style-type: none"> • We worked together well, providing help and support to each other. • The work tasks were shared evenly. • We addressed issues that arose. 	<ul style="list-style-type: none"> • We worked together unusually well, overcoming unexpected obstacles by working together as a team. • We actively helped and supported each other. • We addressed issues that arose with honest, constructive feedback. 	