

## Project Rubrics

### Final report

Self-score	Parent initials		Meets standard (5 to 4 points)	Approaching standard (3 to 1 points)	Far below standard (0 points)	Teacher score
		Define the problem	Clearly defines the problem	Some of the problem defined	Problem not defined	
		Constraints listed	Several constraints listed	Some constraints listed	Few/no constraints listed	
		Redesign discussed	Complete discussion	Some discussion	No redesign/ no discussion	
		Conclusion: One	Several functions and interactions discussed	Minimal functions/ interactions discussed	Few/no functions/ interactions discussed	
		Conclusion: Two	Causes/systems clearly defined	Somewhat defined	Minimal/no definition	
		Conclusion: Three	Clear discussion of the problem and why it is important	Some discussion of the problem and why it is important	Limited discussion of the problem and why it is important	
		Conclusion: Four	Original plan and changes clearly discussed	Original plan and changes somewhat discussed	Limited discussion, minimal changes	
		Conclusion: Five	Solution found or excellent discussion of what went wrong and why	Perhaps the solution was found or some discussion of what went wrong and why	No solution found or limited discussion of what went wrong and why	
		Documentation	Data/references properly	Some data/reference properly	Data/references not	

		(collected data, referenced external information)	cited	cited	properly cited	
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### Engineering design

Self-score	Parent initials		Meets standard (5 to 4 points)	Approaching standard (3 to 1 points)	Far below standard (0 points)	Teacher score
		Worked within constraints <ul style="list-style-type: none"> <li>• Did not “pull” from the other end of the artery</li> <li>• Artery was not damaged</li> <li>• Plaque was not “released” into the bloodstream</li> </ul>	Works within all constraints	Working with some constraints	Outside the constraints	
		Conducted multiple trials	Multiple trials conducted within deadline	-----	One or fewer trials conducted	
		Redesigned and tested <ul style="list-style-type: none"> <li>• Designs are different</li> <li>• Sketches/pictures are included so the reader can see the differences</li> </ul>	Redesigned and tested	Redesigned, but did not test	No redesign	
		Successful design <ul style="list-style-type: none"> <li>• Blood flow restored to the artery</li> </ul>	Meets all parameters	Meets some parameters	Falls below all parameters	

## Technology requirements

Self-score	Parent initials		Meets standard (5 to 4 points)	Approaching standard (3 to 1 points)	Far below standard (0 points)	Teacher score
		Science folder	<ul style="list-style-type: none"> <li>● Folder made and shared with teacher</li> <li>● Folder is labeled with name and class information</li> </ul>	<ul style="list-style-type: none"> <li>● Folder does not have the proper name</li> </ul>	<ul style="list-style-type: none"> <li>● Folder not shared and does not have the proper name</li> </ul>	
		Project video	<ul style="list-style-type: none"> <li>● Folder contains at least one video from the project</li> <li>● Video has the proper name</li> </ul>	<ul style="list-style-type: none"> <li>● Video does not have the proper name</li> </ul>	<ul style="list-style-type: none"> <li>● Folder does not contain a video</li> </ul>	
		Project presentation	<ul style="list-style-type: none"> <li>● Folder contains a presentation (Google or Keynote)</li> <li>● Presentation contains seven completed slides</li> <li>● File has the correct name</li> </ul>	<ul style="list-style-type: none"> <li>● Two requirements are met</li> </ul>	<ul style="list-style-type: none"> <li>● One or no requirements are met</li> </ul>	
		Project report	<ul style="list-style-type: none"> <li>● Folder contains a brainstorming/report document</li> <li>● Document is shared with teammates</li> <li>● Document has the correct name</li> </ul>	<ul style="list-style-type: none"> <li>● Two requirements are met</li> </ul>	<ul style="list-style-type: none"> <li>● One or no requirements are met</li> </ul>	
<p>Comments:</p> <p>Please let me know how well you and your teammates worked together. If you have any comments or concerns, this is the place to express them.</p>						

