

## DRSEF Engineering Scorecard Example

		Low	Mid	High	Max	
<b>Research Problem</b>	<b>Practical Need</b>	Not Described	Partly Described	Fully Described	<b>10</b>	
	<b>Criteria for Solution</b>	Not Defined	Partly Defined	Fully Defined		
	<b>Constraints</b>	Not Explained	Partly Explained	Fully Explained		
<b>Method</b>	<b>Alternatives</b>	Not Explored	Partly Explored	Fully Explored	<b>15</b>	
	<b>Solution</b>	Not Identified	Vaguely Identified	Clearly Identified		
	<b>Prototype/Model</b>	Not Developed	Partly Developed	Fully Developed		
<b>Execution of Prototype</b>	<b>Intended Design</b>	Not Demonstrated	Partly Demonstrated	Fully Demonstrated	<b>20</b>	
	<b>Testing Conditions/Trials</b>	Very Narrow	Limited	Multiple		
	<b>Skill and Completeness</b>	Little Demonstrated	Somewhat Demonstrated	Well Demonstrated		
<b>Creativity</b>	<b>In Above Criteria</b>	Cookbook No New Ideas	Teacher Assigned Some Value Added	Student Initiated Innovative	<b>20</b>	
<b>Presentation</b>	<b>Poster</b>	Illogical or Unreadable	Lacks supporting docs or some lack of clarity	Logical, readable, & supporting docs	<b>10</b>	
	<b>Interview</b>	Poor Responses Basic Misunderstanding No Conclusion No Recognition of Impact No Future Ideas  (TEAM) One Student Dominant	Some Vague Responses Basic Misunderstanding Misunderstanding Results Unawareness of Impact  (TEAM) Uneven Contributions	Clear Responses Basic Understanding Understands Results Recognizes Impact Future Ideas  (TEAM) All Members Involved	<b>25</b>	