



**CALIFORNIA STATE SCIENCE FAIR  
2010 PROJECT SUMMARY**

<b>Name(s)</b> Nareg K. Shirajian	<b>Project Number</b> <b>J2226</b>
<b>Project Title</b> Estes Reliability	
<b>Abstract</b> <b>Objectives/Goals</b> The objective of this project is to verify the manufacturers specifications on maximum thrust, minimum thrust, and impulse. <b>Methods/Materials</b> Using a GLX Explorer I measured the maximum thrust, minimum thrust, and impulse. The set up I used, included, mounting a rocket engine onto a bracket connected to the force sensor which is connected to the GLX Explorer. <b>Results</b> The results were not exact with the manufacturers specifications because of error due to the equipment used. <b>Conclusions/Discussion</b> My results were within the margin or range of the manufacturers given specifications.	
<b>Summary Statement</b> To verify manufacturers model rocket specifications on minimum thrust, maximum thrust, and impulse.	
<b>Help Received</b> Worked at Ribet Academy Seebach Physics and Chemistry Lab.	