



**CALIFORNIA STATE SCIENCE FAIR
2002 PROJECT SUMMARY**

Name(s) Andrew P.C. Gustafson	Project Number S1510				
Project Title Using Air to Launch a Projectile					
<table border="0"><tr><td data-bbox="77 611 698 667">Objectives/Goals</td><td data-bbox="698 611 1539 667">Abstract</td></tr><tr><td colspan="2" data-bbox="77 667 1539 1619"><p>There are several main principle objectives in this experiment. The main principle was to find if the distance the air cannon would shoot was proportional to the air pressure within the cannon. I concluded that the pressure is not directly proportional to the pressure within the cannon, in the ending of my experiment. Even though the pressure increases and the distance of the projectile increases, it is not directly proportional. I found that air resistance and the friction it had on the projectile had a huge role in the outcome of the distance the projectile went.</p></td></tr></table>		Objectives/Goals	Abstract	<p>There are several main principle objectives in this experiment. The main principle was to find if the distance the air cannon would shoot was proportional to the air pressure within the cannon. I concluded that the pressure is not directly proportional to the pressure within the cannon, in the ending of my experiment. Even though the pressure increases and the distance of the projectile increases, it is not directly proportional. I found that air resistance and the friction it had on the projectile had a huge role in the outcome of the distance the projectile went.</p>	
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Summary Statement I determined whether pressure was directly proportional to pressure when I launched a projectile using air.					
Help Received No help was given					