



**CALIFORNIA STATE SCIENCE FAIR  
2002 PROJECT SUMMARY**

<b>Name(s)</b> David V. Aldrich	<b>Project Number</b> <b>J0201</b>
<b>Project Title</b> <b>A Look at Pneumatic Power</b>	
<b>Abstract</b> <b>Objectives/Goals</b> My objective was to find a 1-1 relation to the psi and wieght lifted. <b>Methods/Materials</b> I first built a Lego system to measure and use the pressure to lift different wieghts. 2.0 Lego Mindstorm Accutire tiregauge 2x Lego pneumatics Lego jumbo gray basesoard lego train transformer <b>Results</b> I found a 4-1 relation in the psi to wieght lifted. <b>Conclusions/Discussion</b> I was wrong about the 1-1 relation but found a 4-1 relation.	
<b>Summary Statement</b> I used lego to create a system that would measure psi and lift wieghts.	
<b>Help Received</b> Parents buying equipment	