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*Blast Off*

The purpose of this experiment was to determine if the amount of air pressure in a pressure powered rocket ship affects the amount of seconds it stays in the air. I determined that the amount of air pressure does affect the amount of seconds that the rocket stays in the air by blasting off the rocket 12 times, each time adding 25 pounds each time until I reached 100 pounds. Then I would add 12 oz. and start over again until I reach 36 oz. This experiment used an air pressure powered rocket, a funnel and plastic tube, and a launch pad for the rocket. It also used WD-40, goggles, a stop watch, and a gallon of water. The results were determined by blasting off the rocket, and start the stop watch. When the rocket touches the ground, the stop watch is stopped. The results from this project were, with 24 oz and more air pressure, it stayed in the air longer. With 36 oz and less air pressure, it stayed in the air the least.