

Tanner Schlom
Cutting Edge Propulsion

My purpose was to see how feasible it is to launch projectiles into space using electromagnets. After my research I discovered that projectiles can be sent into space if enough DC power is available and using computer synchronization to shut off the magnets. The basic procedures to make and test this are: make wood beam and conductor, wrap wire around paper cylinder on top bottom and middle, attach the connector wires to the battery charger coils and wood beam, slide conductor across beam to launch, measure how fast the projectile went using PASCO velocity meter. The data I collected was that it is possible to launch items into space but that the coils and tube would be gigantic and very expensive to build. Also the amount of electricity used would be such a large amount I couldn't find it. The measurements I got were in MPS and here they are: 1.25_3.70_1.05_3.87_1.95_3.37. I had help from Dr. David Smith and he told me how to make it more proficient and safer to use. Over all I figured out that this is an almost unreasonable way to get thing to space with all the work and resources needed.