

CALIFORNIA STATE SCIENCE FAIR 2014 PROJECT SUMMARY

Name(s) **Project Number** Benjamin A. Glazer; Larsen Weigle 34021 **Project Title Maglev Transportation** Abstract **Objectives/Goals** The purpose is to find out if maglev trains are more efficient than wheel train Methods/Materials We designed a track that allowed both magley and wheel trains to be launched on it. Then we built the two trains for our testing. We tested both trains at multiple launch threes and measured how far they traveled. We used the data we collected from our tests to prove that either wheel trains or maglev trains are more efficient. **Results** The magley train traveled further than the wheel train at all asunch forces **Conclusions/Discussion** We came to the conclusion that the magley train is more efficient than the wheel train because it loses less energy per inch. **Summary Statement** agley train is more efficient than a wheel train, and therefore more practical for real-world us **Help Received** We received help from one of our fathers with editing our writing to make sure it was understandable, with using a spreadsheet to analyze data, and with the construction of the track.