

## CALIFORNIA STATE SCIENCE FAIR 2011 PROJECT SUMMARY

Name(s) **Project Number** Annika V. McBride 31131 **Project Title Back Busters Abstract Objectives/Goals** The objective of my project was to find out which backpack effected your posts most. Mv hypothesis is that the 6 pocket backpack will negatively effect your posture the mo ecause it has a lot of pockets and will pull on the subjects back and make them lean forward Methods/Materials 3 backpack I used a ruler, a wood pole with a base, a timer, a pencil, a notebool 3 subjects, backpack contents and a scale. First I measured the backpack and backpack contents to equal 5,10 or 15 pounds. I told one of my subjects to walk around and set my timer for the minutes hen the timer was up I lined my subject up against the wood pole and measured with my ruler how far hey were leaning over and how far they were leaning to the side. I wrote what I measured in my hotebook and repeated the steps for the other backpacks, subjects and pound increments. **Results** The 6 pocket backpack negatively effected the posture the most I trank that it effected the posture the most because it had a lot of pockets and so it pulled down on the bejects back and made them have to lean over. **Conclusions/Discussion** My hypothesis was correct. This project could need people have more knowledge about which backpack would be better to buy and would not nurt your back. Summary Statement hich backpack is the worst for your back. Help Received My sisters and neighbor helped me by being my subjects.