



**CALIFORNIA STATE SCIENCE FAIR
2005 PROJECT SUMMARY**

Name(s) Matthew S. Golembeski	Project Number J1208
Project Title Rollin' on Hoops	
Abstract Objectives/Goals Wheelchair basketball is nowadays a pretty well known sport and is played by people throughout the world. Many disabled people play on teams for fun or play competitively. This researcher wanted to find out the best defense for his own team to find help his team succeed. Methods/Materials Two types of defense were used on this specific team. These defenses were the man to man and the box. The defenses were tested by seeing how many shots were taken by the offense and if they were made, missed, or blocked. The researcher videotaped teh games palyed to find if the defense was accomplishing its goal. Results First the games were videotaped to accumulate data. THEN the researcher watched the videotape and determined where each shot as specifically taken and if it was made, missed, or blocked. Then they added the data onto a graph scaled down to the size of a basketball court. Conclusions/Discussion Based on the data from the graphs and the videotape, the box defense performed better than the man to man. The box had a lower scoring percentage and had more shots taken outside the key, which are much longer and harder to make. The man to man had a higher scoring percentage and shots were taken close to the hoop. This information has helped the experimented team find out how to win games and this test can help coaches everywhere to find the correct defense for their team.	
Summary Statement To determine the best defense to use for the experimented wheelchair basketball team.	
Help Received No help provided.	