



**CALIFORNIA STATE SCIENCE FAIR
2004 PROJECT SUMMARY**

Name(s) Jesse D. Thomas	Project Number J0234
Project Title Paintball Accuracy Test	
Abstract Objectives/Goals To find out what paintball brand is most accurate and by how much. Methods/Materials I used my F-4 Illustrator paintball gun with a four stage expansion chamber and stock barrel with a twenty oz. CO2 tank to shoot five rounds of different types of paintballs four times at 30 ft. and 60 ft. for a total of 40 shots for each brand. I mounted the gun on a stable stand so it would not move when I shot it. The target was white poster board with a ruler and a square. Results I found that the more expensive paintballs are more accurate at both 30 and 60 feet than the less expensive ones. This was my hypothesis so this experiment proves it correct. Conclusions/Discussion I have concluded that Chronic is the best brand of paint by my analysis above. The data collected suggests that circumference and correct fit in the barrel play a role in accuracy. Weight may also contribute to accuracy with heavier paintballs being more accurate, but it is hard to tell because weight differences are slight.	
Summary Statement What brand of paintball is the most accurate?	
Help Received My dad replaced the poster board after I shot the groups of paint at it.	