



**CALIFORNIA STATE SCIENCE FAIR
2003 PROJECT SUMMARY**

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| Name(s) Reinhart D. Arquiza | Project Number S0302 |
| Project Title Does Group Cohesion Correlate with Performance in High School Classrooms? | |
| <p style="text-align: center;">Abstract</p> <p>Objectives/Goals The main objective is to determine if there is a correlation between group cohesion and performance in high school classrooms.</p> <p>Methods/Materials A cohesion questionnaire was developed and administered to eight classes, one college- prep math and english class for each grade- (209 students). The classes' performance was measured on their last school- issued progress report grades. Spearman's Rank Coefficient was used to see if there was a correlation between cohesion and performance.</p> <p>Results Spearman's Rank Coefficient gave a 98 percent level of confidence that there is a correlation between group cohesion and performance to a statistically significant degree.</p> <p>Conclusions/Discussion Based on the eight classes tested, group cohesion does correlate with performance.</p> | |
| Summary Statement An effort to find a correlation between group cohesion and performance in high school classrooms was achieved. | |
| Help Received The following teachers allowed me to administer my surveys to their classes: Mr. Burgreen, Ms. Curtis, Ms. Hardaway, Mr. Love, and Ms. Neel. Following teachers provided the necessary materials to administer my survey: Mr. Castro and Mr. Case. The following families provided me with their resources | |