



**CALIFORNIA STATE SCIENCE FAIR
2006 PROJECT SUMMARY**

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| Name(s) Kelsey N. Bonds | Project Number J0301 |
| Project Title How Age Difference Affects Learning Capabilities | |
| Objectives/Goals The main reason why I conducted this project is because I wanted to discover what happens to your learning capabilities as you grow older. | |
| Abstract | |
| Methods/Materials My project's main materials are: -a vhs or dvd camera -many participants -a wide selection of age groups | |
| In my investigation, you first have to begin gathering participants at a random selection. Then, you can begin to perform your test by first making a vhs or dvd of someone clapping hands to different patterns each following pattern increasing in difficulty level. After you have that section completed, you can begin to test your participants by showing the tape. If they receive the pattern correct, they may move on, if not their test trial will be completed. Finally, you can graph your data and results by categorizing the age groups. | |
| Results After I completed my project, I discovered that the average amount accuracy was: Ages 8-11: 6:10 Ages 12-15: 9:10 Ages 17-20: 7:10 Ages 28-31: 7:10 Ages 42-45: 6:10 Ages 60&up: 5:10 | |
| Conclusions/Discussion In conclusion, I discovered that you do increase learning capability levels, but then you begin to decrease learning capability status at a certain age level. This project will help people discover what happens as you grow older. | |
| Summary Statement My project is about observing what occurs to your learning capabilities as you age. | |
| Help Received Coach helped write rough drafts, and she helped improvise my writing. My mother helped me find an area to conduct my project in. | |