

CALIFORNIA STATE SCIENCE FAIR 2010 PROJECT SUMMARY

| Name(s) | Project Number |
|---|---|
| Alexa J. Wheelan | 11221 |
| | J1324 |
| Project Title | |
| Off Balance | |
| | |
| Abstract | |
| Objectives/Goals To evaluate how various sounds, i.e. music, affect a human's resistance to be around, and what sounds result in the quickest and longest recoveries from a Methods/Materials Subjects will spin around for 30 seconds with no sound. I will check and reconverses nystagmus (the horizontal twitching of the eye caused by becoming dizzy). | ecoming dizzy when spun dizziness. cord the duration of the When they recover subjects |
| will repeat this process for each sound. | |
| Materials: A stop watch, human test subjects, and a fully charged Ipod that has a variety of different sounds. Results | |
| calls and no sounds at all caused the nystagmus to linger for the shortest amount of time. Conclusions/Discussion My hypothesis that "Synth " would cause the nystagmus to linger the longest was proven correct. I believe | |
| that this was caused by the constantly changing beats, tones, and rhythms that are in "Synth.". It may be hard for your brain to track these sounds while also tracking your movements. | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| Summary Statement | |
| To evaluate if and how various sounds affect a human's resistance to becom | ing dizzy. |
| Help Received | |
| My dad helped me put songs on my Ipod. | |