

CALIFORNIA SCIENCE & ENGINEERING FAIR 2018 PROJECT SUMMARY

| Name(s) | Project Number |
|---|---|
| Spencer Hise; Anthony Serrano | |
| | 38775 |
| Project Title | 8 |
| Immersive Battlefield Video Games and Adrenaline Fluctuations as Measured through pH Variations within Players | |
| Objectives/Goals Abstract | |
| The reason and objective for this experiment was to see the effects the body. We focused specifically on pH level in players due to the The experiment was conducted in order to expand our knowledge knowledge of the subject. Methods/Materials pH strips, water, a gaming system with controller, Battereld 1 | e lack of information relative to gaming. of this subject, as well as other people#s |
| Results All of our participants' results showed a drop in pH level with an a the pH in their saliva has become more acidic over the course of generative pH levels of all our participants dropped and in doing so becau acidic compound, we were able to infer that adrenaling is produced learning this we were able to expand our knowledge of gaming's game developers and by the consumer of said game in multiple via | verage pH drop of .45. This means that |
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| Summary Statement | |
| Our project on immersive gaming, as well as pH and its correspond of gaming on the human body and gave us an insight on how enga | |
| Help Received | |
| Yes, we had help from our parents, Susan and Edward Hise, and In Our participants, Edward Hise, Melissa Serrano, and Rebecca Hise steps for the experiment. Our teacher Mrs. Nogueira also helped us | e helped by preforming the required |