



**CALIFORNIA SCIENCE & ENGINEERING FAIR
2018 PROJECT SUMMARY**

Name(s) John M. Kale	Project Number 38192
Project Title Magnet Powers	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals The goal of the project was to test the effect of magnetism on the regeneration of planaria.</p> <p>Methods/Materials Neodymium magnets measured at N42 and N52 (acquired from k&f magnetics), 100 millimeter Petri dishes and a planaria culture (acquired from Carolina Biological Supply).</p> <p>Results Multiple tests showed that the magnetism slowed the regeneration by at least 3 days compared to my control test.</p> <p>Conclusions/Discussion The results showed that magnetism had an acute effect on the regeneration. I conclude that strong magnetic fields can slow the growth of cells.</p>	
Summary Statement I tested the effect of strong magnetic fields on the regeneration of planaria.	
Help Received None, I designed and conducted the experiment by myself	