



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

<b>Name(s)</b> <b>John M. Kale</b>	<b>Project Number</b> <b>J2210</b>
<b>Project Title</b> <b>Magnet Powers</b>	
<b>Abstract</b> <b>Objectives/Goals</b> The goal of the project was to test the effect of magnetism on the regeneration of planaria. <b>Methods/Materials</b> Neodymium magnets measured at N42 and N52 (acquired from k&J magnetics), 100 millimeter Petri dishes and a planaria culture (acquired from Carolina Biological Supply). <b>Results</b> Multiple tests showed that the magnetism slowed the regeneration by at least 3 days compared to my control test. <b>Conclusions/Discussion</b> The results showed that magnetism had an acute effect on the regeneration. I conclude that strong magnetic fields can slow the growth of cells.	
<b>Summary Statement</b> I tested the effect of strong magnetic fields on the regeneration of planaria.	
<b>Help Received</b> None, I designed and conducted the experiment by myself	