



**CALIFORNIA STATE SCIENCE FAIR
2012 PROJECT SUMMARY**

Name(s) Michelle Pastrana	Project Number J2210
Project Title Red Fish, Blue Fish	
Abstract Objectives/Goals The objective of my science project "Red Fish, Blue Fish" was to observe and analyze whether or not there were any observable changes in the behavior of male Siamese Fighting Fish (also known as Betta's) when placed together during a non-feeding time period and a feeding period. My goal in this science project was mainly to really get to know a male Siamese Fighting Fish's behavior habits and aggression towards each other during the non-feeding time period and the feeding period. Methods/Materials Materials: 1. two Siamese Fighting Fish of similar age, size, and gender 2. One small fish net 3. Two small 1/2 cup volume fish containers 4. One lightly furnished 1 liter fish tank with divider 5. One container of "Aqueon" Betta fish pellets 6. Digital timer Results There was slightly more aggression shown during the feeding period with an average of 1.66 versus 1.33 for the non-feeding period. The total aggressive responses for the non-feeding period was 4 and the feeding period was 5. Conclusions/Discussion In conclusion my hypothesis was incorrect. I believed the Siamese Fighting Fish would exhibit increased aggression toward each other during feeding in an attempt to control the food resources. There was no observable increase in aggression following three feeding trials; in fact, it appeared there may have been a decrease. The level of aggression toward each other was very low due to the familiarity of the fish to one another resultant from the three week acclimation phase.	
Summary Statement My science project was about observing any aggressive behavior between two male Siamese Fighting Fish during a non-feeding period and a feeding period.	
Help Received	