



**CALIFORNIA STATE SCIENCE FAIR
2002 PROJECT SUMMARY**

Name(s) Macy M. Tom	Project Number 22190
Project Title What Colors Are Butterflies Most Attracted To?	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals This experiment studies what colors butterflies are the most attracted to. Research was done to find out if butterflies really did prefer a certain color. This experiment was tested on the Painted Lady butterfly. The experimental hypothesis is: Butterflies will be attracted to the color purple, because they can see further into the violet spectrum and their main host plant is purple.</p> <p>Methods/Materials After the data was collected, the results proved the hypothesis to be wrong. The majority of the butterflies had a tendency to go to the color orange. However, not all of the butterflies did go to the orange. The color red came in close, with the amount of butterfly landings.</p> <p>Results After the data was collected, the results proved the hypothesis to be wrong. The majority of the butterflies had a tendency to go to the color orange. However, not all of the butterflies did go to the orange. The color red came in close, with the amount of butterfly landings. Research shows that the butterflies really do not prefer the color of their host plant the most...and that they may be attracted to other colors such as orange, because they are orange.</p> <p>Conclusions/Discussion Research shows that the butterflies really do not prefer the color of their host plant the most...and that they may be attracted to other colors such as orange, because they are orange. I would like to thank my mom, for helping and supporting me through my whole project, The Discovery Store for supplying me with the butterflies, my dad for helping build my enclosure, and Ms. West for all her help throughout the whole experiment. Thank you so much!</p>	
Summary Statement Observing what colors butterflies really do prefer out of red, orange, yellow, green, blue, violet/purple.	
Help Received Mother helped with buying butterflies and getting enclosure supplies; Discovery Store helped with having butterflies to sell; Dad helped with cutting pipes for the enclosure; Both Advance science 8 teachers (West and Gillum) helped by giving support and help when needed.	