CALIFORNIA STATE SCIENCE FAIR
2015 PROJECT SUMMARY

Name(s)
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Project Number
35208

Project Title
How Do Different Colors Affect a Testudines' Movement through a Maze?

Abstract

Objectives/Goals
The focus of this project was on trying to figure out whether Testudines are able to distinguish colors.

Methods/Materials
To test this hypothesis, a maze was created with different paths but only one path led out of the maze. Then flashlights were used to project the colors red, yellow, green, blue, purple, and orange onto each of the different paths. Next, the Testudines was placed in front of the maze and given 10 minutes to choose a path, this was process was repeated 10 times.

Results
The Testudines was able to distinguish bright colors instead of one specific color.

Conclusions/Discussion
During testing it was observed that the Testudines behaved in an aggressive manner, after research it was discovered that the Tesudines believed I was a predator due to my shadow in the light and so the Testudines' defense instincts became very much apparent. Testudines follow sunlight to get to the ocean once they are born. During that time, predators try to capture them while they are on their way. So the Testudines thought I was a predator trying to snatch it, while it was on its journey.

Summary Statement
Do Testudines have the ability to distinguish colors?

Help Received