



# MATH/SCIENCE NUCLEUS

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January 12, 2019

To: Alameda County Fish and Wildlife Commission ([admin@alamedawildlife.org](mailto:admin@alamedawildlife.org))

RE: Final Report

The Math Science Nucleus has completed its obligation of the \$5000 grant received in early 2018 from the Fish and Wildlife Propagation Fund for 10 family days on fresh water fish and their ecology at Tule Ponds at Tyson Lagoon and to purchase more supplies for families to “catch” fish.

All components of the grant were for fulfilled.

Thank you for offering this grant.

Sincerely,

Joyce R. Blueford, Ph.D.  
Board President

# FISH DAYS AT TULE PONDS

## Final Report

### Math Science Nucleus (2018) \$5000.00

The Math Science Nucleus received \$5000.00 grant from Alameda County Fish and Game to sponsor 10 family days on fresh water fish and their ecology at Tule Ponds at Tyson Lagoon. Some of the monies were used for more fish capture devices and art materials for children to make items (i.e. fish lure, fish models) to take home.

#### DESCRIPTION

This proposal was an extension of materials we developed in a previous grant but was redesigned for families so parents and children can learn more about keeping aquatic environment clean. We advertised using Eventbrite and our own website. We had a limit of 25 people per session, with a total of 250 people. This year we had to do a morning and afternoon session. We had major problems with losing water because of the lowering water table, which caused our creek to disappear. We had to modify the lessons to include the food chain of fish, so we explored the plankton food chain of the creek.



In the 23 years we have managed Tule Ponds, this was the first time we ever experienced an almost evaporation of Tyson Lagoon. Ironically, we think it has something to do with the building of the Fish Ladders on Alameda Creek by Alameda County Water District. They did help us by adding water to the lake, but our fish population declined and we are now monitoring the levels so we can prevent

this from happening again.

However, the parents and children still loved coming and fishing in our man-made ponds.

Fish Days were scheduled for 5 days (2 sessions per day, morning and afternoon) during the summer I at Tule Ponds at Tyson Lagoon. Before we started the program we created Fish activities that would allow parents to reinforce the principles we went over. The app can be used on a computer or on an android. It can be downloaded from the following online link:

[http://msnucleus.org/watersheds/tule/events/fish\\_days.html](http://msnucleus.org/watersheds/tule/events/fish_days.html)

We also used about \$1000.00 for materials including better nets and release and capture containers.



## TULE PONDS AT TYSON LAGOON *FISH DAYS*

Where: 1999 Walnut Ave  
June 20, 22, 26,27,30  
(see times and registration below)  
**FREE**



Learn about fresh water fish that are found in local ponds and rivers. Games show native and non native fish and how they arrived at Tule Ponds. Compare fishing ponds for people versus fishing ponds for wildlife. Explore how the early peoples of area went fishing as well as the science behind fishing lures. These are meant for a family outing to enjoy Tule Ponds. Work with microscope to learn about what fish eat and the importance of habitat. Ideal for families with elementary school age children.

*Map and information when you register.*

**FREE:** Registration required. Space limited (25 per session). Fun, educational and fishy!

