



**Troop 10202 Silver Award**

**Aquaponics-Fish Poop to  
the Rescue**

*By: Emily, Kaley, and Gillian*

# Once Upon a Time...

- There were 3 girls from troop 10202 who wanted to help their community. So, they went to the Sawgrass Nature Center and asked how they could help. After discussions with staff, we decided to build an aquaponics system that will grow herbs and vegetables to feed the animals.

Collards the type of plant we're growing.



The collards when we first put them in.





## What is that?

- An aquaponics system is a type of system where the fish live in the tank below and their poop feeds the plants above which in turn adds nutrients to the water.

# The Fish

- In our tank we added two types of fish Leopard Danios and Buenas Aires Tetras.

Leopard Danio



Buenas Aires Tetra





## Next...

- After we set up the tank and planted the collard greens, we then had to wait a few days before adding the fish because we had to make sure the water chemical levels were suitable for the plants and fish.
- We tested the levels using testing strips and when they were appropriate, we were then able to add the fish.
- These are some pictures of us setting up the tank and taking care of the fish.

# Asking for Advice

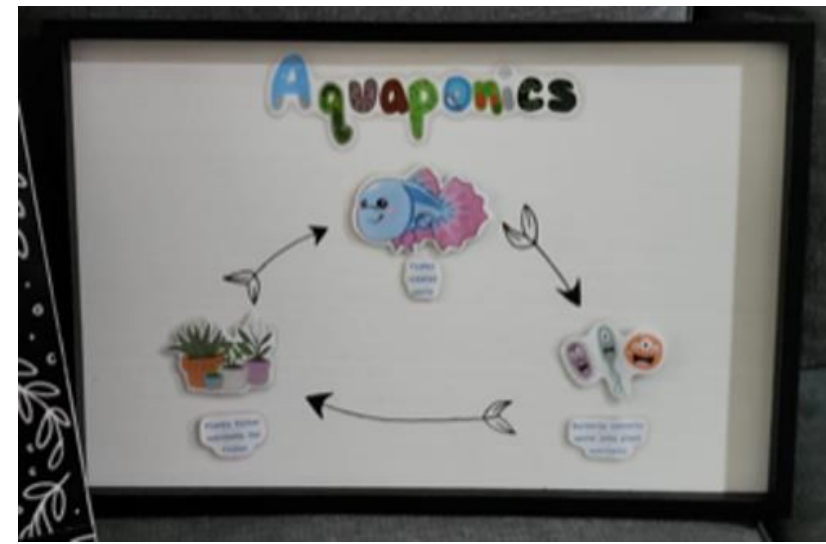
- We visited Reef's Edge Aquatics for their expert advice about the fish. We learned lots of important information about nitrates, nitrites, ammonia and pH levels. We also visited PetSmart to ask their advice about keeping fish



# Presenting

We presented our project to younger girls from other troops.

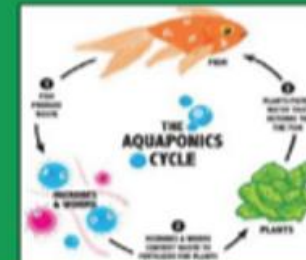
We also made and printed flyers about aquaponics to hand out to visitors at the Sawgrass Nature Center so we can teach people more. As well as flyers we made picture boards, one which was magnetic so kids could interact with it.



## Re: 4X6 POSTCARDS

### Benefits of Aquaponics

- Sustainable, efficient, and highly productive
- Ability to grow food locally
- Healthy living
- Free of pesticides
- All-natural fertilizer



Girl Scout Troop 10202

# In Conclusion...

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- We thoroughly enjoyed our Silver Award project. We worked very hard and it wasn't always easy but we persevered and accomplished our goal.
- The Sawgrass Nature Centre now has a sustainable food source for the animals.







# Our Aquaphonics Photo Story -from ideas to completion

