Invasive Plant Seed Catcher

[redacted]

Grade:6th

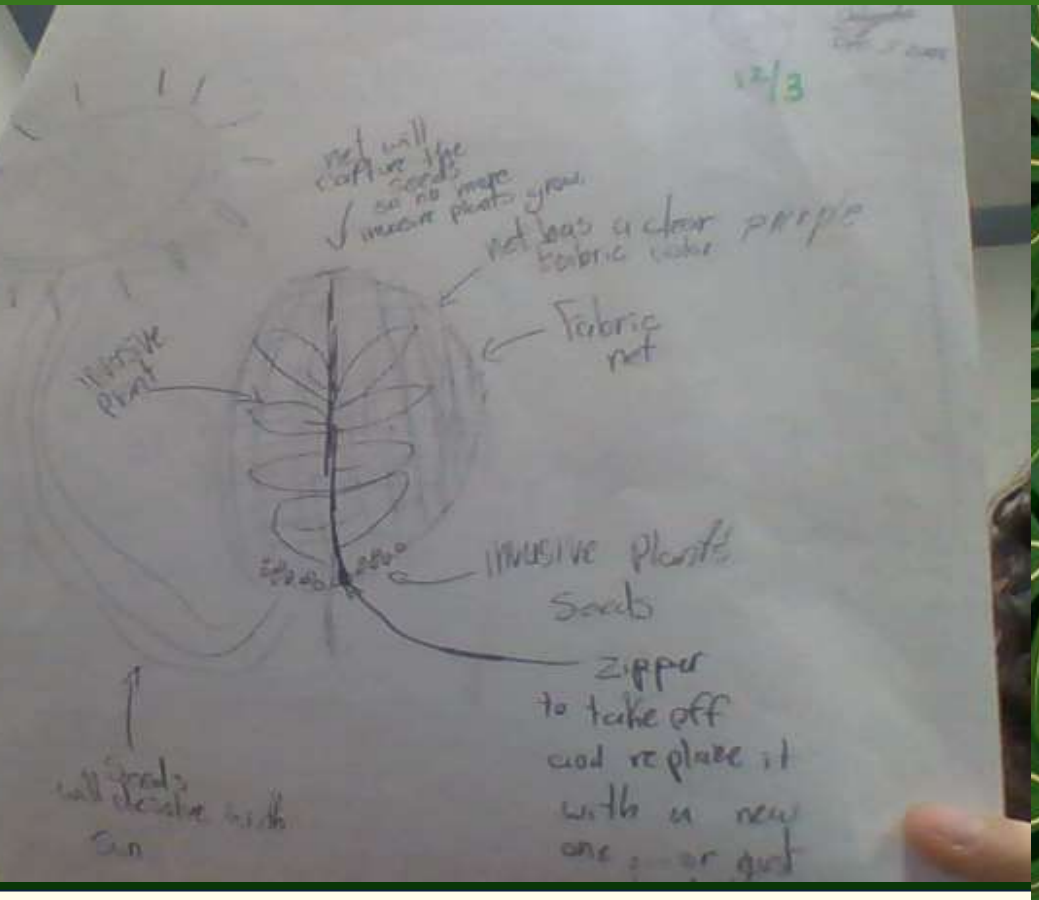
Background:

Some facts about invasive species are that they can spread and cause harm to the environment,economy,and human health.Some invasive species can cause skin rashes that can harm humans.Outcompeting native species for resources like light,water,and nutrients,which can lead to decline of native plants that can harm habitats.Invasive plants can cause extinction to plants and animals.So its actually important to know that you shouldn't plant invasive plants to save our environment and animals habitats.

Problem:

Our problem is ecosystems getting destroyed by invasive plants.For example,invasive plants can make animals extinct.They can also compete for light,food,water,and soil.Also invasive plants can actually give humans skin rashes which is horrible if your allergic.So this is our problem we have and why we did project.

Design:


net will
capture the
seeds
so no more
invasive plants grow
net has a clear purple
fabric color
Fabric
net
INVASIVE
plant
INVASIVE plants
Seeds
zipper
to take off
and replace it
with a new
one
Seeds
will
Sun

Pictures of design:

Materials:

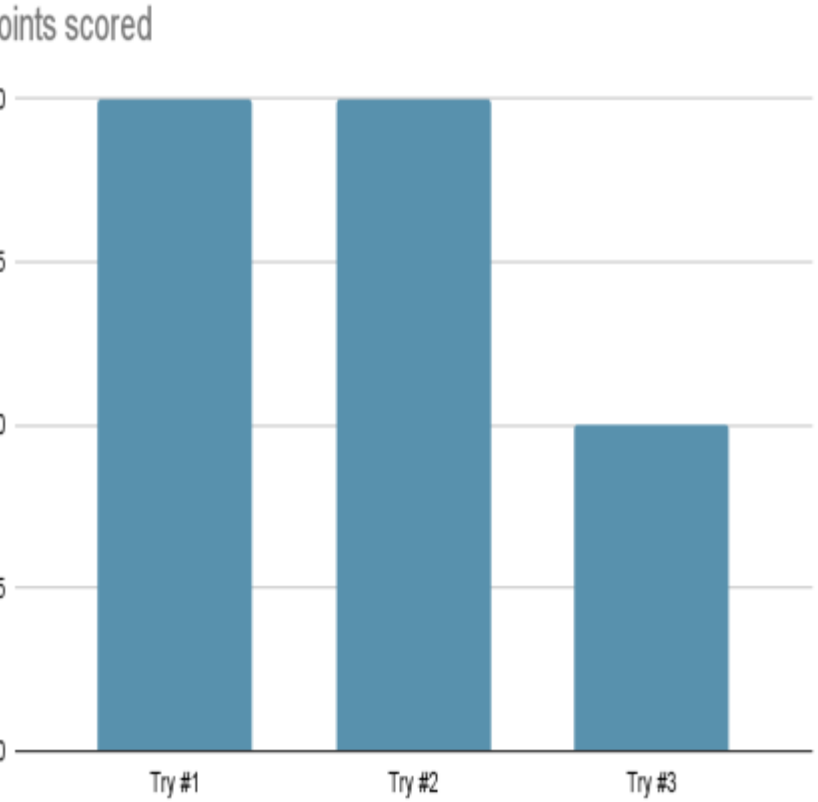
- 1 Scissors (6 inches)
- Medium black plastic pot
- 12x12 clear or white fabric
- 2 ½ inch safety pins
- At Least 2-3 plastic grocery bags
- White paper
- Glue gun
- Cardboard
- 12 inch zipper

Procedures:

1. Get the net and unzip it
2. Place the net on top of an invasive plant make sure it is secure with dirt,inside of the net,around the plant add either rocks or dirt.
3. Zip up the zipper
4. Add anything like a stick or a stick though the 2 holes from across each other
5. Make sure the stick is touching the plant
6. Hold the stick though the holes and shake,but not that hard
7. Take out the stick
8. Hold the net with the plant and the dirt or rocks.
9. Hold tight with the net to the plant making sure the seeds fall.
10. Throw away the seeds and clean up the net

Pictures of testing:

Data:



Data Explaination:

The First try we got 2 seeds.The second try we got 2 seeds again and for the third try we got only 1 seed.
In total we got 5 seeds that we got from the plant.But if you place it on a real invasive plant you will have to wait for the seeds to come off we just speedy up the process by shaking it.

Observation:

In our observation me and my partner saw that we added too much glue to the seeds which is quite harder for the net to even have any seeds
We also observed that

Conclusion:

n conclusion,Some things we should've done was to add less glue to the seeds because it will be more secure and the seed won't come off the plant.Something else we should've done is is to make the holes small because the holes are a little bit too big for the seeds.What we will do in the future is that to get clear fabric and get a clear zipper because so people will see the plant as the plant s losing seeds.