

# Researching about animals that you can find in the neighborhood



A squirrel sits on a branch while eating an acorn.



A raccoon sits on grass.



A rabbit lies in the grass.



(left) A robin stands on a wooden pole. (right) A robin walks in the sun.

Animal	Phyla	Class	Habitat	Features
Squirrel	Chordata	mammal	temperate forest	Bushy tail, Paws that hold on to things well, warm blooded
raccoon	chordata	mammal	temperate forest	Paws that hold on to things well, night vision, warm blooded
rabbit	chordata	mammal	temperate forest	long legs big ears, strong smell, warm blooded
robin	chordata	aves	temperate forest	Claws, beak, wings, warm blooded
Cardinal	chordata	aves	temperate forest	Claws, beak, wings, warm blooded
bee	arthropod	insect	temperate forest	antennae, wings, tongue, cold blooded
ant	arthropod	insect	temperate forest	antennae, mouth parts, cold blooded
worm	annelid	oligochaeta	temperate soil	has intestines and mouth but no eyes, legs, or ears, cold blooded



A cardinal stands on same wood.



A frozen bee lies on the ground.



An ant walks on a leaf.



A worm slithers on the ground.

	Human	European hedgehog
Kingdom	Animal	Animal
Phylum	Chordata	Chordata
Class	Mammal	Mammal
Order	Primates	Eulipotyphlia
Family	Hominid	Eriopodidae
Genus	Homo	Eriopodius
Species	Homo Sapiens	Eriopodius Europaeus

FAST FACTS

Sea shells are the skeletons of mollusks like snails and clams.

Hermit crabs sometimes live in empty shells after mollusks die.

Shells grow at their edges.

You can hear the ocean in some larger shells.

EGG CASING

Where shells come from.

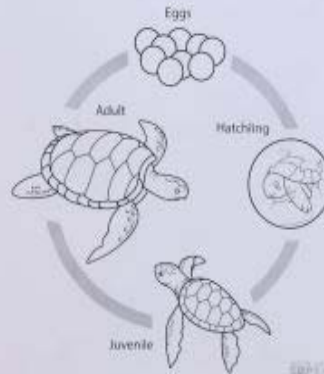


# ALL ABOUT SEA TURTLES

Which oceans do sea turtles live in?



## Life Cycle of a Turtle



Which fish help them stay clean?



What unusual food do they eat?



Which part of them protects them from the sun's rays?



# SLIME VARIATIONS!

AVA BARRETT  
VIVIAN DOWNES  
ALEXANDRA HUNT  
AYANA KARTHIK

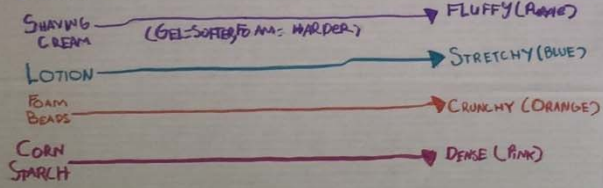


Basic Slime:

1. Glue
2. Boric Acid
3. Baking Soda

WHAT HAPPENS WHEN YOU ADD...

## VARIABLES



Slime With Gel/Foam Shaving → Cream



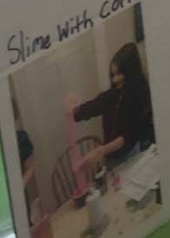
Slime With Lotion



Slime With Foam Beads



Slime With Corn Starch



# Turbidity

# Sensor

## What is a Photon?

A Photon is a device that you can connect sensors to and collect data from. It is a device that you have to code. Some sensors you can connect to a Photon include a moisture sensor, a photo sensor, and a temperature sensor. Also, you can access a Photon over the internet so you can access it from far away.

## My Plans For The Future:

In the future, I plan to make a water station to put in a lake. Some sensors I am thinking about putting on it is the turbidity sensor, the one I used for this project, and a temperature sensor made specifically for water. The sensors and photon would be in a waterproof container (except for the part that needs to be in the water) would be on a buoy and be powered by a solar panel.

## What is Turbidity?

Turbidity is the cloudiness or haziness of a fluid caused by large numbers of individual particles that are generally invisible to the naked eye, similar to smoke in air. The measurement of turbidity is a key test of water quality's pollution.

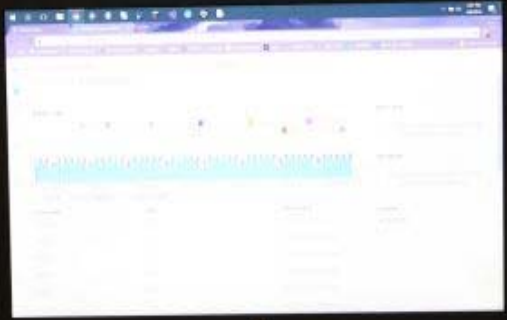
Turbidity is measured in NTU or Nephelometric Turbidity Units.

## PSEUDO CODE

Pseudo code describes what your code is doing in English. It helps you when you are showing someone your coding ideas because they don't have to look through the entire code to figure out what it does. You can write down your ideas for coding using pseudo code. The main purpose of pseudo code though is to help you figure out the logic of the code before you type it.

## PSEUDO CODE FOR PHOTON

- 1. Take the data coming from the turbidity sensor
- 2. Get what the value is from the sensor
- 3. Display every reading
- 4. Find the average
- 5. Figure out how clean/water is
- 6. Print how clean the average reading for the water is



MORE ABOUT SHELLS

ALL ABOUT SHELLS

FAST FACTS

• Sea shells are the exoskeletons of mollusks like snails and clams.

• Hermit crabs sometimes live in empty shells after mollusks die.

• Shells grow at their edges.

• You can hear the ocean in some larger shells.

EGG CASING

Where shells come from.



PICTURE OF EGG CASING



Name of shell

Turkey wing

Some people use the turkey wing shell to make seafood pies.

Name of shell

higher

Even a large piece of the shell and pieces are used to make fish.



Name of shell

Kidney shell

Even attached to coral or rocks.



Name of shell

Al. Florida line

Location of empty shells



Name of shell

Some people use the turkey wing shell to make seafood pies.



Name of shell

Some people use the turkey wing shell to make seafood pies.



Name of shell



Name of shell



Name of shell

Name of shell

ABOUT TURTLES



