

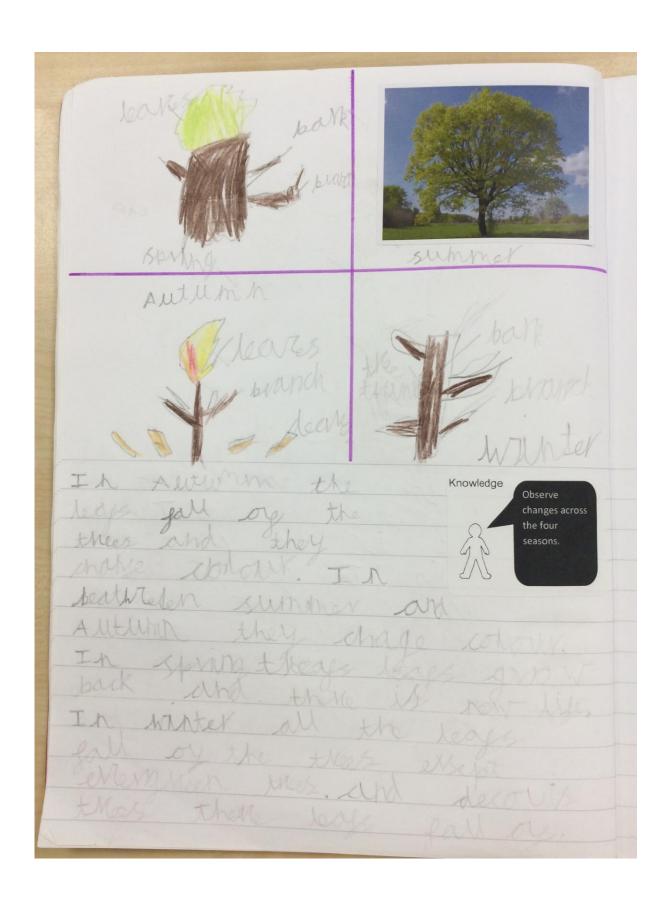
Science at Moorside

The following examples are from children who staff at Moorside Primary School have declared as 'expected'. A comment has been added to each example to show progression and coverage.

Biology Living Things and Habitats

 $\begin{tabular}{ll} Year 1 \\ \hline \begin{tabular}{ll} Observe changes across the four seasons. (Term 1) \\ \hline \end{tabular}$



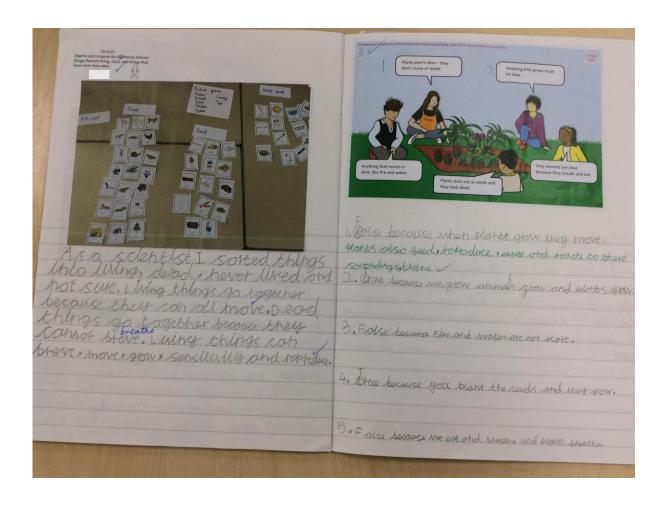


Observe and describe weather associated with the seasons and how day length varies.

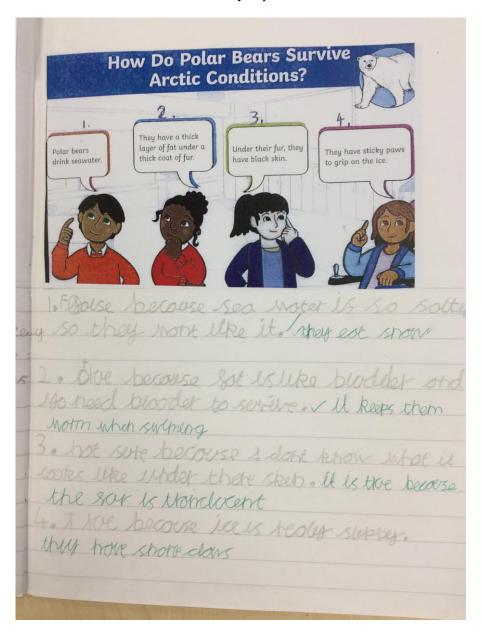
Showers so hot Atomic freezing.

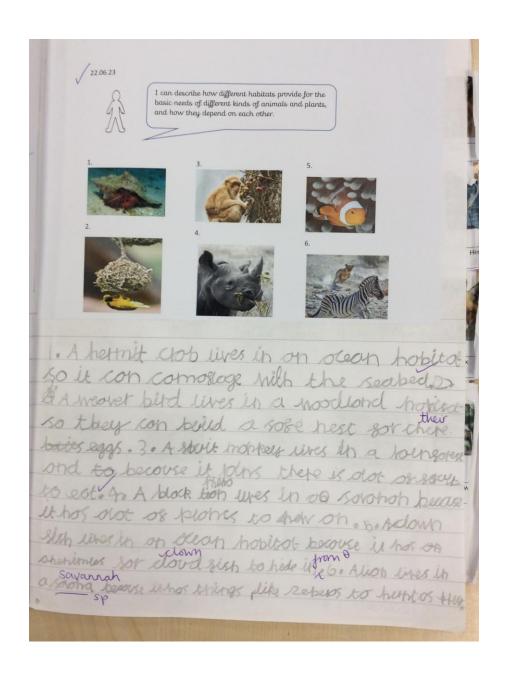
Anamais hach in some some of the snows in a on war for the reason a on the sound on the sound on the sound of the sum of the season a come up in Atum the season a come up in Atum the season a constant to chair in a transfer of the start of the season a character to their chair chair in Atum the weeks foredown.

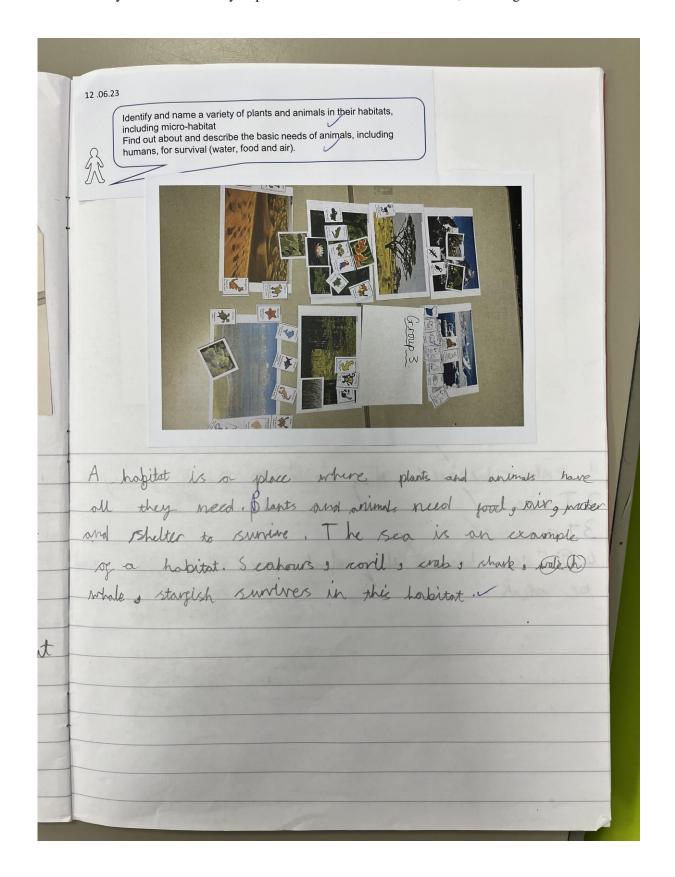
Explore and compare the differences between things that are living, dead, and things that have never been alive



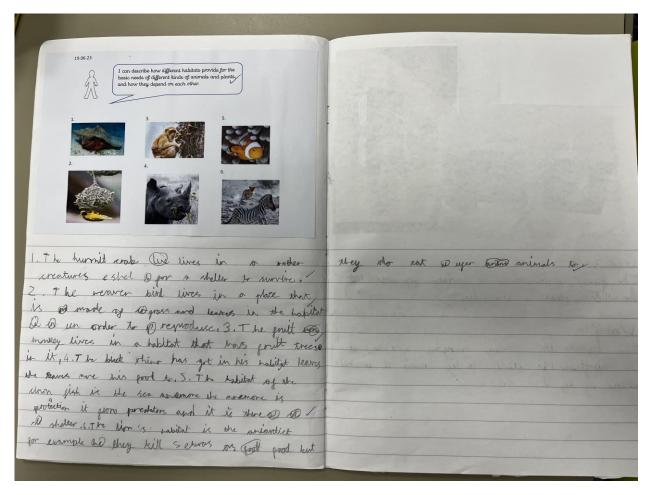
different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other



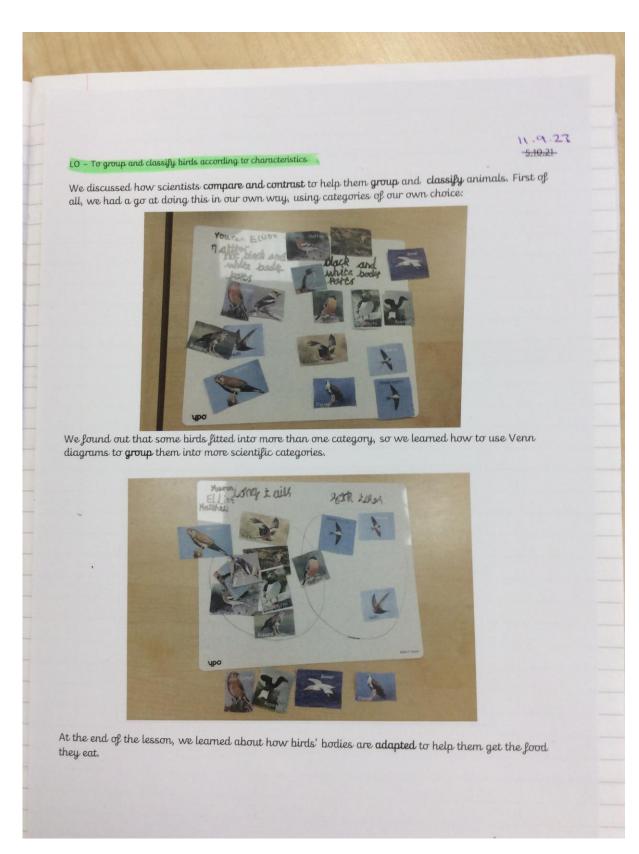


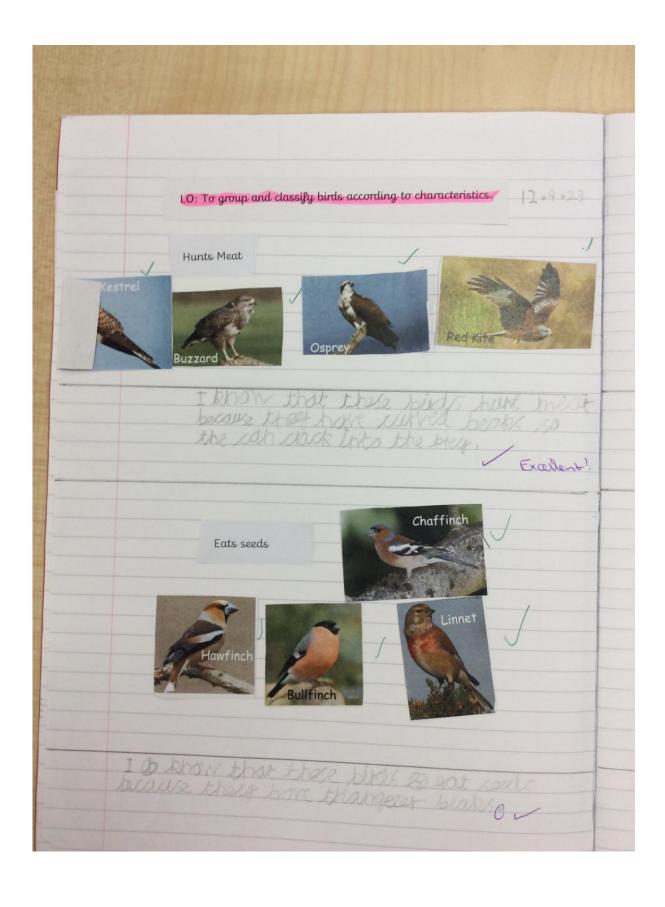


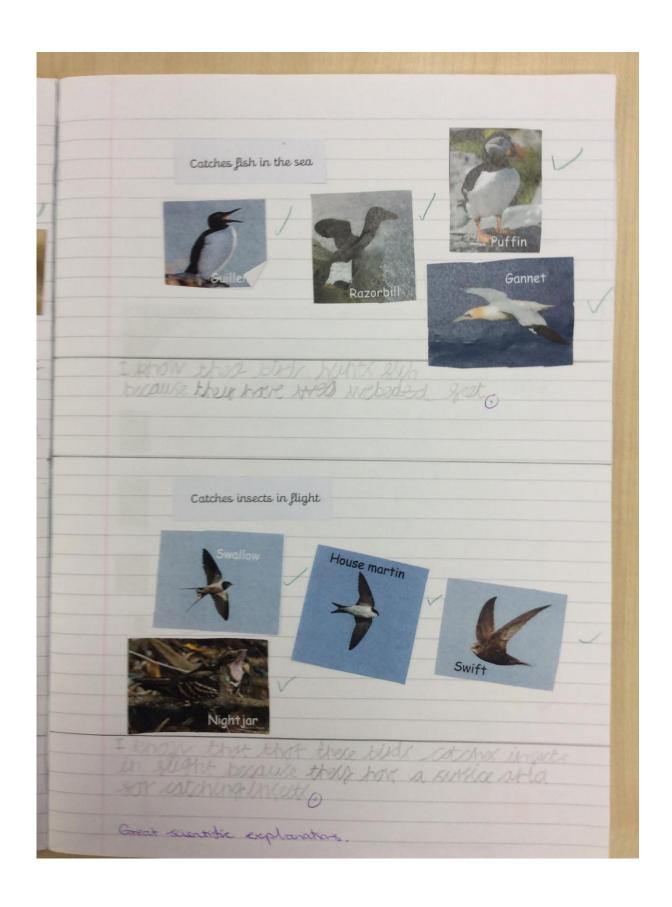
Describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food

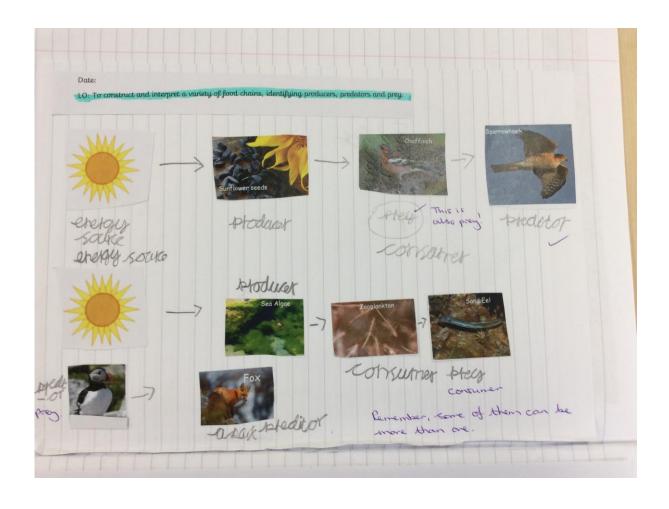


 $\label{eq:Year 3} \textbf{Recognise that living things can be grouped in a variety of ways.}$









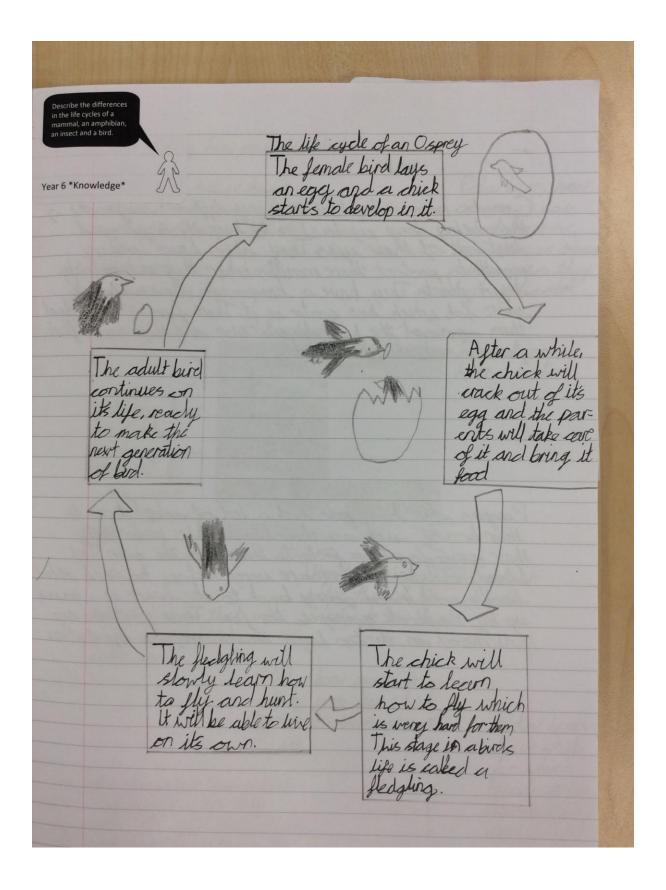
Photos pending

Describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including microorganisms, plants and animals.

Ratter Essay State Tooksdage Took State Tooksdage Tooks and animals based on specific characteristics.

Parter Front State Tooksdage Tooks and the state Tooksdage Too

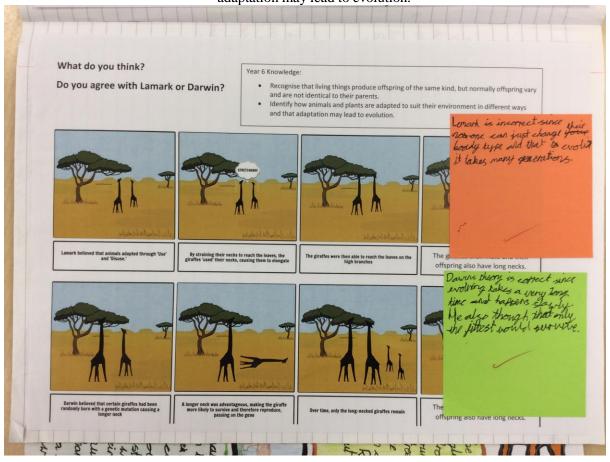
Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird.



Evolution and inheritance (Year 6)

Recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents.

Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.



Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.



Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution. Date: 10-1-22



I think these pires at how different beaks so they can survive in their environments. This means that the birds adopted their beaks as they can sat their prey easier.

I think that some of them what through genetic mutation which so they would have an advantige and survival better.

I think the birds with smaller beaks would be eat insects and worms since they don't need sharp beaks to hunt.

I think the more airedynamic birds would be burters since they would be able to each the prey



My beak was shaped as a pin which means that it would only pick up soft and small objects foods. In habitat, I, we could get a large veriagity of food and if it were to live there, it would survive quiet well since if one food source would dissaprear, ho it could go to a different food source. I habitat I however it sould not thrive and it was would die from starvation since it only could eat one food (corial). The food was a lot harder in paragraph I then I and the small pin could not penetrate the hard food enouge to be able to carry it back to its nest. st

Over all, the feed in partial I was better than the foodrum in parhabitat I for the beak.

w

20

Physical Description
It is a mammal overed
in fur from head to
toe. It can grow up to
two metres in hight and
langth. Its legs alone
zan grow up to 1.25
metres. Huge! It is
worm blooded, so
they don't need to.
rely on the trivioniment to regulate its
bedy temporture. It
has a short but
important tail. Since
it eats meat, it has
dozens of rawor
sharp teeth so
it can stand up
it has four legs,
it can stand up
on two, the tail
helps it to bolarse
when so it doze.
That tails cood,
isn't IL! Standing
on two legs me
are it can climb
as heeld a a
monkey It has
brown fur, so it
can canoullage
into the trees.

MONKEY

The minkey is a manual that can be found in the warm savonah and near jungles. It's topid pace means it can get away from predictors with ease. The minkey has four paverful lease which means it can alimb trees very well. It is a man rare sight to see but if you do see it it will either be in a den with its family or hunting its prey. Read on If you want to learn mor about the magnificent minkey!

Habitat and A daptations.
It will not come as a suprise to you, that the minkey's habitat is flat with some forests around it since this climate and seroundings gives it the best share of survival. This habitat has lots of food and water. These animals make a den (by trees) using slicks and leaves. They also choose to build here den out of sticks and leaves as they camoufle ge into the forest. Scary sharp claim, have been passed an athorophor generations. There ally getting sharper! Their huge and scary are gotting stronger so they can climb tres giuder.

This wonderful creature eats lots of meat to ensure it dosent die from starration and lack of williams, surce it was lots of authorits and callones in just one day. The white eats plenty of early spead sometimes even birds! This clear creature has a werl smart way of eatching lots of prey, since it will kill one animal by using its shoup talons and leaving it out to attract more animals to first kill them. However this strategy is good if a more powerful animal appears then it will lose all of prey. Once it has edlected enough hood, it will drag the prey back towards its base so the rest of the family gets to eat. Unsuprisingly, this animal will hund in day light becall se there are more enimals for it to hunt. Because this animal is a marmad the mother will feed milk to its offspring until it can hunt and go out of the den for water.

Behaviour
Within their den you go out of the den for water.

will be able to find a pack of 4-5 minkeys living together. The mak in the family you out and hunt for food while the female stays in the a or just out side it, leaching the offspring how to su in the wild. During night, the minkeys will be found steps in their cosy and You may think that would be hard to communicate but the minkey communicates by body is and hand monement. The minkey is odly similar to a liver and a monkey but whenever they come accross each they will just act normal.

LO: Independently plan investigation and explain plant elecisions, identify nariables to change, measure and the same in order for a lest to be four. 10: Identify how animals and plants are adapted to so their almonients in different ways. Eair test. Only one worm at a time. Exerper hispite sum beech. An equil amount of time. Only looking in 1 arein. Color Tally. Black Peach HH Orange Blue HH Green Yollow White Ruple Ruple	LO: Ina	opendantly plan investigation and explain plans
Color Tally Blue Httl Green Blue Green White White White	the sa	me in order for a test to be fair.
Ear test. Only one worm at a time. Everyon take the sum beech. An equil amount of time. Only I hard. Only hooking in I arein Color Tally. Black Peach HHT Orange Blue HHI Green White White	10:10	ally how unimals and plants are adapted to se
Ear test. Only one worm at a time. Everyon take the sum beech. An equil amount of time. Only I hard. Only hooking in I arein Color Tally. Black Peach HHT Orange Blue HHI Green White White	their	errhongents in different news,
Coly one worm at a time. Exercise has the sum beech. An equil amount of time. Only I hand. Only looking in I areia Color Tally. Black Peach HH Orenge Blue HH Green White White		1
An equil amount of time. Only I hard. Only looking in I areia Color Tally Rinh Black Peach III Orange Blue IIII Green White	· Only o	ne worm at a time.
Color Tally Rinh Black Peach III Orange Blue IIII Green White	· An equi	anount of time.
Color Tally Rink Black Peach Htt Orange Blue Ht Green Yellow White	· Only 1	hand.
Peach HH II Orange III Blue HHIIII Green IIIII Yollow II		
Black Peach III Orange Blue IIII Green White	Color	Tally
Peach HH II Orange III Blue HHIIII Green IIIII Yollow II	Pinh	
Peach 4Ht II Orange III Blue 4HIIII Green IIIII Yellow II White II	Black	
Orange III Blue HHIIII Green IIIII Yellow II		
Blue HHII] Green III] Yellow II White II	Peach	HH 11
Blue HHII] Green III] Yellow II White II	Orange	111
Green III I) Yellow II White II		
Yellow II White II	DAUL	
White 11	Green	111 1
White 11	Yellow	
Purple HHI	White	11
7441	Purple	1143

Color	Number
Light Pink	39 44
Peach	453
	38
Dark, Pink	21
Black	1.2
Vell	43
Light Blue	57
Dark Blue	35
White	32
Green	45

Since the worms came in a big variety of colours, some had a better advantige to survive, then others. The secret was winter so the ground would be covered in clark brown leaves and read bushes and trace. This means that the black coloured worms would camoull age in so it was very hard to find them in the leave Light blue and Reeach stored out in the black leaves so the would moor likely to be eaten in the winter.

This will all change if a few monts pass on and the grass and bushes will be green so the green worms will survive.

he investigation into what coloured worms have an advantage to survival.

In experient took place in the school orchard by the Moorside Tear 6 children. They did this to investigate what coloured worms had the heat chance of surrival and thriving. The worms were represented by little piceises of coloured string. The worms were collected by the children and wooden begs were used as beaks.

The test was kept fair because some rules were established. These were: a specific amount of time (20 murutes) was allocated to the people taking part, only one worm was allowed to be collected at once, all of the leaks used by the participants were the same and one area was used to local the worms.

Once he alterated time lapased, Al of the worms were counted and recorded A discussion hoppened about why there were numerous more light the worms then black, which there was reero of. Since no black worms were found by the participants, they would thrive in the environment and go onto reproduce and have offspring. The offspring will inherit the good traits and likely survive. If this emperarent took place in the summer, the green worms would have a hope advantage since they were camofrage into the grees and go onto be very successful.