

Living Things & Their Habitats

Science Project

This week we are going to focus on a Science project although there are some links to other subject areas.

In Year 4, one of our Science units is Living Things & Their Habitats. We thought it would be good to do some work based around the learning we would have done in our Science lessons at school.

There are three main things that we have to learn in Year 4 for this unit. If you try some of the ideas from this week's project you should be well on your way to ticking off the learning intentions that we would have covered in school.

You don't have to do them all, pick your favourites!

Visit the Denso Marston nature reserve. There are loads of living things to spot here at the moment.
<http://www.dm-naturereserve.org.uk/habitat.html>

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To show that living things can be grouped together in various ways.

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To explore and use classification keys to help group, identify and name a variety of living things.

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To explain that environments can change and that this sometimes means that living things are put in danger.

Feel free to do some research of your own and don't forget to send your work to yearfour@thackleyschool.com

Living Things & Their Habitats

To show that living things can be grouped together in various ways.



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Year 3 Revision

In Year 3 we learnt about the 7 life processes, can you remember what they are?

I'll give you a clue ... MRS GREN or MRS NERG

We can put animals into 5 different groups. Can you think of the animals that would go into each group?

Can you spot any animals from these groups when you go on your daily walk?

REPTILES

MAMMALS

AMPHIBIANS

FISH

BIRDS

Animals can also be grouped by nutrition. Can you do some research to find out what these labels mean and what these animals can eat?

CARNIVORE

OMNIVORE

HERBIVORE

Can you make a poster that shows how you know something is alive?

Can you group some animals by nutrition?
Which animals are herbivores, carnivores or omnivores?

Make a factsheet for your favourite animal, including the groups it belongs to.

Living Things & Their Habitats

To explore and use classification keys to help group, identify and name a variety of living things.

Activities to help you learn about classification keys at home:

- ❖ Either in your garden or when you are on your local walk, make a list or photograph all the living things that you see. Look under stones and logs, you will be amazed at the amount of living things you can find! Remember to include trees and plants, they are living things!
- ❖ Make an information booklet about one of the living things that you found including scientific vocabulary, pictures with captions and facts.
- ❖ Watch the video about classification keys on BBC Bitesize
<https://www.bbc.co.uk/bitesize/topics/zxjj6sq/articles/z9cbcwx>
- ❖ Classification keys usually have statements or questions that describe some of the features or characteristics. You have to answer either yes or no. Your answer will then take you to another question or statement OR the type of living thing. Click here to see some examples and then see if you can make one of your own.
<https://www.schoolsofkingedwardvi.co.uk/ks2-science-year-4-1a-living-things-classification/>
- ❖ Can you solve the SATS question. Mr Waddington has created a challenge for you on YouTube. <https://youtu.be/CupP4W-4Puo>
- ❖ Complete the classification Kahoot challenge https://kahoot.it/challenge/07176975?challenge-id=1605c527-67ee-41fd-958f-037add5cd41f_1589034022378

YouTube
Challenge at
<https://youtu.be/CupP4W-4Puo>

Make your own
classification key.
You can choose the
animal or plant.

Can you make a
classification key for
something that isn't
living? (Clue=sweets)

Check out Chester Zoo's
YouTube channel where you
can even go on a virtual visit.
<https://www.youtube.com/user/OfficialChesterZoo>

Living Things & Their Habitats

To explain that environments can change and that this sometimes means that living things are put in danger.

Activities to help you learn about changing environments at home:

- ❖ Animals are adapted to suit their environment. However if the environment changes they may no longer be able to survive and reproduce. A change in environment can cause extinction. When a species is at risk of extinction, it is endangered. Over 1,100 animal species and over 700 plant species are classed as endangered or threatened. Watch the BBC Bitesize clip to learn how humans can change the environment
- ❖ <https://www.bbc.co.uk/bitesize/topics/zp22pv4/articles/z2md82p>
- ❖ Plastics in the ocean are putting marine life in danger of extinction. Can you create a poster to encourage humans to reduce their use of plastics?
- ❖ Can you write a balanced argument about whether plastic bags should be banned. Click here <https://www.bbc.co.uk/bitesize/clips/zm3nvcw> to see a great clip on writing a balanced argument.
- ❖ Do some research on Climate Change and how it affects animals living in our poles. <https://www.wwf.org.uk/learn/love-nature/frozen-world> has lots of activities and information to help you learn about our planet's poles.

Create a poster that teaches humans about plastics in the ocean and the danger it poses for marine life.

Write a balanced argument about whether plastic bags should be banned.

Build a pop up habitat for polar bears!
https://www.wwf.org.uk/sites/default/files/2020-05/Artic_Pop_Up_Habitat_LTLN.pdf

Living Things & Their Habitats

Writing

There are lots of writing opportunities for this project. You can write a letter to your MP to ask them what they are doing to reduce pollution in your local environment!

Maths

Check out the Maths lessons on White Rose at <https://whiterosemaths.com/homelearning/year-4/>
There is a great activity for perimeter. If you were building an enclosure to protect an endangered species you would need this skill!

Geography

We know the impact humans are having on some animal habitats, but our habitat is also being affected by something called coastal erosion. Can you find out what this is?

History

Did you know that the Ancient Egyptians use to have pets? Do some research about animals being used as pets. You could even make a classification key for some of these ancient animals!

Reading

Read your favourite animal themed book or listen to part of this story for free!
https://stories.audible.com/pdp/B002V8HAG6?ref=adbl_ent_anon_ds_pdp_pc_pg-1-cntr-0-13

Art

Draw, paint or make some amazing animal art. We've already seen some fantastic salt dough creations, what other materials could you use to make some 3D art?

Music

Try the Plastics Music Unit at Yumu. Here are the instructions!
Go to <https://www.bradfordmusiconline.co.uk/yumu/login>
Enter your username and password in the boxes on the screen.
Your username is: p1235567
Your password is: lemon

Computing

Have a look at this classification key that a pupil made on Scratch
<https://scratch.mit.edu/projects/229598121>
Click on Remix and make your own version.

Remember you can contact us at
yearfour@thackleyschool.com