

# Hub B Year 4 Home Learning

10th May 2021

#### <u>Reading</u> Day 1

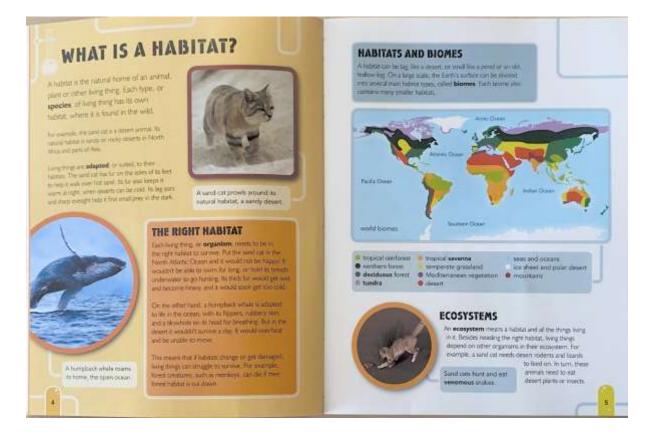
This week we are looking at a non-fiction text called Habitats by Anna Claybourne We are going to be looking at the skill of clarifying.

What is a **species**? I think the word species means.... What does the word **adapted** mean? I think the word adapted means.... What is a **habitat**? Why is it important to have the **right** habitat?

Clues	Look for clues! Circle words, think what phrases could mean, look for question words / instructions
Locate	Find where the answers might be on the page and in the text. (Skim and scan)
Explore	Read around—is the answer before / after that word/ phrase or sentence?
Answer 📡	Write the answer—to the point!
Re-read <b>©</b> Ø	Re-read and check-does what you have writ- ten match the question?



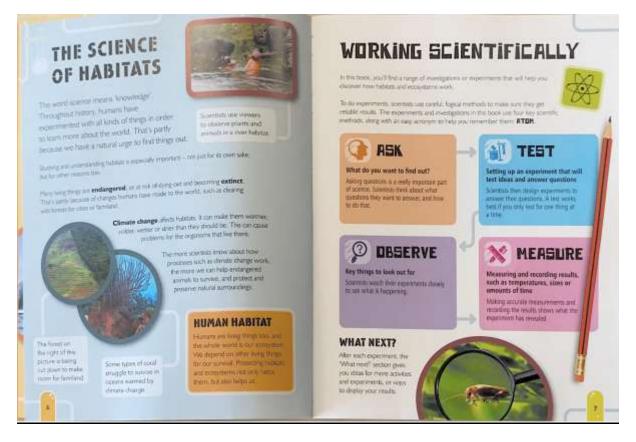
#### Describe what an **ecosystem** is.





## <u>Day 2</u>

Read the text and complete the questions below.



# Why is the **coral reef** struggling to survive?

The coral reef is struggling to survive because...

#### What does the word endangered mean?

I think the word species means.... Where have you seen this word before? Can you make a connection?

What does the word **extinct** mean? *I think the word extinct means.... How does climate change* affect *habitats*?

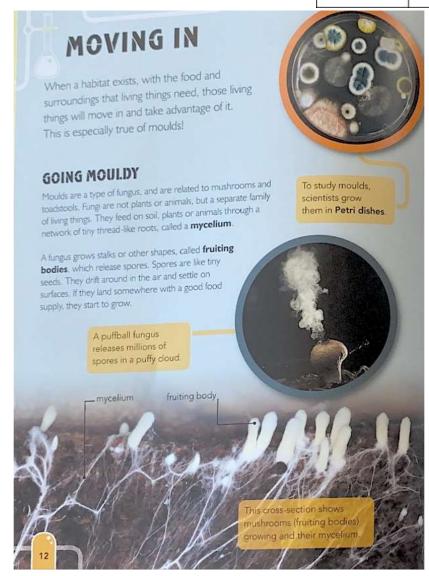


## <u>Day 3</u>

Using the sentence stems below, clarify the meaning of any words or phrases you are unfamiliar with.

I think that means... I didn't understand... What does [...] mean? I need to reread this part because... [...] is a tricky word so I need to... I didn't understand [...] so I could... Let's reread this part because it didn't make sense

Clues	Look for clues! Circle words, think what phrases could mean, look for question words / instructions
Locate	Find where the answers might be on the page and in the text. (Skim and scan)
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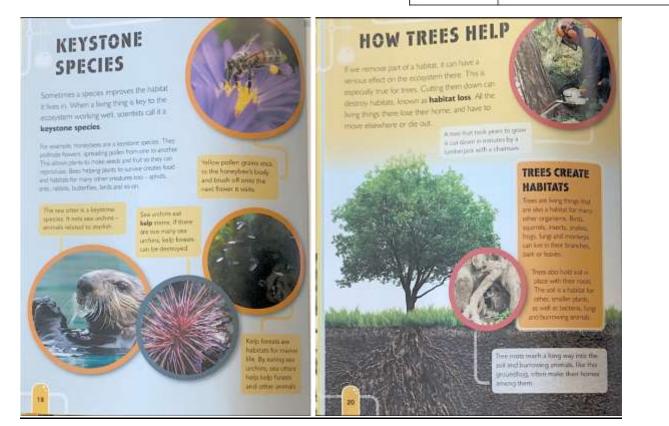


#### <u>Day 4</u>

Read the questions below and answer the following questions.

What is the difference between **predator** and **prey**? The difference between predator and prey is.... How do living things survive in **harsh habitats**? Living things survive harsh habitats because... How do seals, whales and polar bears survive swimming in cold waters? These animals survive swimming in cold waters because....

Circle words, think what phrases could mean,
look for question words / instructions
Find where the answers might be on the page
and in the text. (Skim and scan)
Read around—is the answer before / after
that word/ phrase or sentence?
Write the answer—to the point!
Re-read and check-does what you have writ-
ten match the question?





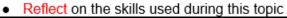
# Maths

Activity	Child			
	1	2	3	4
10 Star Jumps				
10 Burpees				
Lap of the				
playground				

#### LI: To investigate time to the nearest second.

#### Context: Application

- Identify the start or end time
- Time the duration of the activity
- Record your activity times



#### <u>Key Vocabulary:</u>

Hour, Minute, Second, O'Clock, Quarter To, Quarter Past, Half Past, Digital, Analogue, AM & PM

(Picture of children outdoors timing physical events)

### Reflection:

#### Learning journey

- 1. What went well? (Think about school values, your attitude to learning)
- 2. What did you find challenging? How did you overcome this?

#### Character skills

3. When did you show the character skill integrity?



11 12

10

8

9

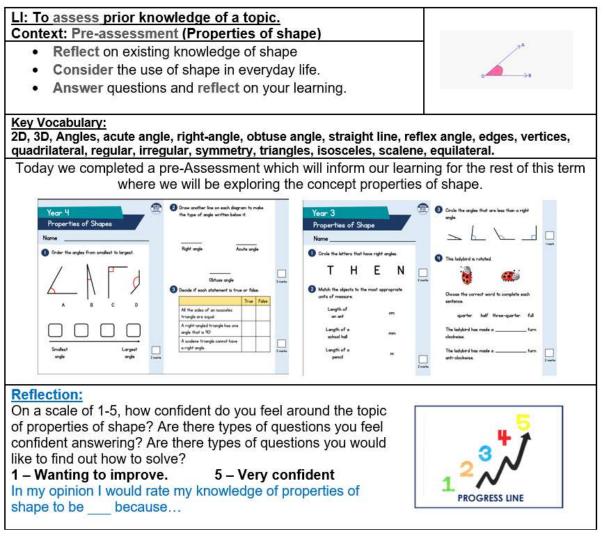


## Lesson 2:

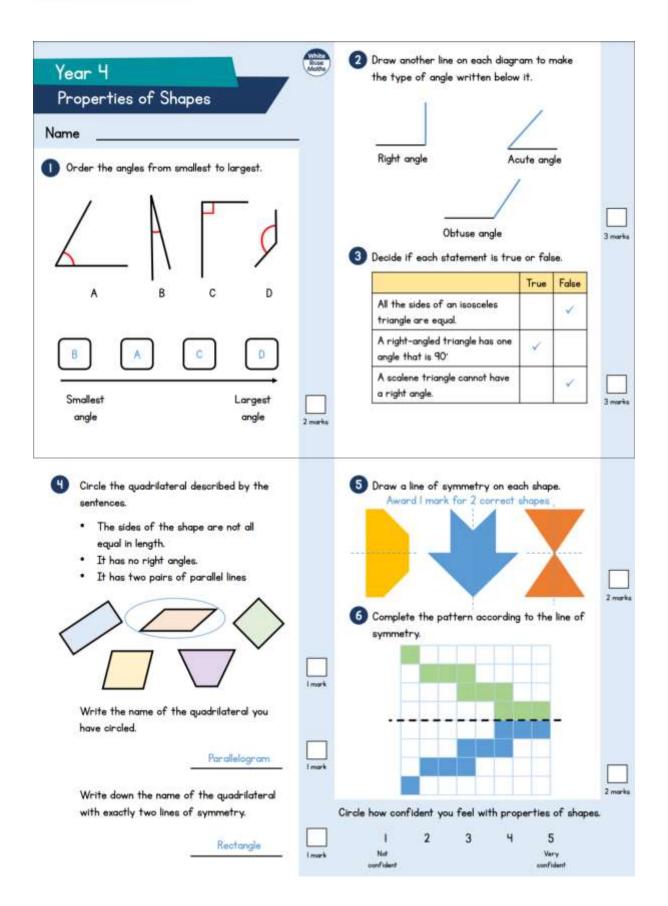
LI: To convert between analogue and digital.         Context: Outcome (Time)         • Read the problem carefully         • Decide on the steps you need to take to solve the problem         • Work collaboratively         • Explain and justify your answers.	11 12 1 10 2 9 3 8 4 7 6 5
Photo	



Lesson 3:









#### <u>English</u> Lesson 1

LI: To Determine what are facts and opinions.	
<ul> <li>STS:</li> <li>Determine the difference between fact and opinions.</li> <li>Decide what statements are facts or opinions.</li> <li>Generate our own facts and opinions on a topic.</li> </ul>	FACT OR OPINION?

- 1. What is an opinion? What is a fact?
- 2. Generate 5 opinions on something you like and say why: For example: The movie Frozen is the best movie in the world!
- 3. Generate 5 interesting facts on something you like: For example: Tigers have striped skin, not just striped fur.

Lesson 2

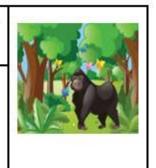


LI: To research information for a non-chronological report.

Context - Gorillas

STS:

- Recap the features of a non-chronological report
- Research relevant information using lpads.
- Record key information as bullet points under subheadings.



 Go to the following website link: <u>https://www.worldwildlife.org/species/mountain-</u> <u>gorilla#:~:text=As%20their%20name%20implies%2C%20mountain,temperatures</u> <u>%20often%20drop%20below%20freezing</u>.

Research information (facts and statistics) about the following sub-headings:

- General information (population etc).
- <u>Behaviour</u>
- <u>Habitat</u>
- <u>Diet</u>
- How can people help?
- Interesting/fun facts

### <u>Lesson 3</u>

LI: To plan for a non-chronological report Context: Gorillas	
<ul> <li>STS:</li> <li>Identify appropriate vocabulary for our reports.</li> <li>Select appropriate synonyms to improve our writing.</li> <li>Plan the layout of the non-chronological report.</li> </ul>	<b>A</b>

Today you will plan your non-chronological reports: Look at the following non-chronological report:



# Gorillas

Gorillas live in the high mountains of Rwanda, Central Africa. They travel in packs of 30 or less. They are an endangered species. Just like humans gorillas have 10 fingers and 10 toes, forward looking eyes enormous nostrils. They are very intelligent animals and have clever ways of finding food. They live 40-50 years. They are our closest relatives.



#### Diet

Gorillas eat lots of different foods, such as leaves, vines, bamboo, plant shoots, stinging nettles and tree bark. They also eat small insects and termites. Gorillas get sufficient water from the plants they eat.



#### Description

Gorillas have 2 arms and legs, small ears on the side of they are black, but the elder male has a silver back. T teeth and have longer hairs and shorter arms. The elder silver back when he turns 14-15 years of ag

#### Habitat

Gorillas live in the dense forests high up in the mountain feet up. It is cloudy, misty and cold up in the mountains Gorillas are the rulers of the forests.

#### Behaviour

They nest in trees and groom each other. They play with and sometimes the males wrestle for fun. Gorillas cause unless they feel threatened. The silver back leads the par food and looking after his family. They walk flat footed, their knuckles as pads. Sometimes they use their chest of drum. They communicate by using gestures, body postur many more.

Lay out your non-chronological report and bullet-point relevant information underneath. You can also draw or print a picture if you wish!



## <u>Global – Lesson 1</u>

#### LI: To express and justify an opinion Context: Animal welfare

STS:

- To understand the impact of key historical events on animal welfare
- To research different types of animal farming and their effect on the welfare of animals
- To reflect on how we can improve the welfare of farm animals

## Key Vocabulary: Animal rights welfare free range organic humane

Today, you will research animal welfare and what impact the Animal Welfare Act (2006) and animal rights movement has had on animal welfare.

Look at the following farming methods and reflect on the following questions:

What factors are important for an animal's wellbeing?

What are the effects of the different farming methods on animals?

What can be done to protect their welfare?

### Animal welfare:

Welfare generally refers to "the quality of an animal's life as it is experienced by an individual animal". Welfare includes not only the health and physical wellbeing of the animal, but the animal's psychological wellbeing and the ability to express its own important behaviour. Welfare can be described as high if the animals are fit and healthy, feeling good and free from suffering.

### The welfare Act (2006)

The **welfare** of all farmed **animals** is protected by the **Animal Welfare Act** 2006 which makes it an offence to cause unnecessary suffering to any **animal**. The **Act** also contains a duty of care to **animals** - anyone responsible for an **animal** must take reasonable steps to make sure the **animal's welfare** needs are met.

Animal-rights activists had changed the way many people view animals. They had convinced many people not to eat meat. They even convinced some large companies to stop experimenting on animals. Scientists have come up with new ways to test products, and schools can now use computer programs to teach students about the insides of animals.

### <u>Fish farming:</u>



- Fishing is one of the oldest forms of hunting. For thousands of years we have fished freely from our lakes, rivers and seas. But overfishing in the 20th and 21st centuries means we are in danger of catching fish at a faster rate than they can reproduce.
- New rules have been agreed internationally to control how much we fish.
- Future fish stocks could be in danger if we do not follow these rules.

Provides jobs in rural and coastal communities.	Damages the seabed under the nets due to excrement and waste from the fish.	Allows for more fish, molluscs, crustaceans, shellfish and seaweed to be grown.
Produces fish which can be sold all over the world.	Increases availability of Atlantic salmon and rainbow trout.	Helps the economy by providing jobs and trade exports.
The welfare of the fish is not well regulated.	Reduces cost to the consumer making fish an accessible food.	Chemicals are used to help the fish grow.
Fish can be kept in overcrowded nets.	Diseases and lice amongst fish spread quickly.	Takes up large amounts of space in Scottish sea lochs.

### Factory farming:



• Intensive farming methods, where farmers try to maximise the amount of food they can produce, have had an impact on the way farm animals are raised.

• Farming poultry, especially chickens, grew rapidly in the second half of the 20th century. Once an expensive

treat, chickens are now cheap to buy.

• To produce cheaper meat, animals are often raised in 'factory' conditions in vast indoor sheds. Many people are concerned about the conditions animals are reared in to produce meat.

#### Free range farming:



**Free range** denotes a method of <u>farming husbandry</u> where the <u>animals</u>, for at least part of the day, can roam freely outdoors, rather than being confined in an enclosure for 24 hours each day. On many farms, the

outdoors ranging area is fenced, thereby technically making this an enclosure, however, free range systems usually offer the opportunity for the extensive locomotion and sunlight that is otherwise prevented by indoor housing systems. *Free range* may apply to meat, <u>eggs</u> or dairy farming.



# **Reflection:**

How can you improve the welfare of farm animals?

In my opinion, to improve the welfare of animals you can . . .



## Lesson 2

LI: To express and justify an opinion Context: Animal welfare debate

<u>STS:</u>

- To recap the benefits and disadvantages of different types of animal farming
- To engage in class debate
- To justify an opinion using evidence from research

Today, you will use the cognitive strand of the Oracy Framework to form an opinion about the benefits and disadvantages of animal factory farming.

Use the persuasive sentence openers and facts from the previous lesson to justify your opinion. Share your thoughts with someone at home. Do they agree or disagree with you?

Cognitive	Persuasive sentence openers:
Content - Choice of content to convey meaning & intention	In my opinion
	I think that
Building on view of others	Furthermore
	Additionally
tructure Structure & organisation of talk	However
	For instance
Clarifying & Summarising - Seeking information & clarification through questioning - Summarising	An example is
	On the whole
	<b>–</b>
	Key vocabulary:
elf Regulation	
<ul> <li>Maintaining focus on task</li> <li>Time management</li> </ul>	Animal welfare
	Humane
Reasoning - Giving reasons to support views - Critically examining ideas &	Free-range
	Battery farming
	Intensive farming

#### **Reflection:**

What is a top tip for helping consumers make informed choices about farm animal produce?

In my opinion, consumers can make informed choices about farm animal produce by . . .



#### <u>Science</u>

LI: To carry out a scientific experiment.

#### STS:

- Explore and discuss existing devices used.
- Plan and solve a problem on the spot using recycled items.
- Critically analyse our own and others work.
- Apply feedback and refine creations.



Today we will be creating a self watering device. Before you start, have a think about what devices are already out there. Once you have done that, you will become a problem solver using the 5 step activity plan below.



#### You will need:

Building materials such as yoghurt pots, plastic bottles etc, as well as tape and glue; several large plant pots, compost and plants.

#### 1.

This hands-on making activity will put your knowledge to the test and improve your communication skills.

Sometimes you have to solve a problem on the spot. Today you will need to make something using just the materials listed. What do you think you might learn from doing this?

#### 2.

You have 15 minutes to create a device to allow a plant to get water itself.

3.

At the end, it's peer review time. Ask your adult or siblings to assess your device and give you feedback on how you can improve it.

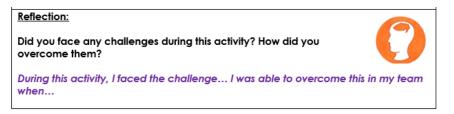


## 4.

Allow five more minutes to act on your feedback by refining your creation.

#### 5.

When time is up, take a look at your final creation. What have you learned from this activity?



## <u>RE</u>

 LI: To demonstrate acts which protect and care for living

 things.

 Context: Humanism

 SIS:

 • To understand that not everyone has the same beliefs.

 • Discuss humanism and their beliefs.

 • To apply skills to activities that have a positive impact on the environment.

## Who are humanists?

Humanists do not believe in a god. They believe it is possible to live a good and fulfilling life without following a traditional religion.

They do not follow a holy book either. Instead, Humanists value traits like reason and rely on science to explain the way things are.

Humanists believe that people have one life to live - there is no afterlife. As a result they focus on being happy and making the most of their life. They also believe they have a duty to support others.





Today you will be completing some activities that reflect the beliefs of Humanists.



Use these examples to help you.





Find your favourite origami online to follow. Use scrap paper for this activity.



Once you have completed your bird feeder, fill it with bird seeds and place it outside.

<u>Art</u>

LI: To create observational art in the style of an artist.



This week, we will be drawing the outline of our final outcome. Our final outcome will be a drawing of a gorilla and look similar to this:



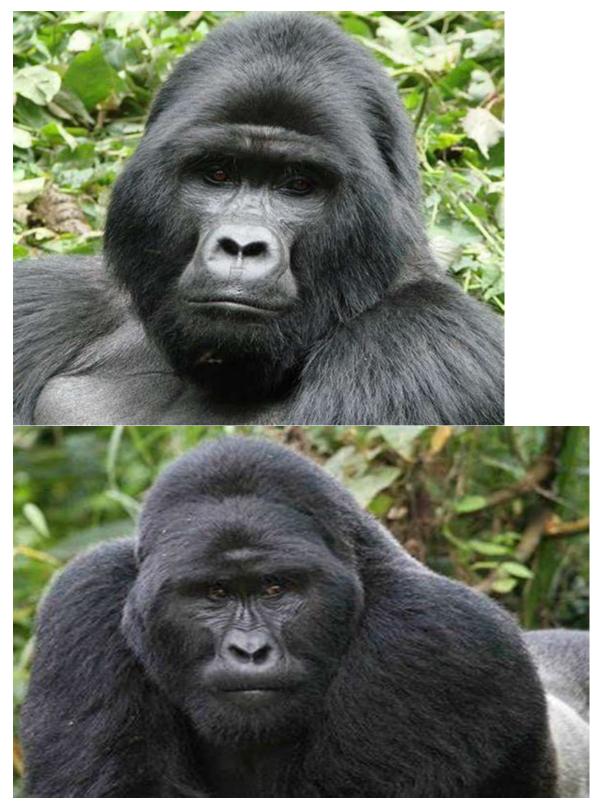
Before we can get here, we need to draw the outlines of our gorilla and then for our next session we will add more detail using charcoal and white chalk. Select one of the following images to recreate and then draw the outline and sections of the face using a pencil.











**ENSURE YOU TAKE YOUR TIME TO ACHIEVE THE HIGHEST QUALITY** How can we use previous lessons to help us achieve our final outcome?