

## Science and the Wider Curriculum - Planning and Ideas



**Week Commencing: 11.05.20**

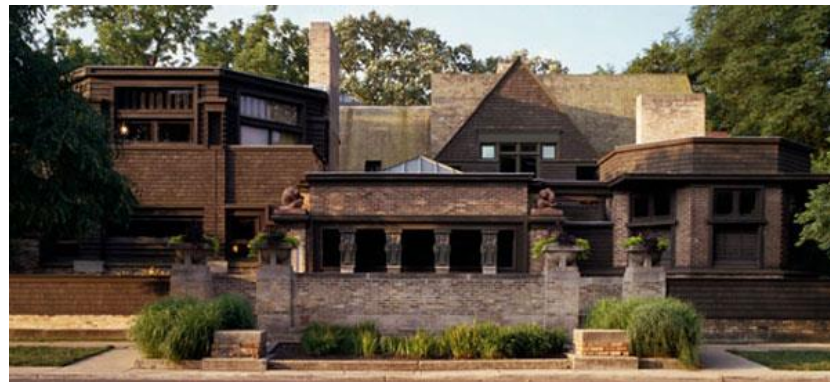
**Year Groups: 5/6**

	Monday	Tuesday	Wednesday	Thursday	Friday
<b>Area of Learning</b>	<b>Subject: PE</b>  <b>LC: To create a game to develop jumping skills</b>	<b>Subject: Art</b>  <b>LC: Can you create a building in the style of Frank Lloyd Wright?</b>	<b>Subject: Science</b>  <b>LC: Can you explain why some species of animals are becoming extinct?</b>	<b>Subject: History</b>  <b>LC: Can you begin to order events from pre-history on a timeline?</b>	<b>Subject: Music</b>  <b>LC: Can you repeat a rhythm?</b>
<b>Activity</b>	<p><b>Starter</b> Remember that all PE lessons should begin with a warm up. Your warm up think week is a game of tag (in a suitable space outside). The first person to tag another 5 times, is the winner of the game.</p> <p><b>Main lesson.</b> Your lesson today requires you to be creative and to use your imagination.</p> <p>Last week you put together a game to develop your throwing skills. I must say that we were impressed with the games that some of you shared.</p> <p>This week we would like you to make up a game to develop jumping skills.</p> <p>The choice is yours.</p>	<p><b>Starter:</b> <u>Architecture</u> means designing and constructing a building. You might want to start by looking at some examples of famous architecture by searching for 'Famous Buildings' in Google. Which one is your favourite? Which ones did you recognise?</p> <p><b>Main Teaching</b> Today, we are going to be learning about a famous American architect called Frank Lloyd Wright. Wright believed in designing <b>unique</b> buildings which <b>fit into</b> the environment and nature around it.</p> <p><b>Task 1</b> Look at the pictures below and write down the answers to the following questions. 1. How does the building fit into the environment around it? (Think about shape, materials and colours)</p>	<p><b>Resources:</b></p> <ul style="list-style-type: none"> <li>Internet access</li> <li>Research template below</li> </ul> <p><b>Starter</b> Watch this video to get a flavour for what we will be thinking about today: <a href="https://www.youtube.com/watch?v=7k8CcAU2Lt0">https://www.youtube.com/watch?v=7k8CcAU2Lt0</a></p> <p><b>Main Teaching</b> Read through the slides below to find out more about the topic we are looking at today.</p> <p>The term endangered is a commonly used one when it comes to the animal kingdoms, but do you know what it means for a species to become 'endangered'?</p> <p>Do you have any ideas about which species are endangered? How did they get to this point? This lesson is going to give you time to do some research of your own before we</p>	<p><b>Resources:</b></p> <ul style="list-style-type: none"> <li>Internet access</li> <li>Timeline cards below</li> </ul> <p><b>Starter</b> Make a list of 10 key events in your life so far and plot them on a simple timeline. Think about the dates that you use, how you space the events on the line and how you decide which events (out of many) you would consider significant.</p> <p>It might be interesting to get another person in your household to do this as well and then compare them – are there any times where you have noted the same event? Was it for the same reason?</p> <p><b>Main Teaching</b> We have used timelines many times before in class</p>	<p><b>Resources:</b> Internet access (Optional) Pan/spoon or something to tap! <a href="https://www.durhammusic.org.uk/bubblegum-rockin-rhythm-friday-episode-2">https://www.durhammusic.org.uk/bubblegum-rockin-rhythm-friday-episode-2</a></p> <p><b>Main Teaching and Activity</b> Listen to the 'Bubblegum' rap from Mrs Sellars from Durham Music Service. Join in with the clapping/tapping rhythms on the video – you might feel a bit silly at first but just have a go! Your family might want to join in too 😊</p> <p><b>Extension</b> Can you come up with your own words to the rap with either the same rhythm or different rhythm? It could be really silly and doesn't have to make sense. Here's one I did - (Eg. 123 123 1,2,3 Counting is very fun with me.) If you are feeling brave, you could record your little rap with some accompaniment and send it to us. Or even just send over your words!</p>

<p>The jumping could be a range of different jumps eg, standing jump, vertical jump, long jump or a mixture of all. You might even have your own ideas which I'm sure will be much better than mine.</p> <p><b>SAFETY</b> Please take care when jumping. We don't want you to have any accidents and bump into any furniture around the house. If you get chance, this could be a good activity to complete outdoors.</p>	<p>2. What different shapes can you see? 3. Do you like the building and would you like to live there? Why? <i>There are MANY more pictures of Wright's architecture online if you are interested in looking at more.</i></p> <p><b>Task 2</b> Look at the picture in Task 2 below. It is the Grand Canyon in America. Imagine you are Frank Lloyd Wright and someone has written to you asking you to design a house for them. Read the letter below.</p> <p>You have two options here, depending on the materials you have or what you would like to do.</p> <p>Option 1 – Use cereal boxes, toilet rolls, old cardboard (anything unwanted you have lying around your house!) to create the building that you would design in this area. Option 2 – Use pencil and colours to draw the house that you would design here.</p> <p>We would love to see your completed designs!</p>	<p>begin to look at conservation work in our next few lessons.</p> <p><b>Task</b> Choose one of the four animals from the slides and create a mind map in two different colours – use one colour to list the threats that it faces, e.g. poaching, and use the second colour to find out and note down what is being done to save these creatures – you will need to do a little bit of research for this activity but it is up to you how you present your mind map.</p>	<p>but do you know what is meant by the term prehistory?</p> <p>This is the part of history that happened before written records began – for Britain, this includes all of the BC section of a timeline, right up until AD 43 when the Romans invaded.</p> <p>Prehistory covers a number of significant periods of time, some of which we will be looking at in more detail in the coming weeks.</p> <p>Remember, our timelines are made up of two sections, BC and AD and they work like a number line.</p> <p><b>Task 1</b> Draw a simple timeline with both BC and AD labelled clearly. Use the date information to add the cards onto your timeline or copy these by hand onto your own copy.</p> <p><b>Task 2</b> Take a look at the prehistoric periods that we will be covering – choose one and begin to find out a little bit more about it. Make bullet point notes about what you found out and keep these safe, they may come in handy during our next few history lessons.</p>	
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## Tuesday Art

### Task 1 – Frank Lloyd Wright Pictures



## Task 2



Dear Mr F. L. Wright,

*I am writing to you because I really admire you as an architect and I want you to design a house for me. I have recently purchased this plot of land in the Grand Canyon and I want a house built for myself, my wife and my three children. Money is no object as I am a millionaire!*

*I love the way that you always design buildings which suit their natural environment. I like the way that you think about how the light would enter the building and where the shade would be. I would also like to leave in this tree as it is very old. You may have to think about how it will fit around the house.*

*Yours sincerely,*

*PL Wilson*

## Science Activities

### What Is an Endangered Species?

An endangered animal is:

- a species that is threatened with extinction;
- a species with a small habitat;
- a species that has a small population.

An **orangutan** is an example of an endangered animal. It is thought there are only around 7500 left in the world.



### How Might a Species Become Endangered?

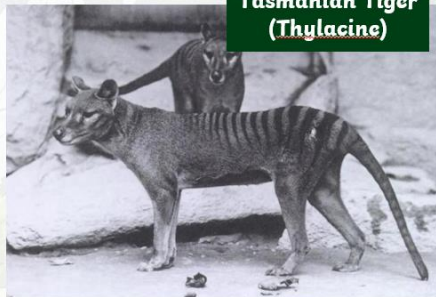
- **Habitat loss:** As forests and wild areas are cleared to make way for humans, many habitats are destroyed, leaving animals and plants homeless.
- **Hunting:** Some animals are hunted because they damage crops or homes. Others are hunted as 'sport'. Poachers hunt animals illegally. Rhinos are killed because people want their horn.
- **Disease:** Introduced by humans or invading species, new diseases can attack plants and animals.
- **Climate change:** Weather becomes more extreme, unpredictable and varied with climate change and this can affect habitats.

### Extinct!

Do you know what these animals are? Click to reveal!



Dodo

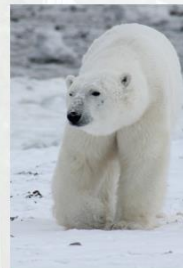


Tasmanian Tiger  
(Thylacine)

Both species were hunted to extinction. The Tasmanian tiger was seen as a pest by farmers and the dodo, a flightless bird, was an easy target for hunters.

### Why Are Species Endangered?

These species are endangered for different reasons. Can you think why? Click on each animal to reveal more information.



Polar Bear



Red  
Squirrel



Sea Turtle



Mountain  
Gorilla

☐ Colour of Threats

☐ Colour of Conservation Solutions

Name of creature:

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## History Activities

### Task 1

The first i-Pad goes on sale <b>AD 2010</b>	The Ice Age ends in Britain <b>12,000 BC</b>	The Battle of Hastings <b>AD 1066</b>	England win the football World Cup <b>AD 1966</b>
Man walks on the Moon <b>AD 1969</b>	The Bronze Age begins <b>2500 BC</b>	Henry VIII dies <b>AD 1547</b>	Start of WWI <b>AD 1914</b>
Today <b>AD 2020</b>	The Great Fire of London <b>AD 1666</b>	The Iron Age ends in Britain <b>AD 43</b>	Julius Caesar dies <b>AD 44</b>
WWII ends in Europe <b>AD 1945</b>	Stonehenge built (approx.) <b>3000 BC</b>	The Great Pyramid at Giza is built <b>2560 BC</b>	Eruption at Pompeii <b>AD 79</b>

### Task 2

<b>The Iron Age</b> 700 BC - AD 43
<b>The Bronze Age</b> 2500 BC - 700 BC
<b>The Early Stone Age (Palaeolithic)</b> 500,000 BC - 8000 BC
<b>The Middle Stone Age (Mesolithic)</b> 8000 BC - 4000 BC
<b>The Late Stone Age (Neolithic)</b> 4000 BC - 2500 BC

**Where can I complete further work?**

[Twinkl](#) – Subscription service used by schools is offering a free premium service for teachers, parents and children to use whilst schools are closed. Enter the code **UKTWINKLHELPS** for access to worksheets, powerpoints and interactive games to support all areas of learning.

[Classroom Secrets](#) – Free Maths, Reading and Grammar home learning packs and interactive resources for all ages.

[BBC Bitesize Primary](#) – Free learning resources available for KS1 and KS2 across all subjects.