

Year 3 Science Holiday Homework

Autumn 1: Humans and Animals Hand in date: September 2019

Before we break up for a holiday, you will be given details of your next science topic and tasks of what you need to research. Find out as much as you can!

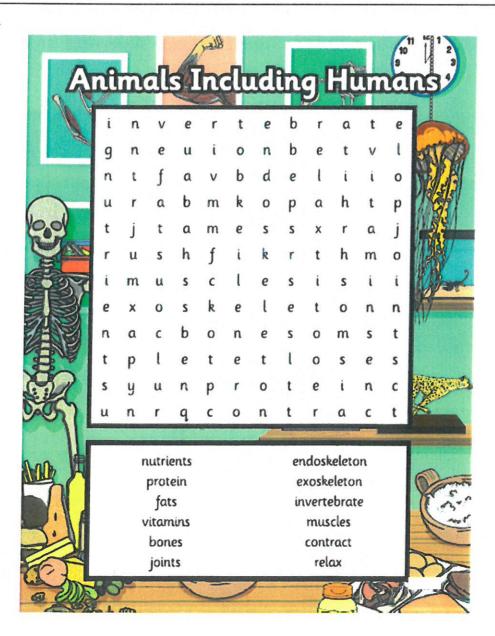
By doing the pre-topic research you will find it easier to access the work during the lessons.

House points will be awarded on your effort.

At the end of each half term you will be assessed on your ability to: work scientifically, recall knowledge and understanding and show how well you can apply scientific ideas.

Your performance will be tracked carefully over the course of the year. Feedback will be given to parents/ care givers as well as your next teacher. Try your best to work hard. Enjoy the learning!

1.

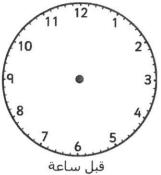


- 1. Find out how many bones there are in the human body.
- 2. Name as many different bones and the find out the jobs they do.
- 3. What do we call living things which have a skeleton inside their bodies?
- 4. Name at least 20 creatures that do have a backbone.
- 5. What do we call creatures that have a skeleton outside their bodies?
- 6. What do we call creatures that do not have a backbone?
- 7. Name at least fifteen creatures that do not have a back bone.
- 8. What do human beings need to stay alive and healthy?
- 9. Find out the names of the food groups.
- 10. List at least five foods which belong to each group.
- 11. Find out what would happen if we had too much or too little from each food group.
- 12. Find out the names of the different teeth in the human body.
- 13. What is the difference between children's teeth and adults' teeth?
- 14. Who was Marie Curie?
- 15. Can you make a mind map of all the interesting things which you found out?

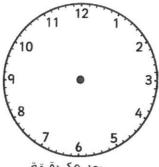
الإخبار عن الوقت في نظام 24 ساعة رسم الوقت قبل وبعد Tell the Time in 24-Hour Format:

Tell the Time in 24-Hour Format: Drawing the Time Before and After

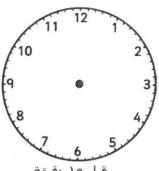
ارسم الوقت على كل ساعة. Draw the time on each clock.



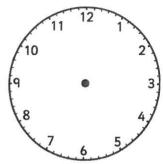
قبل ساعة 1 hour before 14:00



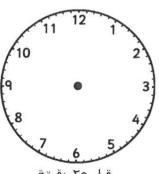
بعد ٤٥ دقيقة 45 minutes after 15:15



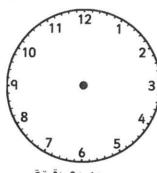
قبل ۱۵ دقیقة 15 minutes before 20:10



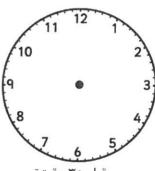
بعد ساعة وربع an hour and a quarter after 19:50



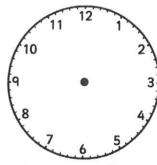
قبل ۲۵ دقیقة 25 minutes before 13:10



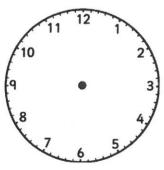
بعد ٥٠ دقيقة 50 minutes after 22:35



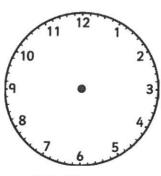
قبل ۲۵ دقیقة 35 minutes before 16:50



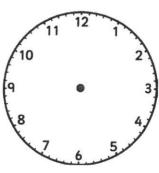
بعد ساعة وخمسين دقيقة an hour and 50 minutes after 20:25



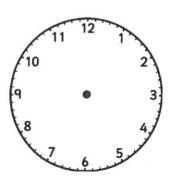
قبل ١٦ دقيقة 16 minutes before 12:56



بعد ۳٤ دقيقة 34 minutes after 19:52



قبل ٦٩ دقيقة 69 minutes before 16:23



بعد مائة ودقيقة 101 minutes after 18:54





L.0	O: To recognise and use diff	ferent types of conjun	ctions.			
Choose a coordinating conjunction from the box to complete these sentences.						
	and	but	or	if	so	
1	1. I went to bed very late I am tired today.					
2	2. I listened to the wea	ther forecast		put an umbre	lla in my bag.	
3	3. I enjoy playing hockey it's not my favourite sport.				rt.	
4	4. We could go to the park to the cinema.					
Cho	ose a subordinating co	onjunction from t	he box to comple	ete these sentence	s.	
	although	because	so that	even if	whenever	
1	1. My dad has fixed my bike I can take it to the park.			rk.		
2	2. My brother is grumpy he has got to do his homework.				work.	
3.	8. I will always support my local team,			they always lose!		
4.	. He goes abroad on holiday, he doesn't like flying.					
hoo	thoose a pair of correlative conjunctions from the box to complete these sentences.					
	whether/or	either/or		both/and	not only/but	
1.	I'm not sure	I'r	n going to the m	atch	not.	
2.	My mum is	a b	rilliant doctor, _		_ she is a great runner too.	
3.	The weather is forecas	t to be	ho	ot	humid.	
4.	We are having		pasta	cu	rry for dinner.	



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L.O: To recogn	nise and use diffe	erent types of co	njunctions.				
Choose the c	orrect type of	conjunction f	rom the bo	x to complete	these senter	ıces.	
Coordinati	ng Conjunctio	ons					
	and	but		or	if	SO	
Subordina	ting Conjunct	ions					
although	because	so that	even if	whenever	before	even though	until
Correlative	Conjunctions	6			***		
wheth	ner/or	either	·/or	both	n/and	not onl	y/but
Questions							
1. I went	to bed very lat	e		_ I am tired to	oday.		
2. My dad	has fixed my	bike		I can tak	e it to the po	ırk.	
3. We are	having		pasta		c	urry for dinner	
4. I listene	ed to the weat	her forecast _		p	ut an umbre	lla in my bag.	
5. I will al	ways support	my local tear	n,		they alwo	ıys lose!	
6. The wed	ather is foreca	st to be		hot		hum	id.
7. My brot	her is grumpy			_ he has got to	do his home	ework.	
8. He goes	abroad on ho	liday,		he does	n't like flyin	g.	
9. My mur	n is		_ a brillian	t doctor,	-	_ she is a great	runner too.
10. I enjoy p	olaying hocke	J		_ it's not my f	avourite spo	rt.	
11. We coul	d go to the pai	rk		to the ciner	na.		
12. I'm not	sure		_ I'm going	g to the match		no	ot.





L.O: To recognise and use different types of conjunctions.

Choose the correct type of conjunction from the box to complete these sentences.

Coordinating Conjunctions

and

but

or

if

SO

Subordinating Conjunctions

although

because

so that

even if

whenever

before

even though

until

Correlative Conjunctions

whether/or

either/or

both/and

not only/but

Use a coordinating conjunction to rewrite these pairs of sentences as one sentence.

- 1. We enjoy watching films. We enjoy going bowling.
- 2. He wants to win the race. He is running more slowly than the others.
- 3. My mum loves cake. I am going to bake a cake for her birthday.

Use a **subordinating conjunction** to rewrite these pairs of sentences.

- 4. My hands are freezing cold. I forgot to bring my gloves today.
- 5. My mum takes me to the match every week. She doesn't like football.
- 6. I take the dog for a walk every day. Sometimes it is raining.

Use a pair of correlative conjunctions to rewrite these pairs of sentences.

- 7. I like carrots. I like asparagus.
- 8. I don't know if it's going to be sunny. I don't know if it's going to be raining.
- 9. She is the regional champion. She is also the national champion.





Name the type of conjunctions used in each of these sentences. Write your answers in the boxes.

1.	She said she was going to come, although I don't think she was that keen.
2.	He was chosen to represent the school because he was the most talented swimmer.
3.	We are going to go to either Spain or Portugal next year.
4.	She had walked all the way to school before realising that she was wearing odd socks.
5.	He always seemed so confident, yet he was actually quite shy.
5.	Our neighbours are not quiet, nor are they particularly friendly.





Sun Safety Reading Comprehension

We all need some sun exposure - it's the top source of Vitamin D, which helps our bodies absorb calcium for stronger, healthier bones.

However, repeated, unprotected exposure to the sun's ultraviolet (UV) rays can cause skin damage, eye damage and skin cancer.

Most children get much of their lifetime sun exposure before age 18, so it's important for parents to teach them how to enjoy fun in the sun safely.

Taking the right precautions is very important when protecting your skin.

Sun Exposure

The sun radiates light to the earth, and part of that light consists of invisible UV rays. When these rays reach the skin, they cause tanning, burning, and other skin damage. Sunlight contains three types of ultraviolet rays: **UVA**, **UVB** and **UVC**:

- UVA rays cause skin aging and contribute to skin cancer. Because UVA
 rays pass effortlessly through the ozone layer (the protective layer of the
 atmosphere, or shield, surrounding the earth), they make up the majority
 of our sun exposure.
- UVB rays are also dangerous, causing sunburns and eye damage (cataracts). They also contribute to skin cancer. Melanoma, the most dangerous form of skin cancer, is associated with severe UVB sunburns that occur before the age of 20. Most UVB rays are absorbed by the ozone layer, but enough of these rays pass through to cause serious damage.
- **UVC** rays are the most dangerous, but fortunately, these are blocked by the ozone layer and don't reach the earth.







Melanin: The Body's First Line of Defense

UV rays react with a chemical called melanin that's found in skin. Melanin absorbs dangerous UV rays before they cause skin damage. The lighter someone's natural skin colour, the less melanin it has and the darker a person's natural skin colour, the more melanin it has to protect itself.

As the melanin increases in response to sun exposure, the skin tans. Those who are regularly exposed to the sun are at a much greater risk. Sunburn develops when the amount of UV exposure is greater than what can be protected against by the skin's melanin.

Avoid the Strongest Rays of the Day

Seek shade when the sun is at its strongest (usually from 10am to 4pm). If you are in the sun during this time, be sure to apply and reapply sunscreen. Most sun damage occurs as a result of incidental exposure during day-to-day activities, not sunbathing! Even on cloudy, cool or overcast days, UV rays travel through the clouds. Clouds don't filter out UV rays and this 'invisible sun' can cause unexpected sunburn and skin damage. People are often unaware that they're developing sunburn on cooler or windy days because the temperature or breeze keeps skin feeling cool.

Cover Up	Use Sunscreen	Use Protective Eyewear
One of the best ways to protect yourself from the sun is to cover up and shield skin from UV rays. Be sure that clothes will screen out harmful UV rays by placing your hand inside the garments and making sure you can't see it through them. Babies under 6 months should be kept out of the sun.	Select an SPF of 30 or higher to prevent sunburn and tanning, both of which are signs of skin damage. Choose a sunscreen that protects against UVA and UVB rays. For sunscreen to do its job, it must be applied correctly. So be sure to: • Apply sunscreen whenever you are in the sun and reapply often (every 2 hours). • Apply a water-resistant sunscreen around water or when swimming.	Sun exposure damages the eyes as well as the skin. The best way to protect eyes is to wear sunglasses. Not all sunglasses provide the same level of ultraviolet protection; Purchase sunglasses with labels ensuring that they provide 100% UV protection.



Sun Safety Questions

	1. How does Vitamin D help our bodies?
2	2. What are the three types of ultraviolet rays which radiate from the sun? Which is the leas dangerous and which is the most dangerous?
3	B. How does the ozone layer work to protect us from the sun's rays?
4	. How does melanin protect the skin?
5	. Why does sunburn happen?
6.	When is the sun at its strongest?
7.	True or false: Clouds filter out UV rays.
8.	What is meant by 'invisible sun'?
9.	What precautions should parents of babies take?
10.	Why is it important to reduce 'tanning'?
11.	True or false: Sunscreen should protect against UVC rays.
12.	What should you look for when purchasing sunglasses?



