

Term Three Coursework - Science/PSHE/English

All coursework is due in on a Friday – complete and of ‘published’ standard. The first Friday to hand a piece in is Friday 12th January. This coursework will run up to Easter – it covers, healthy eating/lifestyle/parts of the body and systems of the body.

The front cover, which needs to have the title ‘Blood Heart’, a border, images of food, drugs, animals, plants, a system of the body, the pupil’s name and Spring Term 2024 should also be completed for the 12th Jan. as time has been given in class. If you choose to do it on the computer, then please print at home as only black and white printing can be done at school!

Completed coursework is due in on Fridays.

ALL WRITING MUST BE IN YOUR OWN WORDS – NO COPY AND PASTING – YOU WILL BE ASKED TO EXPLAIN IT AND IF YOU CAN’T, TO REPEAT IT!!!!
Some people warned about this last half term!

Please indicate on this sheet (and have your parents sign it) whether you will be doing 1, 2 or 3 pieces of coursework per week.

(Pupil’s name) _____, will be doing ____
pieces of coursework per week.

Signed _____

Please note – everyone has to do number 9 – the experiment.

1. Draw a table that shows animals in the different classes - mammals, birds, reptiles, fish, insects, amphibians. Also explain what the main features of each class are.

Example

mammals	fish				
<u>FEATURES</u> * warm blooded *Give birth to live young *covered in hair/fur *mothers feed their young with milk	<u>FEATURES</u>				
<u>EXAMPLES</u> Elephants Dogs Humans Deer Tigers	<u>EXAMPLES</u>				

2. Neatly label (by hand) the bones of the human skeleton. The image of the skeleton itself can be downloaded but you must label it by hand!

3. Use a piece of A4 card and design a menu that shows a healthy selection of foods for a health food restaurant. **You should have an inviting front cover** with the name of your restaurant, and inside, offer a selection of starters, main courses, desserts, side orders and beverages. Remember to make your dishes interesting – a plate of peas is never going to sell!
4. **Compare a microorganism that is helpful with one that is harmful (NAME THE SPECIFIC MICROBE). Explain how they are the same or different. Include diagrams. MAKE SURE YOU HAVE THE CORRECT NAME OF THE MICRO ORGANISM E.G. 'FLU' IS NOT THE CORRECT NAME FOR A VIRUS.**
5. Discuss the topic of legal and illegal drugs **with your parents** (we will be doing some work on this topic in school). Then create a table of legal and illegal drugs. Make sure you include some images in the table and a paragraph that explains why **YOU** think some drugs are illegal, whilst others aren't.
6. Explain what photosynthesis is. **Include bullet points and diagrams** in your explanation. Remember how to set out a page by aligning boxes and using all the space etc.
7. *Choose a famous naturalist, biologist or doctor to research – they need to be someone who has made a breakthrough in medicine e.g. Edward Jenner, Alexander Fleming, Christian Barnard, Florence Nightingale, Joseph Lister or someone who really interests you!*
Create an information page about them that includes a title, sub headings for paragraphs of writing, images, captions etc.
8. Write a poem with at **least six verses**, using METAPHORS, PERSONIFICATION, ALLITERATION and SIMILES to describe what makes you feel SAD, LONELY, JEALOUS, ANGRY, AFRAID, HAPPY, CALM and SAFE. Choose a colour, and object to go with each emotion.
 EXAMPLE:-
 When I am sad, I am a silver bell
 Ringing in an empty room...
 With no-one to hear my solitary echo.

 I am a roaring, red fire when I am angry...
 Spitting sizzling sparks and flames
 Into the dark, ferocious night!
9. **Set-up an experiment at home and record your findings.** The key/testable question needs to be one that relates to the topic of the human body or biology in general. **Do not repeat an experiment we have done in school.** *The Science Kids website in the 'Useful Websites' box at the end of the coursework has ideas for experiments if you can't think of one related to our topic.*

Number 9
MUST BE
DONE

On your write-up, you will need to have:-

- The key/testable question
- Your prediction
- The equipment you've used
- The method/How you set up the experiment – e.g. Firstly I, ... Then I... etc. with diagrams and /or photographs.
- A table of results or data you've collected by doing the experiment.
- A bar or line graph which shows your data from the table.
- A conclusion (the answer to the key/testable question and why you think you got the results you did. You might be able to include an 'er/re' statement e.g. The more electricity in the battery, the brighter the bulb.
- An evaluation – How well did the experiment go? Did anything go wrong which might have, or did, affect the results? Were there any anomalies (things you didn't expect)? How would you improve the experiment if you did it again?

10. Draw a diagram of the digestive system (or print one out from the net) and write 3 paragraphs (using titles and sub headings) explaining how it works. Put this in your own words – **DO NOT COPY AND PASTE!**

11. Design a poster which includes a slogan that will convince people to take more exercise. Remember, a slogan should be 'catchy' and contain about six words. Your picture and slogan should be persuasive. Make sure your writing is large, neat and centred. See me for a formula if you want one. **RULE LIGHT PENCIL LINES TO WRITE ON UNLINED PAPER. Make sure it is also colourful and neatly presented/coloured. Ask for a formula to help you plan it.**

12. Write at least one paragraph for each of the following legal drugs that describes the effects they have on your body.

- alcohol
- nicotine
- caffeine

13. All living things produce offspring (young) of the same kind. The offspring often inherit traits and physical similarities from their parents and grandparents.

Explain what you have inherited through DNA, from your mum, dad, grandparents e.g. hair colour, skin tone, specific traits etc. *Remember, you do not inherit your mum's love of designer sunglasses!* **Make sure you understand what inherited traits are before you do this activity.**

Include photos diagrams and /or drawings to support your writing.

14. Explain in **at least four paragraphs** why exercise is good for the human body.

Address these questions in your four paragraphs :

- What effect does it have on our bodies over time?
- What different types of exercise could we do e.g. cardio vascular, aerobic, weight bearing.
- What are the benefits of exercise and what risks are involved for people who do not exercise regularly?
- Where, in Jersey, can people exercise safely?

15. Use a dictionary to help you make up a glossary which includes the words **below and some of your own choice, to** stick at the back of your book.
Remember – a glossary should be in alphabetical order.
PELVIS, CARBOHYDRATE, SUGAR, DIGESTION, EXTINCT,
EVOLUTION, GULLET, LIVER, LUNGS, MICROORGANISM,
CLAVICLE, PREDATOR, HERBIVORE, CARNIVORE, OMNIVORE,
ILLEGAL, NARCOTIC, HALLUCINOGENIC
16. **(After half term.)** See me to get the other research if/when you have **finished numbers 1 to 15.**

Success Criteria

- All work needs a **title** which is written on a light pencil line and has capital letters at each word (if you are unsure about which words to capitalise).
- **Written work in your own words**
- Neat – no squiggles
- **Write in sentences and paragraphs or bullet point (don't overuse bullet points and read the question carefully). If it says paragraphs, it means paragraphs!**
- **Some work must be backed.**
- **Backed work should be trimmed and not cut.**
- Stick work in straight.
- **All written work must be done on lined paper, guidelines used or pencil lines ruled to write on.**
- All written work should be properly punctuated and of published standard.
- **All diagrams and drawings must be done on plain paper.**
- Stick/group work of a similar nature together.
- **Do not use felt pens on black paper**
- Make sure you have a contents' page.
- Meet the deadline each week and at the end of the Spring Term before Easter.
- **Design an interesting front cover which includes the criteria on the board.**
- **See me before Thursday if you are having any trouble with your coursework – don't leave things to the last minute!**
- Think about what your targets were from Term 1, when you researched WWII.
- **Make sure original work done on questions 16+ is of the same quality as other coursework.**

Useful Websites

Pupils have been told in class not to research drugs without a parent being present.

Drug categories and information

ONLY ACCESS THESE WEBSITES WITH YOUR PARENTS!
<https://www.gov.uk/Health/AlcoholDrugs/pages/drugseffects.aspx>

<https://kidshealth.org/en/kids/know-drugs.html>

Systems of the Body

<https://kidshealth.org/en/kids/center/htbw-main-page.html>

<https://www.generationgenius.com/human-body-systems-for-kids/>
<https://wordwall.net/en-gb/community/digestive-system-games>

Nutrition

<https://www.nutrition.org.uk/life-stages/children/>

Joints in the Human Body

http://www.bbc.co.uk/science/humanbody/body/factfiles/joints/ball_and_socket_joint.shtml

<https://kidshealth.org/en/kids/center/htbw-main-page.html>

Digestive System

<https://www.bbc.co.uk/bitesize/search?q=digestive+system&seqId=bfddc7e0-9e71-11e8-8cea-31096504f1e7&d=BITESIZE>

The Body

Ducksters - <https://www.ducksters.com/science/biology/>

There are various APPS on the human body for ipads etc.

BBC Revisewise – Science KS2 - this site has various clips and information which we will be using in class.
<https://www.bbc.com/bitesize/subjects/z2pfb9q>

Science | Kids biology videos -

<http://www.sciencekids.co.nz/videos/biology.html>

Science Kids – ideas for experiments – choose one linked to biology

<http://www.sciencekids.co.nz/experiments.html>

Some suggestions for famous medical scientists

<https://strawpoll.com/most-famous-medical-scientist#:~:text=Robert%20Koch&text=He%20is%20known%20for%20his%20work%20in%20microbiology%2C%20including%20identifying,the%20field%20of%20medical%20science.>