

Year 7 Holiday Homework



Summer 2023

Year 7 Holiday Homework

2023



- Please complete homework sheets for all subjects.
- You will need to submit homework to individual subject teachers on your first lesson back in September.
- Most tasks ask you to complete on a separate piece of paper. A4 lined paper can be collected from your tutor.
- The following subjects need to be completed in this booklet and carefully removed, so it can be handed to your teacher on the first day back: French, Personal, Social, Health & Economic Education and Spanish.

The homework all have a significant focus on reading. If you do not read over the summer holidays your reading age **WILL** regress. There will be a **star prize** for the students who most improve their reading age over the break.

Enjoy your break

Mr Whitfield

Deputy Headteacher

Complete the tasks below on A4 paper.

TASK 1: Look up the definitions of the following words AND use them in a sentence of your own.

- a) Utopia
- b) Dystopia
- c) Surveillance
- d) Post-apocalyptic
- e) Totalitarian

TASK 2: Design an A4 poster on the subject of dystopia.

In your poster, you should include:

- At least 3 examples of films and/or books that are dystopian with short plot summaries in your own words.
- Images which contain key characteristics of dystopian worlds e.g. lack of freedom, constant surveillance etc.

Look at the example below for inspiration on the kind of poster you *might* produce.



TASK 3: Write a 200 word description of a dystopian setting. This could be:

- A post-apocalyptic setting
- A futuristic setting
- A totalitarian setting

Remember to include the following:

1. Language choices which show (don't tell) what your place is like
2. Imagery (similes, metaphors, personification) for effect
3. A range of punctuation (commas, dashes, semi-colons etc.)
4. A range of sentence lengths

Possible paragraph starter:

It was a cold place, a dark place, a place where....

Year 7 Maths

Please make a **poster** to hand in on your first maths lesson in September 2023.

The poster should include important information that you've learnt in year 7 maths.

A reminder of the main topics that we've studied this year is below.

Your poster can be on A4, A3, card, can be done on a computer or handwritten.

Year 7 maths topics:

- Negative numbers
- Algebra (creating expressions, expanding, simplifying)
- Number (place value, factors, multiples, primes...)
- 2D- shape (perimeter, area)
- Fractions (add, subtract, divide, multiply and compare)
- Ratio
- Proportion (best buy and recipes)
- Transformations (rotation, reflection, enlargement, translation)

Y7 Science Holiday Homework

Next year you will learn about the periodic table - what it is and how to use it. This homework will prepare for you that topic.

Task 1: The Periodic Table - Watch the Video and Answer the Questions

<https://www.youtube.com/watch?v=fPnwBITSmgU>

1. Who created the periodic table?
2. What did the dash left in the periodic table mean?
3. What could we learn about "eka-aluminium" from its position on the periodic table?
4. Which other elements did he predict?
5. What is the element at number 101 called?

Task 2: Activity - Researching an Element

The periodic table contains the symbols of every element that has ever been discovered. Pick one element from the periodic table and complete the following research task about it. Use the following questions as a guideline - try to write at least one point from each question.

Recommended elements: Neon, aluminium, calcium, platinum, uranium, lead, tungsten

Investigation Questions:

1. What is the history and discovery of the element? When and how was it first discovered? Who was involved in its discovery?
2. What are the physical and chemical properties of the element? Include information such as its atomic number, atomic mass, density, melting point, boiling point, and any notable characteristics.
3. Where is the element commonly found in nature? Is it abundant or rare? Are there any notable locations where it can be found?
4. What are the main uses of the element? How is it used in various fields such as medicine, technology, energy, or manufacturing?
5. What are the environmental and health effects associated with the element? Are there any potential **hazards** or **risks** in its usage or disposal? How does it interact with the environment or living organisms?

To impress your teacher next year complete the extension task below!

Convert your research questions into a colourful poster for your teacher to put on their wall!

Year 7 ADT



Draw or make a positive message inspired by physical objects from your own home. The message could be aimed at helping people be more active (sport equipment) , eat healthier (yummy food) or even just to make someone else or even yourself feel better (treats and hobbies).

Bonus - Could the object you use be linked to the message and slogan you are trying to promote. Maybe one about reading using books or pens for example or even using food for a positive healthy eating message.

Key Stage 3 Computer Science (Years 7, 8 and 9)

Write the definitions for the following common words in Computer Science

Word	Definition
Protocol	
Usability	
Algorithm	
Iteration	
Selection	
Sequence	
Integer	
Compiler	
Syntax	
Array	
Pseudocode	
Binary	
Hexadecimal	
Boolean	
Bandwidth	
Latency	
Firewall	
Database	
Query	
Pixel	
Sampling	

Please hand this in to your Computer Science teacher at the start of the Autumn term.

Year 7 French - Revision

Activité 1: Read the 3 texts and complete the table below. Add as much information as you can.

<p>Je m'appelle Sara et mon collège est assez grand. J'aime beaucoup mon collège. Le lundi j'étudie les sciences et les maths. Le mercredi je n'étudie pas l'espagnol, mais j'étudie le français. Ma journée préférée c'est le vendredi parce que j'étudie l'EPS.</p> <p>Je suis très sportive! Je joue au foot et je fais du ski. J'aime aussi regarder des films le weekend.</p>	<p>Je m'appelle Alex et mon collège est assez moderne. J'aime beaucoup mon collège. Le lundi j'étudie l'histoire et le dessin. Le mercredi j'étudie l'anglais mais mon ami étudie le théâtre. Ma journée préférée c'est lundi parce que j'étudie l'espagnol et le français.</p> <p>J'adore les langues!</p> <p>Je ne suis pas sportif mais je joue au tennis avec ma soeur. Le weekend j'adore tchatter avec mes amis.</p>	<p>Je m'appelle Julien et je vais à un collège assez petit. Je n'aime pas mon collège. Le lundi j'étudie les maths et aussi les sciences. Le mercredi nous étudions le théâtre et l'EPS. Ma journée préférée c'est jeudi parce que j'étudie l'anglais.</p> <p>J'adore lire!</p> <p>Je fais beaucoup de sport. Je joue au basket et je fais du vélo et du judo. C'est amusant! Le weekend, j'aime écouter de la musique.</p>
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Name	Sara	Alex	Julien
How do they describe their school?			
What do they study on Mondays?			
What do they study on Wednesdays?			
Which is their favourite day and why?			
What sport do they practice?			
What do they like to do at the weekend?			

Activité 2: Write your own paragraph about school using the texts above to support you.

Year 7 Geography Summer Holiday Homework

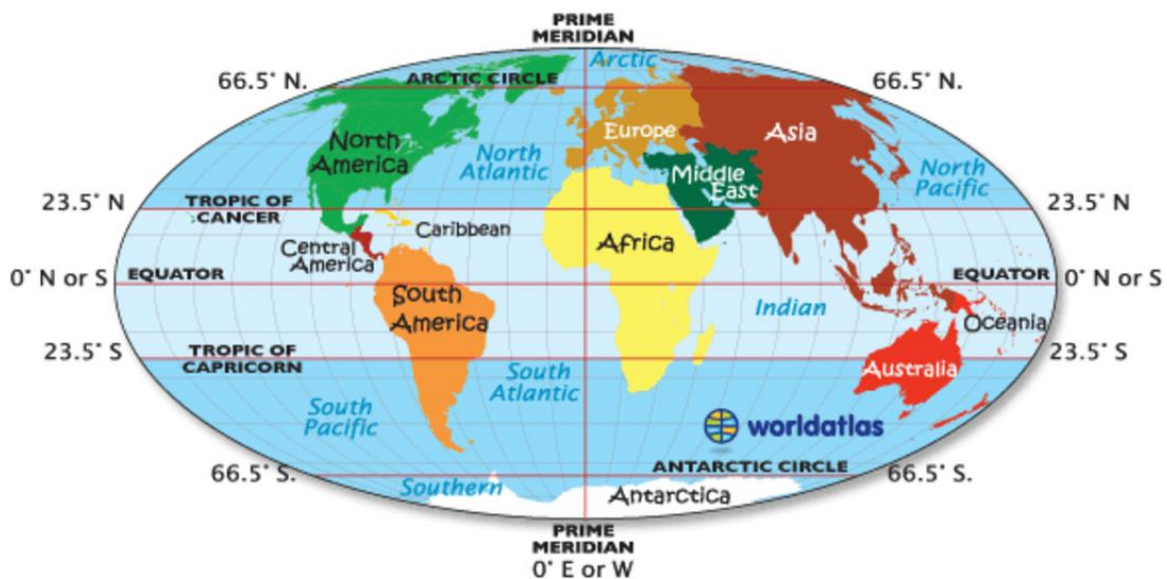
1. Create a sketch map of the world

A sketch map is a hand drawn map. It doesn't have to be beautiful - it just needs to have labels so that Geographers can make sense of it! Your first task is to create a sketch map of the world.

It must include:

- Every continent (with its name labelled)
- Every ocean (with its name labelled)
- The equator
- The tropic of Cancer
- The tropic of Capricorn
- The Prime Meridian

An example can be found below - you could use this as the base for your sketch map.



2. The different types of Geography

Read this article about the different types of Geography, and answer the questions below.

You can access the article using the link below, or the QR code.

<https://kids.britannica.com/kids/article/geography/353172>



- A. What are the two different types of Geography?
- B. What do Physical Geographers study?
- C. What do Human Geographers study?

3. Research: create a fact file about **one** piece of human or physical Geography from **any** country. Some examples could include:

- The Amazon River
- The City of London
- The Water Cycle
- The Fifa World Cup



History Year 7 Summer Homework 2023



TASK 1

Key Words for Year 8 history

Write the definition of the following key words. Make sure you can spell them and know how to use them in context. You will be tested on these key words in your first lessons back in September 2021.

Tudor, Stuart, cause, continuity, heresy, civil war, empire, portrait, parliament, legitimate, catholic, protestant, circumnavigation, industrial revolution

TASK 2

Create a fact file about **Sir Francis Drake**.

Research who he was and his famous journey around the world (circumnavigation of the globe). Include a map of where he travelled and why he was knighted by Elizabeth I. Use BBC bitesize to help you find out more. Take care over the presentation of your work.



A full list of the key words and definitions and the fact file should be handed in to your class teacher on the **first lesson back in September.**

Super star Challenge (optional):

Visit the **National Portrait Gallery at Trafalgar Square** and take a picture of yourself next to one of the Tudor monarch's portraits. Show it to your teacher in September



Take a picture of you here!

PSHE Character Curriculum Homework - Year 7

Values

People who suffer inequality often have to display character in order to achieve their goals.

Read through the examples on your sheet.

1. Why might this person suffer from inequality or be discriminated against?
2. Identify what character traits the characters in your case study would have to display?

"My name is Anna. I use a wheelchair. I'm 31 years old and I'm a swimmer in the Paralympics. I started swimming when I was 5 and my boyfriend's also a Paralympic swimmer too".

"My name's Oliver. I'm gay and I live in London with my boyfriend. I'm 35. I work at a book publishing company and I like going to the cinema and meeting my friends after a long day at work".

"My name's Excellence and I'm 13. I just moved here from Nigeria. My dad is Nigerian and my mum was born in the UK. I'm starting at The Charter School after half term. I like watching TV and playing with my baby sister".

Role Models

Nelson Mandela was born on 18th July 1918 in South Africa. His father died when he was 9, and he was the first member of his family who was sent to school. In 1941 he was expelled from university because he led a group of students on a political strike. Mandela was sent to prison for life in 1962 for protesting against poverty, inequality and racism against black people in South Africa during the apartheid. Apartheid was when people were divided by their race and forced to live separate lives. Black people could not do the same things as white people, such as going to certain places or voting. Mandela stayed in prison for 27 years of his life until 1990, when there was greater political freedom in South Africa and he was set free. He received the Nobel Peace Prize in 1993 and in 1994 he was elected as the first black South African president.

1. Read the story of Nelson Mandela, watch the documentary of his life (https://www.youtube.com/watch?v=0_eYnCrh6gU) and discuss how he displayed character in his story of the fight against injustice in his community.
2. Write a journal entry describing your feelings about Nelson Mandela's story and use your discussion and questions to help frame your piece.

Symbols of Light homework

1. Fill in the missing words from the word box. (Clue: the number of dashes equals the number of letters.)

Light is an important _ _ _ _ _ which can have different meanings. Light gives _ _ _ : without it there would be no life on earth, plants wouldn't _ _ _ _ _ and there would be no _ _ _ _ _ to breath. Light also means _ _ _ _ . When we can see light at the end of the tunnel it gives us hope that we should be able to reach _ _ _ _ _ . Light also helps us through the _ _ _ _ _ . Sometimes when we say someone is in the dark we mean that they don't _ _ _ _ _ something or that they don't know what the _ _ _ _ _ is.

Word box	understand	life	symbol	truth
grow	darkness	oxygen	safety	hope

2. Decide what you think about each of the 7 statements below - agree or disagree. Then interview an adult at home about their views. (If you can't do this try asking your form tutor when they're not busy.)

Statements about Light	My view	Adult view
Agree strongly = <input type="checkbox"/> <input type="checkbox"/> ; agree = <input type="checkbox"/> ; disagree = <input type="checkbox"/> ; disagree strongly = <input type="checkbox"/> <input type="checkbox"/> ; not sure = ?		
1. Candles on cakes or lit during meal times can make a normal meal into a special one.		
2. If it wasn't for the problems (e.g. mess, pollution and effort) an open log fire is nicer than a radiator.		
3. Bonfires and fireworks are not a good family event.		
4. A beautiful sunrise is nicer than a stunning sunset.		
5. Houses with a light near, or over, the front door seem to be more welcoming than those without.		
6. Different types of lights in a room (e.g. spotlights, down-lighters, 'Lava' lamps, candles) can make a real difference to how the room feels.		
7. It doesn't make any real difference whether you have small windows or big windows in your living room as long as you can turn on the light if it's dark.		

3. Ask the person you interviewed to say a bit more about why they agree or disagree strongly with one or two of these statements. Write down what they say. (Use the other side if you run out of space.)

Extension

Imagine you are a parent and your three or four-year-old child asks you why you have lit candles at a special meal. Think about all the things we have learnt about concerning the symbolism of light then write the conversation between you and the child. (Use the other side if you run out of space.)

Year 7 Spanish

Year 7 Revision - Spanish

Actividad 1

Read the 3 texts and complete the table below. Add as much information as you can.

<p>Hola, me llamo Irene y vivo en Madrid con mis abuelos. Tengo quince años y mi cumpleaños es el cinco de mayo. No tengo hermanos, soy hija única. Sin embargo, tengo un perro.</p> <p>En mi tiempo libre me gusta ver la televisión pero odio escuchar música. Mi pasión es el fútbol y mi equipo favorito es Real Madrid.</p> <p>En el insti, me encanta la informática y el español, pero no me gusta el francés.</p>	<p>Hola, me llamo Alejandro y vivo en Santander con mis padres. Tengo catorce años y mi cumpleaños es el ocho de marzo. Tengo un hermano mayor. No tengo animales, pero me gustaría tener un gato.</p> <p>Mi pasión es el deporte y juego al rugby dos veces a la semana. En mi tiempo libre me encanta cantar karaoke pero no me gusta leer libros.</p> <p>En el insti, mis asignaturas favoritas son la historia y la geografía, pero no me gusta mucho la tecnología.</p>	<p>Hola, me llamo Carlos y vivo en Granada con mis amigos. Tengo veinte años y mi cumpleaños es el veintitrés de enero. Tengo dos hermanas y un hermano. No tengo animales, pero mi hermana tiene una serpiente.</p> <p>En mi tiempo libre me encanta navegar por Internet y montar en bici. Aunque mi pasión es la música y toco la guitarra en una banda.</p> <p>En el insti, me encantan las clases de matemáticas y las ciencias, pero odio el teatro.</p>
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Name	Irene	Alejandro	Carlos
Where do they live? And who with?			
Age			
Birthday			
Brothers and sisters			
Pets			
Hobbies			
Passion			
Favourite School subjects			

Actividad 2:

Write your own paragraph using the texts above to support.
