



Nelson Primary School
Inspiring Ambition, Achieving Success
Weekly Homework Tasks

Key Stage 2 Year 5

9.09.19

Homework books will be collected in on Monday and will be returned on Tuesday.

Reading - Please read aloud to an adult every day. Write a summary of what you have read or discuss the story with an adult. Please record in your reading record book the pages that you have read each day. **Remember to bring your book and reading record to school every day.** Please visit Nelson School Library for your reading wristband books.

Maths - Complete mathletics homework. Log on or download the app www.mathletics.co.uk to complete the set homework activities. <https://login.mathletics.com/>

Practise your **times tables** for our weekly quiz. Once you have completed Mathletics an additional websites to use is www.timestables.co.uk.

Spelling

- 1) You must **ensure you know the meaning of the word.** -use a dictionary to help you if you are unsure.
- 2) **Write a sentence for some of the words.** You can include more than one word in a sentence as long as it makes sense and shows that you understand the word.
- 3) **Practise and study all of the spelling words ready for the Weekly Spelling Test.** To help you learn, every day you could draw a table like below to help you practise.
- 4) **Use your spelling menu to help you Practise your spellings.** You can pick whatever activities you like to help you learn all the words.

Look Say Cover Write Check

	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
<i>accident</i>						
<i>accidentally</i>						
<i>actual</i>						
<i>actually</i>						
<i>address</i>						
<i>answer</i>						
<i>appear</i>						
<i>arrive</i>						
<i>believe</i>						
<i>bicycle</i>						

You can choose to use this table if you like. Please make sure you Write your sentences in your homework books.

Comprehension - Read your text and complete the comprehension questions in your homework book.

Remember to write in full sentences and use P.E.E (Point, Evidence, Explanation) when answering the questions, go back and re-read your work to make sure you have answered the questions completely and your work makes sense. Do not write out the questions!

Your Homework book and completed homework/comprehension MUST be in school on MONDAY so you can go over your work and answers with your teacher.

The Sun

The Sun is a star just like our other stars but much, much bigger. It is right at the centre of our solar system. That is why it is called a solar system. The word solar means 'relating to the Sun'. The planets in our solar system stay together because the Sun is so big its gravity keeps us all travelling round it in oval or circle-shaped orbits.

Making Energy:

- The Sun gives us almost all the energy, light and heat needed for us to live on Earth.
- It uses two gases for this: hydrogen and helium.
- Energy is released at its core right in the middle of the Sun.
- The next layer is the radiative zone which takes energy to the next layer – the convection zone. It takes about 170,000 years for the energy to move from the core to the convection zone!
- The photosphere is at the Sun's surface and the energy gets to there from the convection zone in big bubbles. From here, the energy escapes from the sun through the outer layers and some of it comes to Earth. It takes about 8 minutes for heat to reach us from the Sun.



Did you know?

Surface temperature: 5505°C

Distance to Earth: 149.6 million km

Radius: 696,342 km

Circumference: 4,366,813 km (2,713,406 miles)

Mass: 1,989,000,000,000,000,000,000,000,000kg

(About 1.3 million Earths could fit inside the Sun)

Lifespan:

The Sun is actually a yellow dwarf star and started about 4.6 billion years ago. It shall eventually run out of energy, but don't worry...not for over 4.5 billion years yet! Before the Sun dies, it will get bigger and turn into what is called a 'red giant'. In 1.1 billion years from now, the Sun will be 10% brighter than it is today. This will make Earth really hot and damp. 3.5 billion years from now, it will be even brighter than that: 40% brighter than it is today. This will be so hot that the oceans will boil and the ice will melt. There will be no life on Earth by then, but with astronauts and scientists already making new discoveries and exploring other planets, where do you think humans will be by then?

Questions About The Sun

1. What gases is the Sun mainly made from?

2. How long does it take energy to reach Earth from the Sun?

3. How far away is the Sun from Earth?

4. What type of star is the Sun now?

5. List the 4 layers of the Sun from the centre to the outside.

6. What keeps our solar system of planets orbiting the Sun?

7. Solar means 'relating to the Sun'. Think of another example where we use the word 'solar'.

8. Will the Sun last forever? If not, why not?

9. Why has the author used an exclamation mark in this sentence to show surprise?

'It takes about 170,000 years for the energy to move from the core to the convection zone!'

10. Look at the final line - where do you think humans will be by then?
