



Nelson Primary School
Inspiring Ambition, Achieving Success
Weekly Homework Tasks

Key Stage 2 Year 4

W/C 3.6.19

Homework books **must be in school on Monday** and it will be returned on Tuesday

Please read aloud to an adult every day for about 15 minutes and ask the adult to sign in the table below. Remember, you need to understand what you are reading and be able to show this in your Accelerated Reader test. **Remember to bring your reading book to school every day.** Please visit Nelson School Library or East Ham Library for your books.

Monday	Tuesday	Wednesday	Thursday	Friday
Title:	Title:	Title:	Title:	Title:
Pages:	Pages:	Pages:	Pages:	Pages:

Maths

- 1) Practice for the RNR target set by your class teacher.
- 2) Complete the Mathletics homework set by your teacher online.

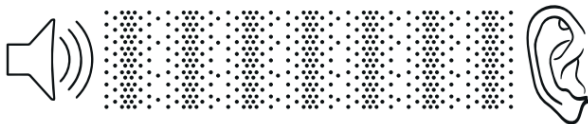
Sound Waves

Sound is all around us. We can hear a bird in a tree, your Mum shouting upstairs, "Hurry up – we're late!" and we can listen to our favourite songs and music. These are all different types of sounds but they have one thing in common... They all travel to your ear as sound waves.

Catching the Wave:

Sound waves are vibrations (little wobbles) that move the air, in the same way that the wind moves the water in the sea to make waves. The waves travel towards your ear as the air particles move the next door particles until they arrive at your ear.

How do the sound waves know how to get to your ear? Well, the answer is, they don't...The sound waves travel in lots of different directions from where the sound is made and your ear catches the bit that comes in your direction. Once your ear has 'caught' the sound, it carries on vibrating the tiny bones inside your ear which turn the vibrations into electric pulses that are sent to the brain.



Pitch:

The pitch of a sound is how high or low it sounds. This depends on how quickly the source of the sound vibrates. This is called the frequency of the sound and this is measured in hertz (Hz). The faster the vibration, the higher the frequency and the higher the pitch of the note. A low note will have a slow vibration and a lower frequency. You can make a string on an instrument have a higher frequency by shortening the string or making it tighter.

Volume:

Volume is how loud a sound is, no matter how high or low the pitch of the note. It is measured in decibels (dB). The volume is how hard the particles in the air are hitting each other, a bit like how hard you hit a rounders ball. Hit the particles hard and they will be louder and the sound will travel further just like your rounders ball. So to make a guitar string louder, but the same pitch, you pluck it with more force.

What vibrates inside your ear to send the sound signals into your body?

What unit is pitch measured in?

Can bats hear higher pitched noises than humans?

Why has the author used an exclamation mark in the first sentence?

Spelling –

- 1) You must **ensure you know the meaning of the new words**. -use a dictionary to help you if you are unsure.
- 2) **Write a sentence for each of the new words**. You can include more than one word in a sentence as long as it makes sense and shows that you understand the word. You do not need to write a sentence for revision spellings.
- 3) **Practise and study all of the spelling words ready for the Weekly Spelling Test.**

New spellings		Revision spellings	
vibrations	force	occupation	construction
frequency	pitch	voluntary	referee
particles	volume	uniform	astronaut
pluck	hertz	judge	electrician
shorten	particles	waiter	business



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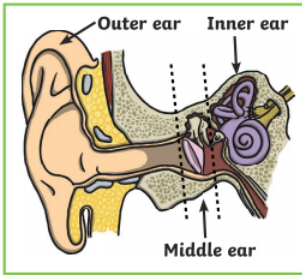
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Maths

- 3) Practice for the RNR target set by your class teacher.
- 4) Complete the Mathletics homework set by your teacher online.

Sense of Hearing

Our ears give us the ability to hear sounds from things all around us. We can hear high sounds, like a bird singing, and low sounds, like a dog barking. We can also tell where sounds are coming from. Our sense of hearing works by trapping sounds in our ears, which our brains then work out.



Outer Ear – This is the bit you can see. It sends sounds into the ear, down the ear canal to the ear drum.

Middle Ear – The eardrum vibrates and moves the three bones (hammer, anvil and stirrup). These bones shake and send vibrations into the inner ear.

Inner Ear – This is full of liquid and little hairs which move, letting you know there is a noise.

Name one part of the ear.

What is the inner ear full of?

How do deaf people communicate?

Which animal has its ears in different places?

Spelling –

- 4) You must **ensure you know the meaning of the word**. -use a dictionary to help you if you are unsure.
- 5) **Write a sentence for each 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.
- 6) **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.

New spellings		Revision spellings	
ability	low	space	new
hear	ear drum	rocket	landed
sound	canal	brave	huge
noise	trapping	follow	rock
high	middle	furry	start



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Double 3 is Double 9 is Double 2 is Double 8 is Double 15 is Double 6 is	Double 12 is Double 16 is Double 1 is Double 10 is Double 20 is Double 19 is	Double _____ is 4 Half of 14 is Half of 20 is Half of 4 is Half of 8 is Half of 10 is
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Spelling –

- You must **ensure you know the meaning of the word**. -use a dictionary to help you if you are unsure.
- **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.

Look and read	Copy and cover	Spell and check	Spell and check
drum			
bang			
hit			
boys			
red			
green			
girls			
Samba			
play			
drums			



Samba Band

 <p>who?</p>	
 <p>what?</p>	
 <p>where?</p>	
 <p>when?</p>	
 <p>why?</p>	

Write in full sentences.