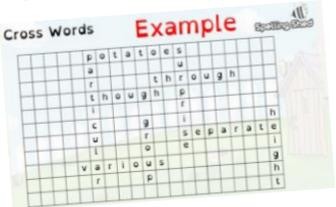
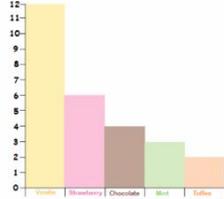


Year 4 Summer 2 Home Learning Menu Children should choose 3 activities per week, recording what they do. (Wildcards are an activity of their choosing.)

<p><u>Spelling Activity</u> Crosswords - see resource sheet. Can you link your words to make a cross word? Complete the grid by adding your words to link as many words as possible. Tip: Practise joining words on paper first. Words can be horizontal, vertical or diagonal.</p> 	<p><u>Spelling Activity</u> Alphabetical Order - see resource sheet. Place your words in order alphabetically. If you have more than one word starting with the same letter then you need to look at the next letter.</p>	<p><u>Spelling Activity</u> Synonym Shed - see resource sheet. Find different words that have the same meaning. Put your spelling words on the roof and fill it with words that mean the same.</p> 	<p><u>Spelling Activity</u> Define it - see resource sheet. 1. Find your word in the dictionary, read its definition and write it down. 2. Explain the word meaning in your own words, to someone else in your house. Online dictionaries are available if you don't have one at home. We recommend the COBUILD dictionary which is available here: https://www.collinsdictionary.com/</p>
<p><u>The Romans</u> Using the Myon link on the school website, read some non-fiction books about the Romans in Britain.</p> <p>A sample of these are:</p> <ul style="list-style-type: none"> • Ancient Rome • Geography matters in Ancient Rome 	<p><u>The Romans</u> Find out about Roman Mosaics. http://www.primaryhomeworkhelp.co.uk/romans/mosaics.html Have a go at making your own mosaic. Try using small squares of different coloured paper. The simpler the picture, the easier it will be.</p>	<p><u>The Romans</u> Design and make your own Roman shield. Challenge - can you make it:</p> <ul style="list-style-type: none"> • Curved with a handle on the back • Strong enough to hold in one hand above your head. 	<p><u>The Romans</u> Find out about Roman Entertainment Make a poster advertising what's on at the Amphitheatre. http://primaryhomeworkhelp.co.uk/romansentertainment.html</p>

<p><u>The Romans</u> Watch video clips to learn how the Romans invaded Britain. https://www.bbc.co.uk/bitesize/topics/zqtf34j/articles/z9j4kqt</p>		<p><u>The Romans</u> Produce a labelled diagram of a Roman road, Roman baths or a Roman soldier.</p>	<p><u>The Romans</u> Paint a picture of Hadrian's Wall - you could use colour mixing, shading. Look carefully at the sky and landscape and think about the time of day, season and what might be happening at the time of the painting.</p>
<p><u>The Romans</u> Create a booklet/ leaflet all about the Romans You could include any of the following topics:</p> <ul style="list-style-type: none"> • Homes • Food • Entertainment • Religion 	<p><u>The Romans</u> Create a board game based on the Romans' invasion across Europe. You could use your research to help you know when a character might move forwards or backwards in the game.</p>	<p><u>The Romans</u> Research Queen Boudicca and the uprising that she led - you could even write it as a newspaper report</p>	

Science learning grid

<p style="text-align: center;"><u>Electricity</u></p> <p>Make a poster designed to tell children how to keep safe with electricity in the home. You may want to talk to the adults in your family first for ideas or look for information online to help you.</p>	<p style="text-align: center;"><u>Electricity</u></p> <p>How many things can you find that run on electricity in the different rooms of your house. Remember batteries are also a source of electricity too. Present your findings in a bar chart.</p>  <table border="1" style="display: none;"> <caption>Bar Chart Data</caption> <thead> <tr> <th>Room</th> <th>Number of Items</th> </tr> </thead> <tbody> <tr> <td>Kitchen</td> <td>12</td> </tr> <tr> <td>Bedroom</td> <td>6</td> </tr> <tr> <td>Chocolate</td> <td>4</td> </tr> <tr> <td>Bath</td> <td>3</td> </tr> <tr> <td>Toilet</td> <td>2</td> </tr> </tbody> </table>	Room	Number of Items	Kitchen	12	Bedroom	6	Chocolate	4	Bath	3	Toilet	2	<p style="text-align: center;"><u>Electricity</u></p> <p>Find out about conductors and insulators of electricity https://www.bbc.co.uk/bitesize/topics/z2882hv/articles/zxv482p You could present your research in a Powerpoint presentation or a non-chronological report with a title, sub-headings, bullet points, diagrams and photographs.</p>
Room	Number of Items													
Kitchen	12													
Bedroom	6													
Chocolate	4													
Bath	3													
Toilet	2													
<p style="text-align: center;"><u>Electricity</u></p> <p>Complete the crossword - see attached sheet and then explain to a person in your family something you now know about how electricity works.</p>	<p style="text-align: center;"><u>Electricity</u></p> <p>Investigate a lightbulb Look closely at a lightbulb in your home. Draw and label correctly it using online information to help you write an explanation of the different parts and how electricity powers it. Make sure you do this activity with adult permission and supervision. Bulbs can get very hot and electricity can be dangerous.</p>	<p style="text-align: center;"><u>Sound</u></p> <p>Watch the Video clip on BBC Bitesize about Making sounds with different pitches https://www.bbc.co.uk/bitesize/clips/ztptsbk Can you investigate factors that affect pitch, like blowing across bottles filled with different amounts of water, plucking thick and thin strings and twanging different lengths of a ruler over the end of the table.? What do you notice about the pitch of the note? Do you notice any patterns emerging (such as thicker strings, larger amounts of air or water produce lower notes)?</p>												
<p style="text-align: center;"><u>Sound</u></p> <p>Why not have a go at designing and making your own musical instrument using junk materials you can find at home. Do you need to pluck, blow, shake or bang your instrument for the sound to be made? Challenge: Can you alter the pitch of the sounds it makes?</p>	<p style="text-align: center;"><u>Sound</u></p> <p>Carry out a sound survey - see resource sheet attached.</p>	<p style="text-align: center;"><u>Sound</u></p> <p>Play Good vibrations game with a family member and see how much you have learned about sound and how it travels. You will need a counter or coin for each player, a die and scissors to cut out the cards before you start.</p>												

Year 4 Summer Spelling Lists

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
bicycle	accept	chef	expression	incorrect	brochure	gently
biplane	inactive	complete	musician	illegible	famous	separate
biped	illegal	expansion	reluctantly	subject	tension	affect
bicentennial	submarine	poisonous	group	international	penniless	unexpectedly
biannual	interact	courageous	scene	believe	hideous	potatoes
bilingual	calendar	merriment	circle	preparation	different	circus
bicuspid	information	serious	solar	coronation	astronaut	insoluble
biceps	adoration	breath	supermarket	wildly	completion	microphone
binoculars	sadly	naughty	bicycle	bravely	admission	superhuman
bisect	usually	invention	except	thoughtfully	mathematician	bicentennial

Alphabetical Order



Copy your spelling words into the grid on the left.

Rewrite the spellings into the grid on the right in alphabetical order.

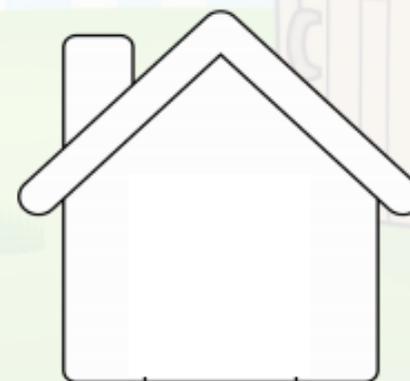
My Spellings

Alphabetical Order

a b c d e f g h i j k l m n o p q r s t u v w x y z

The Synonym Shed


Spelling Shed



Define it!

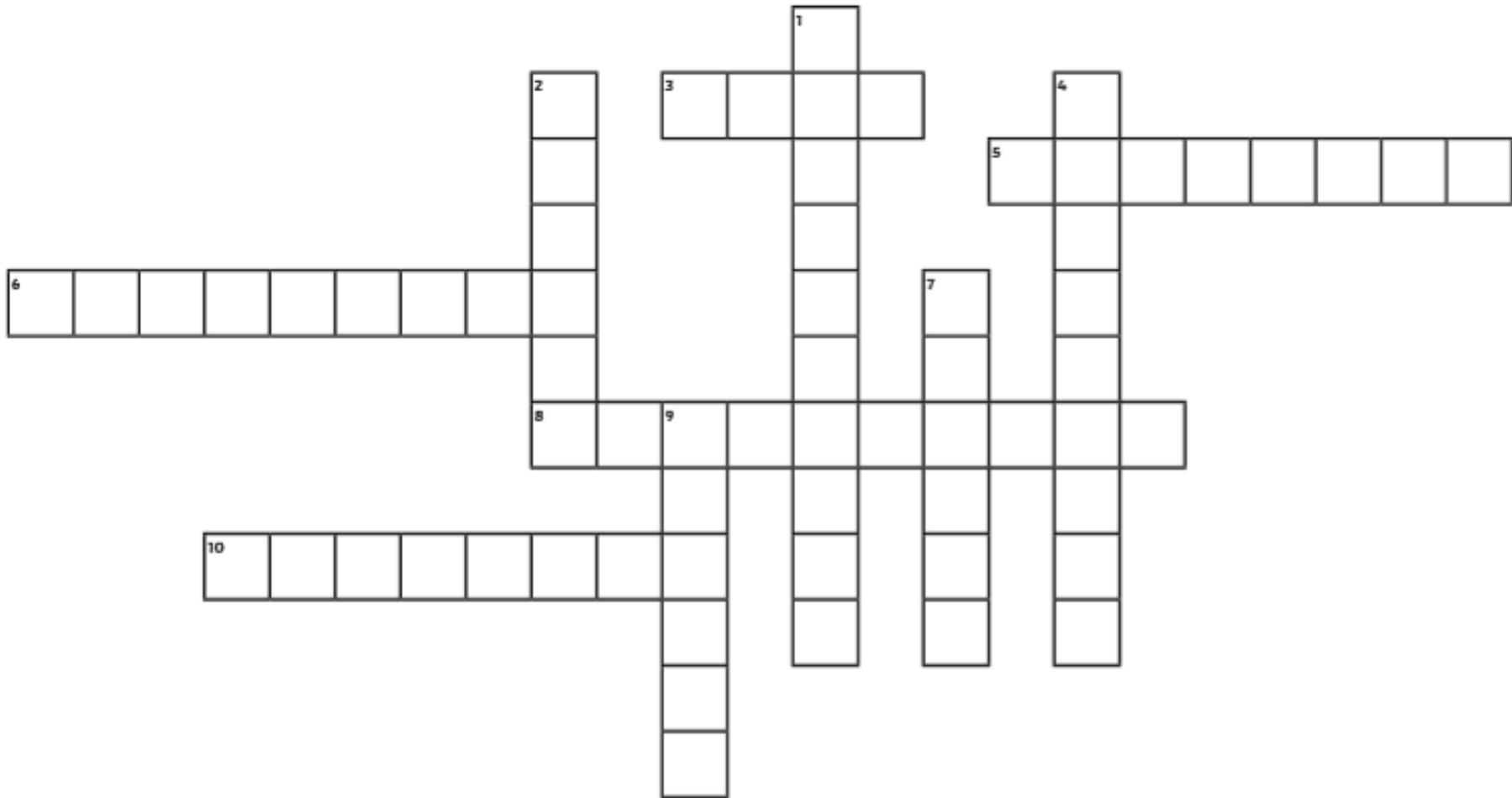


Spelling Word	Definition

Spelling Word	Definition



Electricity Crossword



Across

3. Current electricity is the _____ of electrical charge through a material.
5. If the wires in a circuit do not connect to both the positive and _____ ends of a battery, the circuit is incomplete.
6. Plastic is an electrical _____.
8. Electrical conductors let _____ charge flow freely through them.
10. A circuit needs to be _____ in order to work.

Down

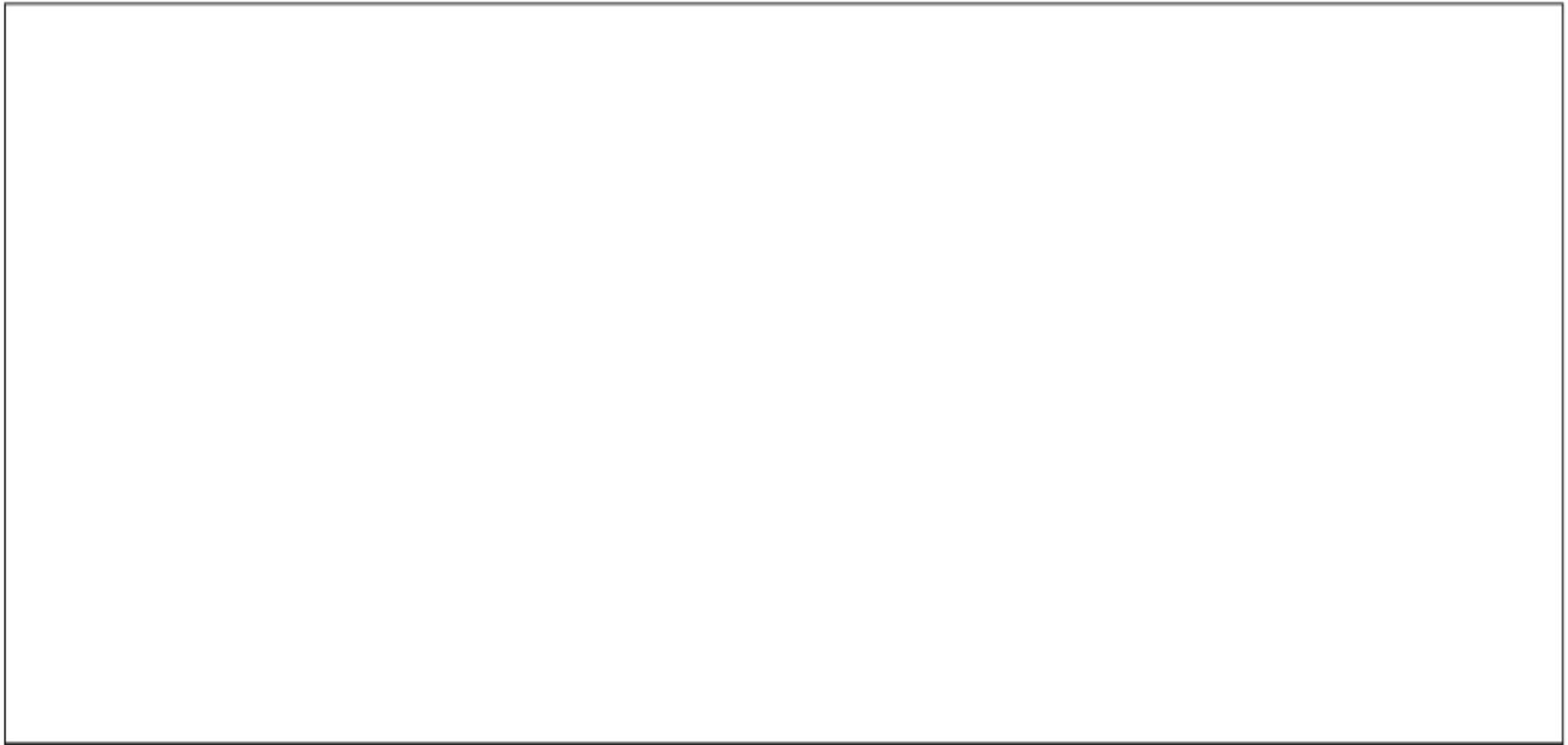
1. Metals are electrical _____.
2. Electrical insulators do not allow electrical _____ to flow through them freely.
4. Electricity can be generated by wind power. Wind power is a _____ energy source.
7. A _____ breaks a complete circuit to temporarily stop the flow of electrical charge around the circuit.
9. Coal can be burnt to generate electricity. Coal is a non-renewable _____ source.

Use these words to help you.

insulator energy flow complete switch conductors negative electrical renewable charge

Sound survey

How did these sounds reach your ears? Choose one of the sounds you heard and draw or write about how that sound travelled from its source to your ear.



Good Vibrations

How much do you know about sounds and how we hear them? Play this game with friends or family to find out!

 <p>The shortest string on a guitar will the... a) highest... b) lowest... sound.</p> <p>highest</p> <p><small>twinkl.co.uk</small></p>	 <p>Do sounds get louder or quieter as you move away from the sound source?</p> <p>quieter</p> <p><small>twinkl.co.uk</small></p>	 <p>What is vibration?</p> <p>A very fast movement back and forth.</p> <p><small>twinkl.co.uk</small></p>	 <p>What causes a sound?</p> <p>Vibrations</p> <p><small>twinkl.co.uk</small></p>
 <p>Which part of our body do we hear with?</p> <p>Ears</p> <p><small>twinkl.co.uk</small></p>	 <p>The longer the bar on a xylophone, the _____ the sound will be.</p> <p>Lower</p> <p><small>twinkl.co.uk</small></p>	 <p>What is it called when you use materials to absorb sound to make a room or space quieter?</p> <p>Soundproofing</p> <p><small>twinkl.co.uk</small></p>	 <p>Does sound travel fastest through a solid, liquid, or gas?</p> <p>Solid</p> <p><small>twinkl.co.uk</small></p>

Good Vibrations

How much do you know about sounds and how we hear them? Play this game with friends or family to find out!

 <p>Hitting a drum harder will produce a...</p> <p>a) louder...</p> <p>b) quieter... sound.</p> <p>louder</p> <p><small>twinkl.co.uk</small></p>	 <p>Which part of our body interprets the electrical signals from the ear, so that we understand the sounds we hear?</p> <p>The brain</p> <p><small>twinkl.co.uk</small></p>	 <p>The smaller the drum, the _____ the sound.</p> <p>higher</p> <p><small>twinkl.co.uk</small></p>	 <p>True or false: sounds cannot travel in space.</p> <p>True</p> <p><small>twinkl.co.uk</small></p>
 <p>Pitch is a measure of how _____ or _____ a sound is.</p> <p>high or low</p> <p><small>twinkl.co.uk</small></p>	 <p>Why do the line crew working on noisy airport runways wear ear defenders?</p> <p>To protect their ears from the loud sounds.</p> <p><small>twinkl.co.uk</small></p>	 <p>In a wind instrument, what vibrates to create the sound?</p> <p>The air inside the instrument.</p> <p><small>twinkl.co.uk</small></p>	 <p>How can you make a percussion instrument make a quiet sound?</p> <p>Hit it gently.</p> <p><small>twinkl.co.uk</small></p>