



Year 4, Welcome to Spring 2!

This term we will be focusing home learning on ‘Electricity’. This will help consolidate the learning taking place in school.

All pupils must complete the tasks by Thursday 28th March 2024.

All pupils are expected to do the following weekly set task alongside:

- **Daily Reading—The expectation is that your child will read daily for a minimum of 20 minutes at home – upload evidence on Reading Log App.**
- **Weekly Maths – Assigned on Times Tables Rock Stars & MyMaths**
- **Weekly Spellings – See below**

Education must develop every child’s personality, talents and abilities to the full (RRS UNCRC Article 28 & 29). We can’t wait to see what you do and look forward to seeing your wonderful home learning.

Yours sincerely,

Year 4 Team

Electricity

Facts children need to know and learn:

- Electricity is energy
- Electricity is used to power electrical items such as toasters, kettles, cookers, televisions and computer tablets.
- Electrical energy is caused by electrons (the particles in atoms) moving about to make a current.
- Electricity can be created in a variety of ways
- A simple series electrical circuit is a single wire running from a battery to a bulb and back again.

Key pictures:



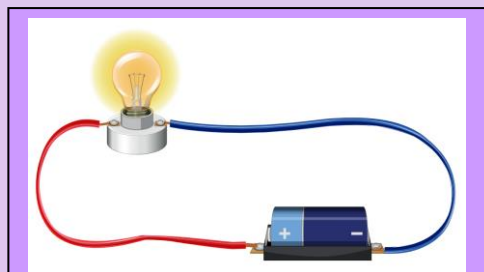
Electrical Appliances



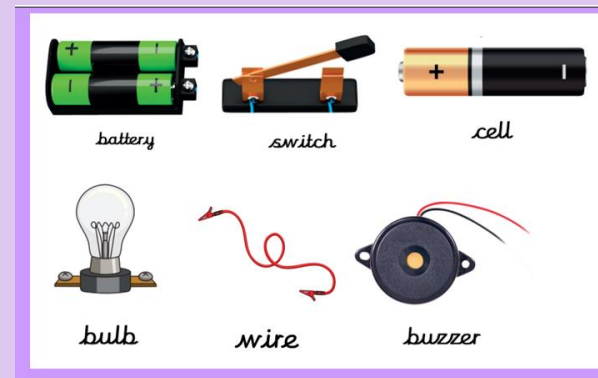
Non-Renewable Energy






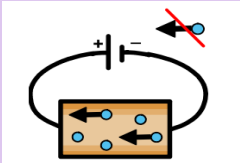


Renewable Energy



Circuit

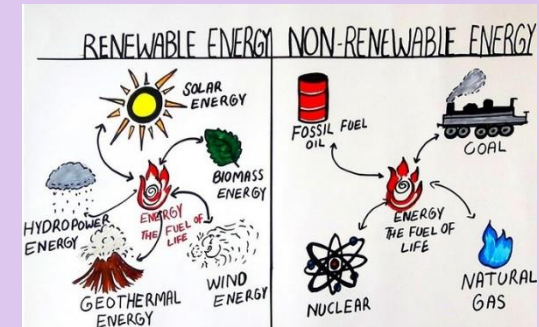


Key vocabulary and definitions

 <p>renewable</p>	<p>Renewable resources are an energy source that cannot be depleted and are able to supply a continuous source of clean energy.</p>	 <p>non-renewable</p>	<p>Non-renewable energy comes from sources that will run out or will not be replenished in our lifetimes—or even in many, many lifetimes.</p>
 <p>electricity</p>	<p>Electricity is a flow of charged particles which powers things around us. We use it every day in our homes to power lights, TVs, computers, fridges and ovens.</p>	 <p>insulator</p>	<p>Some materials do not allow electricity to pass through them. These materials are known as electrical insulators.</p>
 <p>conductor</p>	<p>Some materials let electricity pass through them easily. These materials are known as electrical conductors.</p>	 <p>circuit</p>	<p>Electricity can flow through the components in a complete electrical circuit.</p>

Home Learning Tasks

Week 1: Research electricity	Week 2: Create a poster
<p>RRS: Article 17 – I have the right to get information in lots of ways, so long as it’s safe.</p> <p>Use OneNote to bullet point your information about:</p> <ul style="list-style-type: none"> What is electricity? Where does electricity come from? What uses electricity? What different ways can electricity be created? What types of electricity is there? <p>You could also record a short video discussing some of your most interesting facts!</p> <p><u>Website Links:</u> https://www.bbc.co.uk/bitesize/topics/zj44jxs/articles/zsj9r2p https://www.youtube.com/watch?v=Dx3RpXdJw2k</p>	<p>RRS: Article 13 – I have the right to find out and share information</p> <p>Use your research from the previous week to create a poster about renewable and non-renewable energy. This can be created on OneNote or on A4 paper to bring into school so that we can display it in the classroom!</p> <p>Remember to include:</p> <ul style="list-style-type: none"> - a title - key facts - pictures / diagrams - colour <p><u>Website Links:</u> https://education.nationalgeographic.org/resource/non-renewable-energy https://www.bbc.co.uk/bitesize/topics/zxy4cmn/articles/zmwm6v4</p>
<p>Week 4 & 5: Project</p> <p>RRS: Global Goal 7 – Affordable and Clean Energy.</p> <p>Green Schools Project are challenging you to keep a weekly log over the next two weeks of your use of transport and electricity at home.</p> <p>On OneNote there is a template for you to use so that you can tally the following:</p> <ul style="list-style-type: none"> - transport to and from school - switching off lights and sockets 	<p>Week 6: Design</p> <p>RRS: Article 12 – I have the right to be listened to and taken seriously.</p> <p>Design a PowerPoint, poster or slide on OneNote about how you can save and reduce your energy use at home.</p> <p>Think about:</p> <ul style="list-style-type: none"> - In your weekly logs, where did you use the most energy? - What facts can you include to explain why you should reduce your use of energy? - What ideas can you use from our Green Schools Project?





Belmont School Home Learning Year 4 Spring 2 2024

Spellings

Every week you will have a spelling test. Please learn the spellings.

	Week 1	Week 2	Week 3	Week 4	Week 5
Group 1	spied happier funnier chilliest luckiest frying	sliding hiking completed amazed timer ripest	rubbing hugged runner biggest runny swimming	can't don't won't you've he'll you're	mind children most cold great told
Group 2	gently simply humbly sensibly horribly possibly terribly responsibly probably	basically frantically comically energetically scientifically terrifically enthusiastically perhaps promise purpose	information preparation admiration sensation determination publication multiplication operation mention position	appear disappear address difficult different grammar occasion opposite pressure suppose	cake time home complete arrive decide describe extreme guide surprise
Group 3	measure treasure pleasure picture creature enclosure nature furniture adventure capture	scheme chorus chemist echo ache mechanic stomach chaos anchor character	bicycle centre century certain circle consider decide exercise recent medicine	dough bought brought cough rough enough though although though through	different favourite February interest library ordinary separate bruise definite vegetable