Year 4 Summer 2: How does climate change affect our local area, and what can we do about it?

What we're reading:The Boy Who Harnessed the Wind by Brian Mealer and William Kamkwamba
Wildfire by Breena Bard

The Boy Who Harnessed the Wind is an inspiring picture book that explores the real events of William creating a wind turbine for his village. Using bits of rubbish and scrap that were thrown away, William creates a wind turbine that helps create power for his village.

Wildfire is a graphic novel that explores the effects of climate change and explains some of the ways that anyone can make a difference about it. Written in a child friendly way, the book is an inspirational story about how everyone has the chance to help things change.

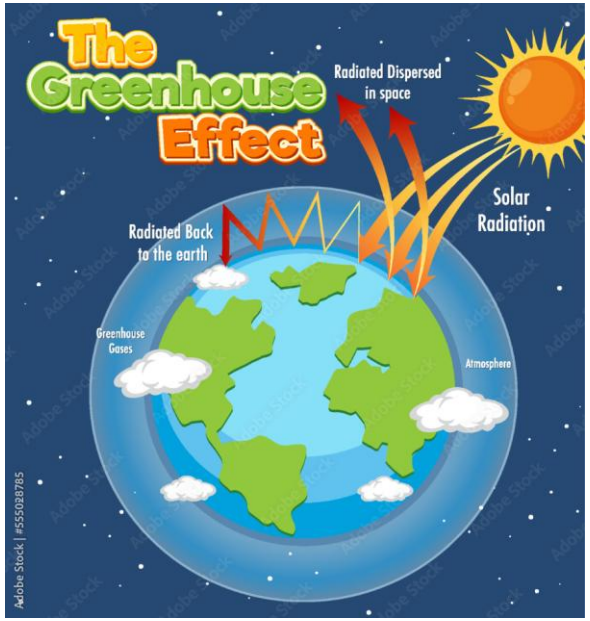
What we're writing:	Instructions and adverts for a new renewable energy invention. A podcast script.

Humanities: History, Geography, Art, Modern Foreign Languages, RE, Music, RSHE

As Geographers, we will explore how climate change affects the world around us and consider what we can do to help change this. This will build on some of our work from Year 3 where we learnt about the green house effect and impact of air pollution on the Earth's climate.

RE Enquiry: Why is there so much diversity of belief in Christianity?

We will look at the different denominations of Christianity and compare how they choose to practice the religion.

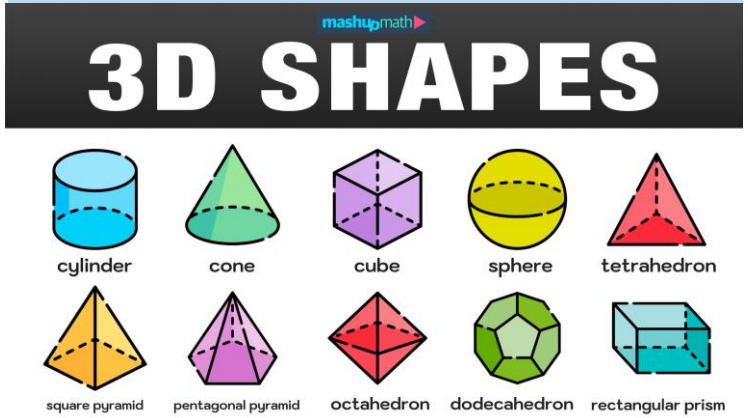


As Linguists, we will continue to use Language Angels and learn through games and songs, as well as focussing on linguistic structures.

Humanities Vocabulary	Definition
Sustainability	Using resources responsibly so they are still accessible for future generations.
renewable	An energy source that is naturally replenished.
environment	The conditions in which something grows or resides.
Climate change	Long term changes to weather patterns.
Global warming	Long-term increase in the Earth's temperature.
biome	The landscape, flora and fauna of an area.

As Musicians, we will be preparing for our performance at Norfolk Show and ensuring we are familiar with the song we need to know for it.

As Mathematicians, we will be improving our understanding of shape properties, interpreting graphs and learning how to plot coordinates. We will be exploring 2D and 3D shapes, their names and features such as edges, faces and vertices. When plotting coordinates will use the phrase 'along the corridor and up the stairs' to help us remember to use the X axis before the Y axis.



As Scientists, we will be learning about the impact that climate change can have living things. Our lessons will also explore the different ways we can classify living things and study the conditions they need to survive.

Science, Technology, Engineering and Mathematics (STEM): Computing, Design Technology, Maths, PE, Science

As Computer Scientists, we will be using our podcast scripts from English to create and record our own podcast. We will learn about editing sound clips including stitching clips together. We will then share our podcasts with the class.





As Sportspeople, we will be developing and improving our outdoor athletic skills. These will be linked to the activities that we complete at sports day. This will include: standing long jump, shot put, relay running and javelin throwing.

STEM Vocabulary	Definition
Numbers	Numbers are made up of digits and have a 'value'
Digits	Digits are the symbols by which a number is represented
Fractions	An amount that is not a whole number: a small or tiny part, amount, or proportion of something
Equivalent	Something that is equal to or corresponds with another in value or amount.
Tenths	The first value to the right of the decimal point.
Partition	To split or separate values e.g splitting amounts of money into pounds and pence.
Consecutive numbers	Numbers that follow each other in order from the smallest to the largest
Mid-point	The exact middle of something. E.g. a number line
Integer	A number that is not a fraction

We expect times tables to be practised each week, with at least 20 minutes spent on TTRS. Please let us know if you need any support with this. We send home spellings on Friday to continue building vocabulary and an understanding of spelling rules.

Optional Activities:
Whilst we don't set any formal homework at Avenue Junior School, we are passionate about reading and therefore ask that your child reads for at least 10 minutes a day. The benefits of this are wide ranging and can be felt across the curriculum. The children can take their library books home with them to read, but they must bring them into school each day!

It can sometimes be nice to do some additional activities at home linked to our work in school and so below, we've given a few suggestions of activities you might like to try:

- Look at a map of the world and discuss with your child places you have been or would like to visit. Where would they like to visit and why?
- Design and make some colourful and creative posters to help practise and remember your times tables.
- Practise finding examples of fractions when you're out and about shopping or cooking.

Class Dojo:

We love to see the work children and families have been doing at home.

Please do upload pictures via Class Dojo and we will make sure that these are celebrated in class and rewarded with team points or certificates.

Likewise, if children have any notable achievements or events outside of school (swimming medals, football tournaments etc), we love to hear about these too!

ClassDojo