Year 3 Spring 1:
Sustainability: How are we changing the planet?

What we're reading: One Plastic Bag/No One Is Too Small To Make A Difference/The Tempest

We will be using the book 'One Plastic Bag' by Miranda Paul as a stimulus across the half-term. It is a true story about someone called Isatou Ceesay, who sparked a recycling revolution in Gambia. We will use the story to inspire some persuasive writing in the form of advertising. Through our topic, we will also create a persuasive speech around Greta Thunberg's book 'No One Is Too Small To Make a Difference'. Finally, we will use The Tempest by William Shakespeare to write an alternative version!

What we are writing:	Advertisement, podcast script, narrative with an alternative ending.

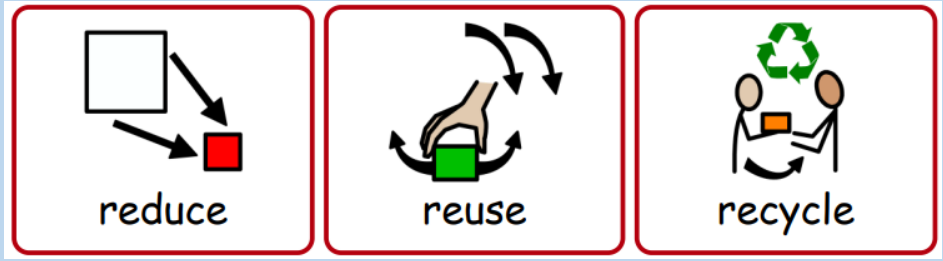
Important people and places linked to our topic:

- Isatou Ceesay
- Greta Thunberg
- The Gambia



Humanities: History, Geography, Art, French, Religion and Worldviews, Music and PSHE.

As **geographers,** we will focus on human geography, specifically on sustainability and recycling. We will start by looking at what the word climate means and different climate zones around the word. To build on this, we will recap what recycling is and how this can help reduce pollution. Lessons will also look at the greenhouse effect, global warming and impact of increasing levels of air pollution. Furthermore, we will examine how renewable energy sources such as solar power can have a positive impact on the future of our planet.



In **PSHE,** we will have a focus on keeping ourselves safe and healthy. We will discuss dental health, the importance of healthy sleeping habits and children's mental health. We will also look at asking for help when interactions with our friends make us uncomfortable and understanding the idea of consent in relation to interactions with our peers.

As **musicians,** we will be exploring how musicians can promote the message of sustainability. We will look at how percussion instruments are made and will create our own junk orchestra out of recycled materials

As **linguists,** we will learn ten familiar instruments and be introduced to the verb 'I play' in French. This will be done through a variety of spoken and written games, activities and songs.

Humanities Vocabulary	Definition
sustainability	The avoidance of the depletion of natural resources in order to maintain an ecological balance
renewable energy	Energy from a source that is not depleted when used, such as wind or solar power
climate	The pattern of weather in a particular area over a long period of time.
climate zones	Areas in the world that have similar climates to each other. E.g. Arctic, temperate, tropical..
climate change	Long-term shifts in temperature and weather patterns. These may be caused by natural events or by human activity.
environment	The physical surroundings of the Earth, including all living and non-living things.

Religion and Worldviews: What is philosophy?

We will explore ideas of philosophy and morality, through meaningful discussions on knowledge, wisdom, beliefs and opinions. We will try and understand the complex nature of concepts such as truth, reality, happiness, identity, hope and justice. We will learn what influences our own moral decision making and answer some philosophical questions throughout the term. We will learn about Socrates and Socratic questioning as a way of deepening knowledge and understanding.

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As **mathematicians**, we will continue to develop our understanding of multiplication by using concrete resources (counters, cubes etc) to multiply 2-digit numbers by 1-digit numbers. This method aims to highlight that multiplication is the same as repeated addition.

We will look at the link between multiplication and division before continuing to learn about division, using concrete resources and pictorial methods.

We will finish the half term by exploring length and perimeter. This will involve using metres, centimetres and millimetres.

This half term, we are learning the 8-times table, building on our previous learning of the 2, 3-, 4-, 5- and 10-times tables.

Science, Technology, Engineering and mathematics (STEM): Computing, Design Technology, Math, PE, Science

As **computer scientists**, we will be learning about algorithms, using Scratch. This is a block code programme/app where instructions are inputted to learn how to sequence and order commands. We will also work on debugging programmes to ensure they function as we intended them to.

As **scientists,** we will be exploring forces. We will talk about forces, including gravitational forces and friction. This includes using Newton meters. To build on this learning, we are going to look at magnetic materials, about magnetic poles and will device fair test to check our hypotheses.

As **sportspeople,** we will be focusing on net and wall games, which help us to develop our hand-eye coordination as well as throwing and catching skills. We are going to continue working on our teamwork and communication skills.

As designers, we will be creating puppets to support our work based on The Tempest.

STEM Vocabulary	Definition
factor (maths)	The numbers that you are multiplying together. For example, in 6x5=30, 6 and 5 are the **factors**.
product (maths)	The **product** is the result of two numbers being multiplied together. For example, the **product** of 6 and 5 equals 30.
dividend and divisor (maths)	The **dividend** is the number that is being divided. The **divisor** is the number that you are dividing by. For example, 20 divided by 5 = 4. 20 is the dividend and 5 is the divisor.
friction (science)	A force between two surfaces that are sliding, or trying to slide, across each other.
magnetism (science)	A basic force of nature like gravity and electricity. It describes the attraction or repulsion of 2 **magnetic** objects.
algorithm (computing)	A process or set of rules to be followed in calculations or other problem-solving operations, especially by a computer.

Reading

We are passionate about reading at Avenues and ask that your child reads for at least 10 minutes a day. Your child has a reading record, where we would like pupils and adults to record what they are reading (there are suggestions at the front of the reading record) – if you are unsure how to use this, please ask your child's teacher. The benefits of this are wide ranging and can be felt across the curriculum!

Timetables!

It is really important to regularly practice the 2, 3-, 4-, 5-, 8- and 10-times tables – focusing on accuracy and speed. This could be by making flash cards, quick quizzes around the house, writing them out in different ways or using an app. Both in school and out of school, we would like pupils to access their Times Tables Rock Stars account when they can to help track their progress.

Topic Based Activities

- Recycled junk orchestra 🎶 collect clean recyclable materials (tins, bottles, boxes, tubes) and create your own musical instruments. Experiment with different sounds and rhythms, then perform a short "sustainability concert" at home.

- Eco-detectives 🌎 investigate your home and how your family uses energy and water. Create a simple poster about how you are sustainable what else you could do to be more sustainable. We will share these with the class!

- Climate zones craft map 🗺️ use recycled materials to make a world map showing different climate zones. Add drawings or labels to show what plants, animals, or people might live in each zone.

- Mini green energy model 🌞 build a model showing a renewable energy idea (for example, a paper windmill, a solar-powered toy, or a drawing/model of solar panels on a house). Explain how this type of energy can help the planet compared to fossil fuels.

ClassDojo:

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

Please send us pictures and we will make sure that these are celebrated in class and shared in the classroom!

Likewise, if children have any notable achievements or events outside of school we love to hear about these too!



ClassDojo