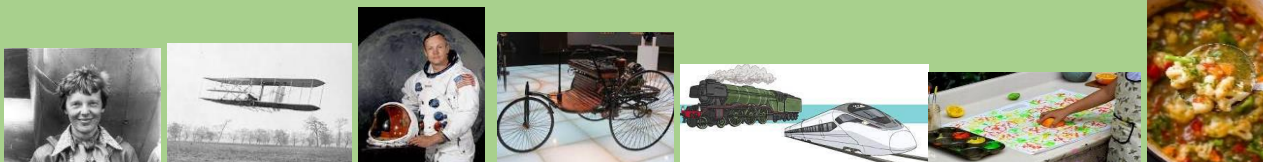




How has travel and transport changed over time?



L earning Journey

E ngaging

A uthentic

R ighteous

N ova Curriculum

Year 1

Terms 1 & 2

Making a difference

Overview:

This enquiry enables learners to learn about how travel and transport has changed over time, how significant people have invented new technology or changed what we thought was possible. We will be learning how trains, buses, cars and aeroplanes were invented and how they have been changed and updated over time. We will be learning about famous inventors such as Karl Benz, the Wright Brothers, Dorothee Pullinger; and about the lives of significant people who have made history with their skill and bravery, either by venturing into space like Neil Armstrong and Mae Jemison or by flying solo like Amelia Earhart.

As scientists, the children will be learning about different materials and their uses. We will learn the difference between an object and the material it is made from. We will be identifying and classifying common materials and learning to distinguish and group them by their properties. We will be describing and testing properties of common materials and conducting our own absorbent / waterproof experiment. We will also be investigating what happens as the season changed from Summer to Autumn.

As artists, we will be exploring the fundamental elements of colour, texture, shape and pattern. We will be investigating different print artists such as Andy Warhol and Yayoi Kusama, printing with everyday objects, designing and making our own print tools and creating original pieces of artwork.

As designers we will be exploring nutrition and cooking. We will be investigating what the harvest and foods that are in season during the autumn months. We will be designing, making, evaluating and refining a delicious autumn soup.

Learning links (previous learning):

Children have learned about travel and modes of transport through knowledge and understanding of the world in Reception.

Children have learnt about the seasons and tracking seasonal change during Reception.

Celebrating diversity and inspirational People:

Neil Armstrong, Mae Jemison
 Amelia Earhart
 Karl Benz, Dorothee Pullinger
 The Wright Brothers
 Isambard Kingdom Brunel

Launch and Landings	Experiential learning opportunities:
<p>Launch – Wonderful Wheels Investigation afternoon Mini-landing Landing: Christmas Nativity Showcase to parents / carers</p>	<p>Experiences throughout unit to launch learning - Aerospace Concorde Investigators</p>
Enquiry Challenge	Cross-Curricular Writing Opportunities
<p>Term 1- Challenge 1: Cross-curricular writing during Science, writing about what we can observe in Autumn. This links to our Autumn Welly Walk.</p> <p>Term 1- Challenge 2: To role-play the space race and talk about the developments of the USA and USSR. This links to our learning around how transport has changed. Chd then need to make this in their own creative way, using construction or the creative corner.</p> <p>Term 2 - Challenge 3: To build houses made of different materials to protect a toy – which material is best?</p> <p>Term 2 - Challenge 4: Cross curricular writing - to write some instructions for our Autumnal soup – to be displayed and a copy given to parents/carer</p>	<p>Term 1: Amelia Earheart (History) + Autumn writing (Science)</p> <p>Term 2: Materials (Science) + cooking instructions (DT)</p>

NC Objectives – Skills, knowledge and vocabulary taught through Line of Enquiry

History

DT – Materials (textiles)

As historians we will learn how travel has changed over time. How significant people have contributed to national / international achievement

How has travel and transport changed over time?
Events beyond living memory.
Significant individuals
The lives of significant individuals in the past who have contributed to national and international achievements.

Government
Understanding: How travel has been funded.
Wider links: Bristol City Council
<https://www.bristol.gov.uk/residents/streets-travel/transport-plans-and-projects>
Learning about Bristol City Council and their role in the development of travel and transport

Society
Understanding: How travel the advancement in travel technology has made life, trade etc. easier and accessible to all.
Unique or interesting characteristics of said society.
The demographic changes to available goods because of migration to communities across the UK.
Aerospace trip
Sources of information about how travel and transport has changed

Achievement
Understanding: SS Great Britain
Electric cars- reduction of petrol
Invention of the first petrol car, areoplane, steam ship, electric cars, The first car designed for and made by women

(Karl Benz, Brunel, Dorothee Pullinger)
-Neil Armstrong, Mae Jemison travelling into space – First solo flight over the Atlantic – Amelia Earhart
Concorde – fastest plane

Diversity Understanding: Amelia Earhart- first female aviator to fly solo across the Atlantic Ocean. Mae Jefferson first black women into space. Dorothee Pullinger – first car designed and made for women

As Designers and Engineers we will make healthy and nutritious autumnal soup

DT Design Skills:

Explain what they are making and which materials they are using.
Design products that have a clear purpose and an intended user.
Use pictures and words to convey what they want to make.
Say what they like and don't like about their product and explain why.
Talk about how closely their finished product meets their design criteria.

Nutrition skills:

Understand where food comes from
Group foods into the five groups in The Eatwell Plate.
Cut, grate or peel ingredients safely.
Prepare simple dishes-safely and hygienically -without using a heat source.
Measure or weigh using cups or electronic scales.

Vocabulary: products, analyse, needs/wants, sequence, prototype, annotate, refine, evaluate, strengths/weaknesses, criteria,
Cut, peel, grate, nutrition, protein, carbohydrate, fats, fruit + vegetables, dairy, weigh, measure, cook, hygiene

Science	Art
<p>As scientists we will studying:</p> <ul style="list-style-type: none"> - How to distinguish between an object and the material from which it is made - To identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock - To describe and test the simple physical properties of a variety of everyday materials - To compare and group together a variety of everyday materials on the basis of their simple physical properties <p>Working Scientifically: identifying and classifying, performing simple tests</p>	<p>Formal Elements of Art: Colour, texture, shape, pattern Art and Design Skills: Craft and Design Printing Key Artists: Andy Warhol, Henry Matisse, Yayoi Kusama, Bridget Riley End piece: Children will experiment with creating a printing tool to make an original piece of print art work As artists we will learn: As Artists we will: Explore colour, identifying primary and secondary colours and colour mixing Study the work of print artists Explore shape and texture Explore printing techniques Create own printing tool and original artwork Comment on our learning and the learning of our peers</p>

Opportunities for core subject learning across the curriculum	
As readers and writers we will:	As mathematicians we will develop our understanding of:
<p>Fiction: Mr Gumpy's Outing Story Type: Journey Tale Book: Mr Gumpy's Outing</p> <p>Fiction: Where The Wild Things Are Story Type: Portal Story Non-fiction Instructions: Book: Where The Wild Things Are</p> <p>Guided Reading Decoding Prosody Comprehension</p>	<p>Number: Place value within 10 Number: Addition and subtraction within 10 Geometry: Shape</p>

Discrete subject teaching - Skills, knowledge and vocabulary taught discretely	
Physical Education	Music
<p>As fit and healthy citizens we will develop skills in: Fundamentals and Health & Fitness (T1) Ball skills and Gymnastics (T2)</p>	<p>As Musicians we will develop music skills and knowledge through Bristol Beacon music curriculum: Unit 3 Animal rhythm plus Singing</p>
Computing	PSHE
<p>In computing we will develop skills through Teach Computing scheme: Programming A – Moving a robot (T1) Programming B – Programming animations (T2)</p>	<p>As fit and healthy citizens we will develop our knowledge through SCARF scheme: Me and My Relationships In this unit we discuss our feelings and emotions and conflict / resolution in our relationships and friendships.</p>
RE	
<p>As philosophers we will explore the question: Who is a Christian and what do they believe? (<i>Good Samaritan, Lost sheep, stained glass windows</i>)</p>	