

Notes Ans Project Title Updated Sucessfully

**Project Title : Terrific Transport - [2017 - Autumn - Year 4 - 3/4]**

Subject	Theme	Objective	Vocabulary	Resources
Art	Artists and architects	To know about great artists, architects and designers in history.		
Art	Design - drawing, painting and sculpture	To be able to improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials [for example, pencil, charcoal, paint, clay].		
Art	Sketch book	To be able to create sketch books to record their observations and use them to review and revisit ideas.		
Geography	Fieldwork	To be able to use fieldwork to observe, measure, record and present the human and physical features in the local area using a range of methods, including sketch maps, plans and graphs, and digital technologies.		Atlases, globes, world maps
History	Post 1066 Study Aspect or Theme	To be able to study an aspect or theme in British history that extends pupils' chronological knowledge beyond 1066.	empire, civilisation, parliament, peasantry, local, regional, national, cultural, military, economic, religious, social, monarchs,	Victorian Artefacts
RE	Aut 1 Christianity	To understand what the Christian festivals are and if they have lost their meaning in the 2020s		Cross, offertary plate, thurble
RE	Aut 1 Christianity	To understand who the disciples were and their stories		Cross, offertary plate, thurble

Science	Electricity - circuit predictions	To be able to identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery.		Electrical Components Box
Science	Electricity - circuits	To be able to construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers.		Electrical Components Box
Science	Electricity - common appliances	To be able to identify common appliances that run on electricity.	appliance, simple series, circuit, cells, battery, wires, bulbs, switches, buzzers, lamp, complete circuit, loop, conductors, insulators, metal, rubber, current, voltage,	Electrical Components Box
Science	Electricity - conductors and insulators	To be able to recognise some common conductors and insulators, and associate metals with being good conductors.		Electrical Components Box
Science	Electricity - switches	To be able to recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit.		Electrical Components Box
Science	Forces - friction	To be able to compare how things move on different surfaces.	poles, north, south, attract, repel, push and pull forces, iron, electromagnetic, bar, horse shoe, ring, iron filings	Newton meter and friction ramp
Science	Forces - friction and magnets	To know that some forces need contact between two objects, but magnetic forces can act at a distance.		Newton meter and friction ramp
Science	Magnet poles	To be able to describe magnets as having two poles.		Box of magnets
Science	Magnetic materials	To be able to compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials.		Box of magnets
Science	Magnets attract and repel	To be able to observe how magnets attract or repel each other and attract some materials and not others.		Box of magnets

Science	Magnets poles attract/repel	To be able to predict whether two magnets will attract or repel each other, depending on which poles are facing.		Box of magnets
Science	Sound pitch	To be able to find patterns between the pitch of a sound and features of the object that produced it.		Model of human ear
Science	Sound travel	To be able to recognise that vibrations from sounds travel through a medium to the ear.		Model of human ear
Science	Sound vibrations	To be able to identify how sounds are made, associating some of them with something vibrating.	vibrations, vibrating, particles, volume, sound source, pitch, frequency, conductor, insulator,	Model of human ear
Science	Sound volume	To be able to find patterns between the volume of a sound and the strength of the vibrations that produced it.		Model of human ear
Science	Sound volume	To be able to recognise that sounds get fainter as the distance from the sound source increases.		Model of human ear

Notes : Terrific Transport Classroom environment - Reading corner - wooden boat and bean bags, London bus with chairs and clipboards as a work area, London underground map on the wall, plane hanging - Air France, magnets hanging from the ceiling, Science area with friction boards and cars / lorries for experiments, F1 area with checkered flags and road carpet on floor. Class text and other significant texts - The Railway children, transport books, science books, car books, train books, books about World War II. Science - electricity, electrical circuits, electricity in every day life, how we use electricity. Conductors and insulators, what materials conduct and insulate. Magnetism, magnetic poles gravity, forces, friction and gravity. Air resistance (link to air travel) water resistance (link to boats) floating and sinking. Sound and vibrations, the human ear, sonic boom. Art - Artists linked to transport - Joseph Turner (boats and trains) Van Gogh (trains, carriages) Canaletto (boats). Sketching techniques developed - sketching boats. Water colours - Venice, canals and boats. Pastels - Van Gogh carriages and trains. Design - designing a new vehicle - an eco friendly vehicle, designing a logo for a travel company. RE - Christianity - Christian festivals and the relevance of the festivals in 2020s, the disciples and their stories. History - World War II and transport, changes in transport, the development and availability of transport after World War II, military transport. Geography - local area traffic survey, bus routes and public transport links in the locality. Superb starter - Science day - investigation of forces and friction. Mix it up middle - Zoom to BMW looking around the workshop and around a car. Technician to talk through some of the key areas of an engine. Entralling Ending - trip to Silverstone

