



Project Planning – Curie Class

TERRIFIC TRANSPORT

SUPERB STARTER - Science day - investigation of forces and friction.

FRICTION Forces and friction, experiments with ramps and cars.

GRAVITY What is gravity? How can gravity be affected?

ELECTRICITY Electrical circuits, electricity in everyday life, how we use electricity. Conductors and insulators, what materials conduct and insulate.

MAGNETISM Magnetism, magnetic poles.



ART AND D&T

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.

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.



SOUND

Sound and vibrations, the human ear, sonic boom. Concorde. Look at pitch and tone. Link to music and appreciation of music. Classical music.

RESISTANCE

Air resistance (link to air travel) water resistance (link to boats) floating and sinking. Helicopter and paper plane experiments. Experiments with floating and sinking. What floats and what sinks?

ENTRALLING ENDING - Trip to Silverstone Dec wc 6.12.21.



RE - CHRISTIANITY

Christian festivals and the relevance of the festivals in 2020s, the disciples and their stories.

GEOGRAPHY

Local area traffic survey, bus routes and public transport links in the locality.

HISTORY STUDY

World War II and transport, changes in transport, the development and availability of transport after World War II, military transport.