

Science

• **Earth and Space**

Sun, star, moon, planet, dwarf planet, sphere, spherical bodies, satellite, orbit, rotate, axis, geocentric model, heliocentric model, astronomer, solar system, moon phases, asteroid, comet, eclipse.

Significant Scientists: Tim Peake, Buzz Aldrin, Neil Armstrong, Jim Lovell, Valentina Tereshkova, Yuri Malenchenko

• **Forces- Gravity**

Gravity, earth's gravitational pull, weight, mass.

Significant Scientist: Sir Isaac Newton, Professor Brian Cox

• **Light**

Light, light source, incident ray, reflection, reflected ray, the law of reflection, refraction, visible spectrum, prism, shadow, transparent, translucent, opaque.

Computing

Coding- action, alert, algorithm, bug, debug, code design, command, control, design mode, event, Get Input, If/Else, Input, Output, Object, Repeat, Sequence, Selection, Simulation, Timer, Variable.

Databases- Avatar, Binary Tree (Branching Database), Charts, Collaborative, Data, Database, Find, Record, Sort, Group, Arrange, Statistics, Reports, Table.

Key Vocabulary

R.E.

Mission- Life Choices Mission, bishop, ecumenism, cathedral, diocese, inspirational, Baptism, Christian Unity, Gentile, inspired

Star Gazers!



Music

- **Hans Zimmer- The Earth**

P.E.

-Gymastics /Dance-

Fluency, centre of gravity, body awareness, body tension, movement, flexion, extension, balance, control, weight dispersion, agility, coordination, flexibility, strength,

Literacy

Formal/informal and colloquial language, paragraphs, modifiers, rhetorical questions, chronological order, relative/embedded clauses, past tense, exclamative sentences, expanded noun phrases, persuasive language, audience, facts and opinions, emotive language, explanation, time and causal connectives, present tense, technical vocabulary, diagrams, colons.

Art

-Planet Landscapes-

Sketch, colour, shape, texture, hatching, fabrics, materials, shade, accuracy, landscape, mood, observation, blending, model, sculpture.

Design Technology

-CAMS- Moving Toys-

Circular, linear, motion, rotary, eccentric, round, egg-shaped, ellipse, hexagon, snail. mechanisms, components, cam, slider, follower, handle, wheel, diagram.

Stand-alone topics

RE

Memorial Sacrifice Memories, significant, memorial sacrifice, Passover, Pesach, host, chalice, liturgy of the Eucharist, Eucharistic Prayer, consecration. adoration, genuflect, acclamation

PSHE

Being Responsible

responsible, action, consequence, citizen, addiction, intoxicated, pressured, critical consumer

French