




GEOLOGY: AT THE HEART OF ALL SUBJECTS

Geology helps us understand the Earth – how it was formed, how it works and how it shapes life. It connects knowledge, skills and ideas across the curriculum.

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ENGLISH



Develops reading, writing, speaking and listening through real-world contexts.

Geology connection:
Non-fiction texts, explanations of processes, field reports, persuasive writing about conservation and hazards, storytelling from deep time.


MATHEMATICS



Uses data, graphs, statistics, scale, measurement and spatial reasoning.

Geology connection:
Scale drawings, measuring rock samples, interpreting data, timelines of geological events, angles of strata, averages and ratios.


SCIENCE



Explores materials, forces, energy and Earth processes.

Geology connection:
Rocks and minerals, the rock cycle, plate tectonics, volcanoes, earthquakes, erosion, soils and fossil formation.

HISTORY



Examines the past and how it shapes the present.

Geology connection:
Deep time, fossils, ancient environments, Ice Ages, human use of rocks and minerals, geological evidence for change.


CITIZENSHIP / PSHE



Develops responsible citizens who care for people and the planet.

Geology connection:
Sustainability, responsible mining, natural hazards, environmental impact and resource use.

COMPUTING



Uses technology to find, analyse and present information.

Geology connection:
GIS mapping, 3D modelling, data logging, simulations of earthquakes/volcanoes, coding for data analysis, research and presentations.

ART & DESIGN



Inspires creativity through landscapes, textures and natural forms.

Geology connection:
Drawing and painting landscapes, rock textures, fossil art, sculpture, photography, pattern and design inspired by nature.

MUSIC



Explores how music is influenced by culture and place.

Geology connection:
Songs about mountains, rivers and the Earth, sounds of nature, cultural connections to landscapes.


PE



Promotes physical activity, teamwork and outdoor learning.

Geology connection:
Fieldwork, hiking, orienteering, map reading, learning in diverse landscapes, building resilience outdoors.

RELIGIOUS EDUCATION



Investigates beliefs, values and the impact on communities.

Geology connection:
Sacred rocks and mountains, creation stories, stewardship of the Earth, wonder at natural processes.


DRAMA



Brings stories and issues to life through role play and performance.

Geology connection:
Role play of natural disasters, the journey of a rock, paleontological discoveries, debating environmental issues.

MFL (MODERN FOREIGN LANGUAGES)



Encourages communication and understanding of other cultures.

Geology connection:
Learning about countries rich in geological features, natural disasters and resources, and global collaboration.


DESIGN & TECHNOLOGY



Solves real-world problems by designing and making products and systems.

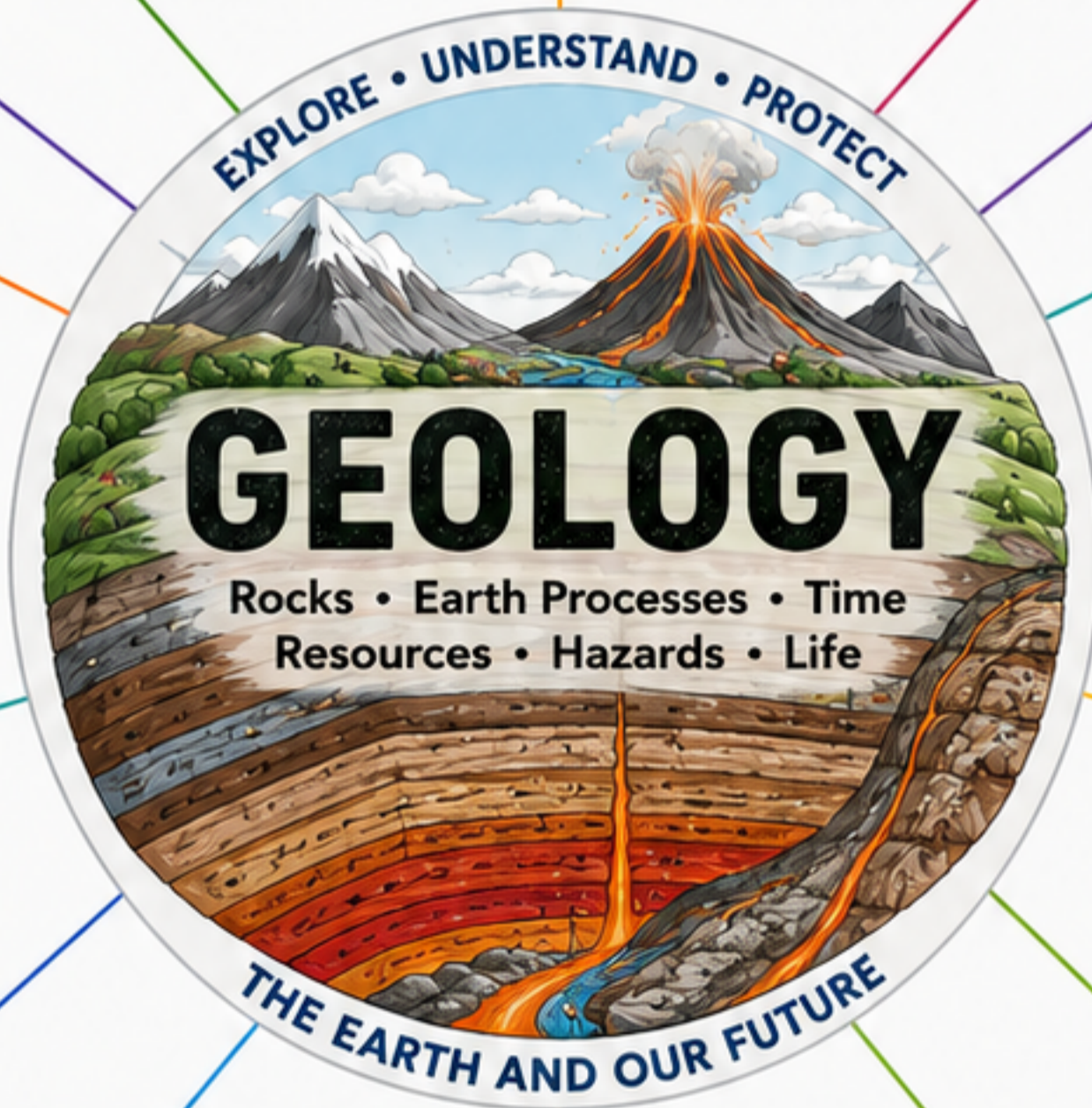
Geology connection:
Building with natural materials, mining and quarrying solutions, infrastructure, construction, sustainable design.

STATISTICS



Collects, analyses and interprets data effectively.

Geology connection:
Analysing earthquake data, volcanic activity, rainfall on erosion, mineral production, trends and predictions.



GEOLOGY BUILDS ESSENTIAL SKILLS AND UNDERSTANDING

-  Curiosity and wonder about the natural world
-  Critical thinking and problem solving
-  Spatial awareness and fieldwork skills
-  Empathy and global awareness
-  Sustainability and responsible decisions
-  Resilience, adaptability and future readiness

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GEOLOGY CONNECTS KNOWLEDGE, PEOPLE AND PLACES TO HELP US UNDERSTAND THE PAST, LIVE IN THE PRESENT AND SHAPE A BETTER FUTURE.

