



REALign Learning Pedagogy™

Upper Primary Subject Knowledge

“REALign Learning: Reimagining Education for a Regenerative World”

From
The Sustainable Academy

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A dynamic, purpose-driven pedagogy for global Earth
stewards

REALign stands for:

Relationship-Centred

Experience & Explore

Authentic

Lifescape Awareness

ign – to reimagine, to align, to ignite sustainable futures



REALign Learning for Upper Primary (Ages 9–12)

**Subject-Aligned Framework with
Knowledge Content for Global Earth
Stewardship**



English

Subject Knowledge Content:

Narrative structures, descriptive writing, and persuasive techniques

Grammar, punctuation, and vocabulary building

Comprehension strategies for factual, fictional, and multimedia texts

Speaking and listening skills through discussion, debate, and performance

REALign Focus:

Writing persuasive letters on climate action or food waste

Reading and analysing eco-themed literature, poetry, and global children's stories

Creating campaign materials, eco-blogs, or spoken word performances

Participating in group discussions on sustainability dilemmas



Subject Knowledge Content:

Data collection and presentation: charts, graphs, and tables

Measurement (length, area, volume, time, temperature)

Number and operations: decimals, percentages, fractions, ratios

Problem solving using real-life contexts

REALign Focus:

Measuring water or energy usage in school and analysing data trends

Calculating food miles and carbon emissions

Creating infographics to show impacts of plastic use or recycling

Applying estimation and scaling to local vs. global resource use



Science (incl. Earth Science)

Subject Knowledge Content:

The water cycle, states of matter, and weather systems

Renewable and non-renewable energy sources

Plant and animal life cycles, classification, food chains and webs

Human impact on ecosystems and biodiversity

Forces, motion, and simple machines

REALign Focus:

Investigating local microhabitats and food webs

Comparing solar, wind, and fossil energy efficiency

Designing simple devices like solar ovens or water filters

Conducting school biodiversity audits and creating conservation plans



Social Studies (History, Geography, Cultural Studies)

Subject Knowledge Content:

Physical and human geography: landforms, climate zones, settlements

Mapping skills, scale, direction, and symbols

Historical change and continuity, cause and effect

Cultural identity, tradition, and global interdependence

REALign Focus:

Mapping local and global climate impacts

Comparing sustainability practices across cultures and time periods

Investigating the role of people and place in food production and waste

Exploring the legacy of historical land use and resource exploitation



Citizenship

Subject Knowledge Content:

Rights and responsibilities (linked to UNCRC and SDGs)

Participation, cooperation, and leadership

Diversity, justice, and fairness

Community and democratic decision-making

REALign Focus:

Exploring climate justice, environmental rights, and equity

Leading school eco-council or action projects

Engaging in democratic processes: voting on green changes, budgeting for improvements

Planning events for Earth Day or Sustainability Week



The Arts

Subject Knowledge Content:

Visual arts: elements (line, texture, shape, colour), media and techniques

Music: rhythm, melody, form, and cultural expression

Drama and performance: role play, scriptwriting, improvisation

Creative expression for audience and purpose

REALign Focus:

Creating eco-art from reused materials

Composing environmental songs or raps

Performing plays or movement pieces about ecosystems or global responsibility

Designing murals or public installations to inspire action

Physical Education and Health & Wellbeing

Subject Knowledge Content:

Physical movement, coordination, and fitness

Emotional regulation and social relationships

Healthy lifestyle choices and the environment

Risk assessment and personal safety

REALign Focus:

Nature-based games, forest play, or team problem-solving outdoors

Mindful walking or breathing linked to environmental observation

Exploring the health impacts of pollution, poor food choices, or inactivity

Using school gardens and green spaces to promote wellbeing



Summary: Interdisciplinary Connections

Each subject is enriched through the REALign Learning Pedagogy™ by:

Grounding learning in real-world sustainability contexts

Encouraging active, purposeful inquiry

Supporting learners to see themselves as capable Earth stewards

