

Welsh - Progression 2 Stage

Humanities Curriculum For Sustainability Complementing the Welsh Framework



This outline, grounded in the Welsh curriculum, provides a foundation for planning teaching, learning, and experiences that promote sustainability. It is designed to be flexible, allowing teachers to adapt the learning to meet the needs of their specific cohort. Co-creating learning experiences is encouraged, fostering collaboration between educators and students. This progression pathway aims to support teachers in their planning and implementation of sustainability-focused education.

Overarching Objectives for Progression Step 2:

- Encourage curiosity and engagement with the world.
- Develop critical thinking and problem-solving skills.
- Promote personal, social, and cultural development.
- Foster a sense of responsibility for personal health, well-being, and the environment.

The Curriculum of Wales

Expressive Arts	Health and Wellbeing	Humanities (including History, Geography, Religion, Values, and Ethics)	Languages, Literacy, and Communication (including Welsh and International Languages)	Mathematics and Numeracy	Science and Technology
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Expressive Arts Subject Areas: Music, Drama, Art, Dance, Film and Digital Media. Objectives: Develop creativity and imagination. Explore a range of media, techniques, and materials. Express ideas and feelings through different artistic forms. Begin to reflect on their own work and that of others.	Health and Well-being Subject Areas: Physical Health, Mental and Emotional Well-being, Relationships, Healthy Eating, Personal Safety. Objectives: Understand physical health and its connection to well-being. Develop emotional literacy and manage feelings. Learn about making healthy choices (diet, exercise). Build interpersonal skills to foster	Humanities Subject Areas: History, Geography, Religious Education, Business Studies, and Social Studies. Objectives: Understand past and present human experiences, locally and globally. Develop a sense of belonging and identity. Learn about sustainability and the impact of human actions on the planet. Begin to explore ethical questions and different belief systems.	Languages, Literacy and Communication Subject Areas: English, Welsh, Modern Foreign Languages, Literature, Oracy. Objectives: Develop competence in both Welsh and English. Explore the use of language for different purposes (e.g., storytelling, explaining, persuading). Learn to communicate effectively through speech and writing. Engage with a range of literary texts, including Welsh literature.	Mathematics and Numeracy Subject Areas: Number, Geometry, Algebra, Measurement, Data Handling. Objectives: Develop understanding of numbers, patterns, and shapes. Solve practical problems using basic mathematical techniques. Begin to understand and apply mathematical reasoning. Learn to use data to interpret the world around them.	Science and Technology Subject Areas: Biology, Chemistry, Physics, Computer Science, Design and Technology. Objectives: Begin to explore the natural world and understand simple scientific concepts. Engage with technology and develop basic computational thinking. Design, make, and evaluate simple products and systems. Explore sustainability through understanding energy and material use.
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	positive relationships.				
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The Sustainability Curriculum Headings

Understanding Sustainability (SUS1)	Environmental Awareness (SUS2)	Environmental Stewardship (SUS3)	Waste Management (SUS4)	Energy Conservation (SUS5)	Biodiversity and Ecosystems (SUS6)
Climate Change and Adaptation (SUS7)	Food and Agriculture (SUS8)	Water Conservation (SUS9)	Sustainable Transport and Urban Planning (SUS10)	Citizenship / Global Responsibility and Sustainable Development (SUS11)	Outdoor Learning and Connection to Nature (SUS12)

The Sustainability Curriculum Model linked to the Curriculum of Wales - Progression Step 2

Understanding
Sustainability

(SUS1)

Humanities

Health and Well-being AOLE: Understanding Sustainability

Subject Areas: Physical Health, Mental and Emotional Well-being, Relationships, Healthy Eating, Personal Safety

Learning Objectives:

Understand Physical Health and Its Connection to Well-being

Recognize how spending time in nature can improve physical health and well-being, and explore sustainable outdoor activities, such as walking or gardening.

Identify simple actions that contribute to both personal health and environmental sustainability, like active transport (walking, biking) that reduces pollution.

Develop Emotional Literacy and Manage Feelings

Discuss feelings related to nature and the environment, exploring emotions about caring for the planet and their role within it.

Practice mindfulness exercises outdoors or in natural settings, learning to appreciate and feel connected to their surroundings, which promotes well-being.

Learn About Making Healthy Choices (Diet, Exercise)

Explore the impact of food choices on health and the environment, such as choosing seasonal, local foods and learning about sustainable food sources.

Participate in physical activities that are environmentally friendly, understanding how daily choices in exercise, like outdoor play, can support both health and the environment.

Build Interpersonal Skills to Foster Positive Relationships

Develop teamwork skills by participating in group activities focused on eco-friendly goals, like litter-picking or planting trees, to build positive relationships and shared responsibility.

Learn to communicate respectfully about sustainability topics, practising how to share ideas on living healthily and sustainably within friendships and family.

Environmental Awareness
(SUS2)

Humanities

Humanities AOLE: Environmental Awareness

Subject Areas: History, Geography, Religious Education, Business Studies, and Social Studies

Learning Objectives:

Understand Past and Present Human Experiences, Locally and Globally

Explore how different communities, past and present, have used and cared for natural resources, recognising practices that supported environmental balance and those that impacted it.

Compare local and global examples of how people have adapted to their environment, learning about sustainable and unsustainable practices across cultures and times.

Develop a Sense of Belonging and Identity

Understand the significance of natural landscapes, local resources, and heritage, building a sense of connection and responsibility toward preserving the local environment.

Reflect on how their actions and choices, as part of a community, can contribute to a healthier, more sustainable world.

Learn About Sustainability and the Impact of Human Actions on the Planet

Identify how everyday actions, such as waste production and energy use, impact the environment, and explore ways to make positive changes.

Learn about ecosystems and the importance of preserving biodiversity, understanding the role each person plays in protecting the planet.

Begin to Explore Ethical Questions and Different Belief Systems

Engage in discussions about the ethical implications of environmental care, such as the fair use of resources and the responsibility to future generations.

Explore how various belief systems and cultures view nature, learning to appreciate different perspectives on environmental stewardship and sustainability.

Environmental Stewardship

(SUS3)

Humanities

Humanities AOLE: Earth Stewardship

Subject Areas: History, Geography, Religious Education, Business Studies, and Social Studies

Learning Objectives:

Understand Past and Present Human Experiences, Locally and Globally

Explore historical events and movements related to environmental stewardship and conservation, examining how past societies interacted with and impacted their environments.

Investigate contemporary global issues related to Earth stewardship, such as climate change, deforestation, and conservation efforts, and understand their local implications.

Develop a Sense of Belonging and Identity

Reflect on personal and community identities in relation to the local environment, discussing how cultural practices and traditions are connected to the natural world.

Engage in community projects that promote Earth stewardship, fostering a sense of belonging and responsibility towards the environment and the community.

Learn About Sustainability and the Impact of Human Actions on the Planet

Study different models of sustainable practices in various cultures and economies, discussing how these practices can be adapted to local contexts.

Analyse case studies that illustrate the consequences of human actions on ecosystems and communities, encouraging critical thinking about the role of individuals and societies in promoting sustainability.

Begin to Explore Ethical Questions and Different Belief Systems

Examine ethical questions surrounding environmental issues, such as conservation vs. development, and discuss the responsibilities of individuals and societies towards the planet.

Explore how different belief systems and cultural perspectives shape attitudes toward nature and environmental stewardship, promoting respect and understanding of diverse viewpoints.

Waste Management

(SUS4)

Humanities

Humanities AOLE: Waste Management and Circular Earth Resources

Subject Areas: History, Geography, Religious Education, Business Studies, and Social Studies

Learning Objectives:

Understand Past and Present Human Experiences, Locally and Globally

Explore historical case studies of waste management practices across different cultures and time periods, examining how these practices have evolved and their impact on societies.

Investigate local and global responses to waste challenges, such as community recycling programs and international treaties on waste management, fostering a broader understanding of current issues.

Develop a Sense of Belonging and Identity

Encourage learners to connect their personal and community identities to local environmental issues, promoting a sense of stewardship towards their surroundings through active participation in waste reduction initiatives.

Explore how cultural beliefs and practices influence attitudes toward waste and sustainability, highlighting the importance of local traditions in resource management.

Learn About Sustainability and the Impact of Human Actions on the Planet

Analyse the relationship between waste management practices and sustainability, discussing the effects of consumerism and waste on the environment and future generations.

Investigate local environmental issues related to waste and resources, encouraging learners to propose sustainable solutions and engage with their communities on these matters.

Begin to Explore Ethical Questions and Different Belief Systems

Facilitate discussions on the ethical implications of waste production and management, prompting learners to consider their responsibilities towards the environment and future generations.

Encourage exploration of various belief systems regarding environmental stewardship and resource management, discussing how different cultures approach waste and sustainability.

Energy Conservation (SUS5)

Humanities

Humanities AOLE: Energy Conservation and Energy Alternatives

Subject Areas: History, Geography, Religious Education, Business Studies, Social Studies

Learning Objectives:

Understand Past and Present Human Experiences, Locally and Globally

Explore how energy use has changed over time, from traditional sources to modern renewable alternatives, and discuss how communities adapt to these changes.

Learn about the history of energy conservation movements and key figures who have influenced sustainable practices locally and globally.

Develop a Sense of Belonging and Identity

Discuss how energy choices affect local and global communities and reflect on the role each individual can play in energy conservation.

Recognize the cultural significance of conserving resources and explore how different communities approach sustainability and energy use, fostering a shared responsibility.

Learn About Sustainability and the Impact of Human Actions on the Planet

Investigate the environmental effects of various energy sources, discussing renewable vs. non-renewable options and their impacts on ecosystems.

Develop an understanding of the global challenges related to energy use and how adopting alternatives, such as solar or

wind power, can help reduce carbon footprints and protect natural resources.

Begin to Explore Ethical Questions and Different Belief Systems

Examine ethical considerations around energy use, such as the responsibility to conserve resources and the fairness of resource distribution worldwide.

Explore how different belief systems and cultures view the stewardship of the earth, fostering respect for diverse perspectives on energy conservation and sustainability.

Biodiversity and Ecosystems (SUS6)

Humanities

Humanities AOLE: Biodiversity and Ecosystems

Subject Areas: History, Geography, Religious Education, Business Studies, and Social Studies

Learning Objectives:

Understand Past and Present Human Experiences, Locally and Globally

Explore how different communities and cultures, past and present, interact with their natural environments and depend on biodiversity for resources like food, medicine, and shelter.

Learn about historical changes in ecosystems due to human actions, such as agriculture, industry, and urbanisation, and their lasting impacts on biodiversity and landscapes.

Develop a Sense of Belonging and Identity

Recognize the importance of local natural habitats and ecosystems in shaping cultural identity and community well-being,

fostering a sense of connection to their environment.

Explore how being part of a biodiverse world contributes to personal and community identity, building respect for the diversity of life and habitats.

Learn About Sustainability and the Impact of Human Actions on the Planet

Understand the role of sustainable practices in protecting biodiversity and ecosystems, such as conserving resources, reducing pollution, and supporting wildlife habitats.

Examine the effects of specific human activities, like deforestation, pollution, and conservation efforts, on biodiversity and explore actions individuals and communities can take to support ecological balance.

Begin to Explore Ethical Questions and Different Belief Systems

Investigate how various belief systems and philosophies encourage respect and responsibility toward nature, and how these perspectives guide practices that protect biodiversity.

Reflect on ethical questions related to the environment, such as the rights of animals and plants, the responsibility to future generations, and how to balance human needs with environmental protection.

Climate Change and Adaptation

(SUS7)

Humanities

Humanities AOLE: Climate Change and Adaptation

Subject Areas: History, Geography, Religious Education, Business Studies, and Social Studies

Learning Objectives:

Understand Past and Present Human Experiences, Locally and Globally

Investigate historical events related to climate change, including significant changes in climate policy, environmental disasters, and their impact on communities in Wales and worldwide.

Compare and contrast local climate adaptation strategies with those from other countries, exploring how different cultures respond to environmental challenges.

Develop a Sense of Belonging and Identity

Reflect on personal and community connections to the environment, considering how local traditions and practices contribute to sustainability and climate resilience.

Examine the role of various cultural identities in shaping attitudes and responses to climate change, fostering an understanding of diverse perspectives.

Learn About Sustainability and the Impact of Human Actions on the Planet

Explore the concept of sustainability through the lens of geography, investigating how land use, resource management, and urban planning impact climate change and adaptation efforts.

Discuss case studies that illustrate the consequences of human actions on ecosystems, including the depletion of resources and loss of biodiversity.

Begin to Explore Ethical Questions and Different Belief Systems

Engage in discussions about the ethical implications of climate change, including responsibility for future generations and the moral obligations of individuals and governments.

Investigate how different religious and philosophical beliefs influence attitudes toward environmental stewardship and sustainability practices.

Humanities

Learning Objective:

Learners will begin to explore the **ethical, environmental, and cultural dimensions** of how food is produced and consumed in Wales, including land-based agriculture, aquaculture, and agroforestry. They will consider how different belief systems, values, and communities care for the land and sea, and how these practices impact people, animals, and the planet. Learners will reflect on the fairness of food systems, the importance of cultural traditions, and their own values around food and sustainability.

Global Framework Links:

- **SDG 2: Zero Hunger** – understanding the right to food and the responsibility to grow and share it sustainably.
- **SDG 12: Responsible Consumption and Production** – considering how ethical food choices reduce harm and waste.
- **UNCRC Article 24** – Right to nutritious food and learning about health and the environment.
- **UNCRC Article 14** – Right to think and believe freely, including respect for food and farming traditions.
- **UNRMS Principles** – Recognising the ethical use of natural resources and shared stewardship responsibilities.

Example Activities:

- Explore stories or traditions from different cultures and belief systems related to farming, fishing, and forestry.
- Role-play scenarios (e.g. a family deciding whether to buy local food or imported snacks) and discuss the consequences.
- Visit or research a local farm, forest, or shellfish business and ask: "Is this a fair and sustainable way to grow food?"
- Create a simple ethical food guide poster from a child's point of view: "If I were in charge of food in my school..."

Science and Technology Learning Objective

Topic: Food and Agriculture, Aquaculture, and Agroforestry in Wales

Curriculum Strand Objectives:

- Begin to explore the natural world and understand simple scientific concepts
- Engage with technology and develop basic computational thinking
- Design, make, and evaluate simple products and systems
- Explore sustainability through understanding energy and material use

Learning Objective:

Learners will investigate how **plants, animals, and ecosystems in Wales support food production** through agriculture, aquaculture, and agroforestry. They will begin to understand the basic science behind growing food, the materials and energy involved, and how technology can support sustainable systems. Learners will design, make, and evaluate simple tools or systems related to food growing or harvesting, while beginning to recognise the impact of their designs on the environment.

Global Framework Links:

- **SDG 13: Climate Action** – recognising how food systems can support or harm the climate depending on design and resource use.
- **SDG 15: Life on Land / SDG 14: Life Below Water** – investigating how responsible farming and fishing protect ecosystems.
- **UNCRC Article 29** – Education must develop respect for the natural environment.
- **UNRMS Principles** – Encouraging early scientific thinking around the circular use of energy and materials in food production.

Example Activities by Discipline:

- **Biology:** Observe the life cycles of food crops or shellfish. Investigate what plants and animals need to grow in farm or sea environments.
- **Chemistry:** Test different soils, water qualities, or compost types used in local farms or school gardens.
- **Physics:** Explore how energy (e.g. sunlight, water, gravity) helps plants grow and powers simple tools like irrigation systems.
- **Computer Science:** Use basic data logging tools (e.g. weather tracking, plant growth charts) or create simple coding sequences for monitoring food systems.
- **Design and Technology:** Build a mini vertical garden, simple aquaponics model, or packaging that protects food

using natural or recycled materials.

Water Conservation

(SUS9)

Humanities

Humanities AOLE: Food and Agriculture

Subject Areas: History, Geography, Religious Education, Business Studies, and Social Studies

Learning Objectives:

Understand Past and Present Human Experiences, Locally and Globally

Investigate the historical development of local and global food systems, exploring how agricultural practices have evolved over time and their impact on societies.

Examine the significance of traditional food practices in Wales and other cultures, highlighting how these practices shape community identities and heritage.

Develop a Sense of Belonging and Identity

Reflect on how food contributes to personal and cultural identities, encouraging learners to share stories about their family traditions and local foods.

Explore how local agricultural practices connect individuals to their communities, fostering a sense of belonging and responsibility towards sustainable practices.

Learn About Sustainability and the Impact of Human Actions on the Planet

Analyse the effects of modern agricultural practices on the environment, including discussions on climate change, resource depletion, and biodiversity loss.

Investigate sustainable food systems, including local farming initiatives and global movements towards eco-friendly agriculture, to understand their importance in preserving the planet for future generations.

Begin to Explore Ethical Questions and Different Belief Systems

Discuss ethical issues related to food production and consumption, such as animal welfare, fair trade, and the implications of genetically modified organisms (GMOs).

Explore how different cultures and religions view food, including dietary restrictions and the significance of food in various rituals and celebrations, fostering respect and understanding of diverse beliefs.

Sustainable Transport and Urban Planning

(SUS10)

Humanities

Humanities AOLE: Sustainable Transport, Urban Planning, and Building

Subject Areas: History, Geography, Religious Education, Business Studies, and Social Studies

Learning Objectives:

Understand Past and Present Human Experiences, Locally and Globally

Explore the historical development of urban areas in Wales and their transportation systems, comparing them to urban

planning in other countries to identify key trends and differences.

Investigate how past decisions about urban development and transportation have shaped current societal structures and environmental challenges, fostering an understanding of historical context.

Develop a Sense of Belonging and Identity

Examine how local transport and urban planning reflect cultural values and community identity in Wales, encouraging learners to express their connection to their communities.

Engage with stories and experiences of diverse communities regarding transport accessibility and urban development, promoting empathy and understanding of different perspectives.

Learn About Sustainability and the Impact of Human Actions on the Planet

Analyse the sustainability of current transportation and urban planning practices, exploring how they align with the global SDGs and contribute to environmental preservation.

Discuss the role of urbanisation and transport in climate change and resource depletion, encouraging learners to consider sustainable alternatives and solutions.

Begin to Explore Ethical Questions and Different Belief Systems

Explore ethical dilemmas related to urban planning and transport, such as gentrification, environmental justice, and equitable access to resources, encouraging critical thinking and discussion.

Investigate how different belief systems influence views on sustainability, community responsibility, and urban living, fostering respect for diverse perspectives.

Citizenship / Global Responsibility and Sustainable Development (SUS11)

Humanities

Humanities AOLE: Citizenship, Global Responsibility, and Sustainable Development

Subject Areas: History, Geography, Religious Education, Business Studies, and Social Studies

Learning Objectives:

Understand Past and Present Human Experiences, Locally and Globally

Explore how communities and societies, both in Wales and globally, have adapted to environmental changes and challenges, focusing on sustainable practices over time.

Introduce key historical events that shaped our understanding of global responsibility and examine their lasting impacts on citizenship and sustainable development.

Develop a Sense of Belonging and Identity

Encourage learners to explore their local community's cultural heritage and connect it with the wider global community, promoting an appreciation of diversity and shared responsibility.

Foster a sense of identity rooted in respect for local and global environmental resources, discussing how belonging can be tied to caring for and sustaining one's surroundings and the planet.

Learn About Sustainability and the Impact of Human Actions on the Planet

Investigate ways that human activities impact natural resources and ecosystems, locally and globally, connecting these impacts to relevant SDGs (e.g., SDG 13: Climate Action, SDG 15: Life on Land).

Explore sustainable solutions practiced globally, such as renewable energy and responsible consumption, emphasizing Wales's role within the global community in tackling these issues.

Begin to Explore Ethical Questions and Different Belief Systems

Discuss diverse ethical perspectives related to the environment, social justice, and human rights, encouraging learners to consider the moral implications of sustainable and unsustainable practices.

Introduce a range of belief systems and cultural values regarding stewardship of the Earth, allowing learners to reflect on

how these perspectives guide attitudes toward the environment, community well-being, and global citizenship.

Outdoor Learning and Connection to Nature (SUS12)

Humanities

Humanities AOLE: Outdoor Learning, Connectedness with Nature, and Sensory Exploration

Subject Areas: History, Geography, Religious Education, Business Studies, Social Studies

Learning Objectives:

Understand Past and Present Human Experiences, Locally and Globally

Explore how communities, past and present, have relied on and connected with their natural environment, using local outdoor sites as a lens for understanding these relationships.

Learn about traditional uses of local plants, landscapes, and natural resources, developing an appreciation for historical ways of life connected to nature.

Develop a Sense of Belonging and Identity

Participate in activities that build a connection to local natural landmarks, fostering a sense of place and belonging within the local environment.

Reflect on personal and cultural connections to nature, exploring how different communities, both locally and globally, relate to their surroundings.

Learn About Sustainability and the Impact of Human Actions on the Planet

Engage in outdoor exploration to observe and discuss how human actions have impacted local natural areas, learning about topics such as biodiversity, pollution, and conservation.

Participate in hands-on activities that promote sustainable practices, such as recycling, conserving resources, and protecting habitats, reinforcing concepts of environmental stewardship.

Begin to Explore Ethical Questions and Different Belief Systems

Explore diverse perspectives on nature and sustainability, considering how different belief systems and cultural traditions view and care for the environment.

Discuss ethical questions related to nature and resource use, such as the balance between conservation and development, drawing on outdoor observations and sensory experiences.

