

Teaching Sustainability Through The Sustainability Development Goals - SDGS

SDG2 Zero Hunger -5-18 Years. Generic Curriculum For Scotland / England / Wales /Northern Ireland /Ireland / New Zealand USA/ Australia /Canada



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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)

Key Stage 1 - Infants - Level 1 SGD1 - No Poverty

Sustainability Development Goal	Sustainability Learning	Learning Objective
Zero Hunger	Understanding Sustainability	Learners will develop a basic understanding of the concept of zero hunger and its connection to sustainability. Through age-appropriate activities, storytelling, and discussions, learners will explore the importance of access to nutritious food for everyone and how sustainable practices can help achieve zero hunger. They will learn about the various factors that contribute to food insecurity and hunger, such as poverty, environmental degradation, and unequal distribution of resources. Learners will also discover simple ways to promote sustainability in food production and consumption, such as reducing food waste, supporting local farmers, and choosing environmentally friendly food options. Learners will demonstrate an understanding of the role of sustainability in achieving zero hunger and identify actionable steps they can take to support sustainable food practices in their daily lives and communities.

	Environmental awareness	Learners will understand the importance of environmental awareness in achieving the goal of zero hunger. Through storytelling, interactive activities, and discussions, learners will explore how environmental factors such as climate change, soil degradation, and water scarcity can affect food production and contribute to hunger. They will learn about the interconnectedness between healthy ecosystems and food security, and the importance of conserving natural resources for sustainable agriculture. Learners will also discover simple ways to protect the environment and support food security, such as reducing food waste, composting, and planting edible gardens. Learners will demonstrate an understanding of the relationship between environmental awareness and zero hunger, and identify ways they can help protect the environment and ensure access to nutritious food for all
	Environmental Stewardship	Learners will grasp the connection between being an Earth steward and achieving the goal of zero hunger. Through storytelling, interactive activities, and discussions, learners will explore how taking care of the Earth's resources can help ensure access to nutritious food for everyone. They will learn about the importance of sustainable farming practices, soil health, and biodiversity in promoting food security. Learners will also discover simple ways to be Earth stewards, such as reducing food waste, recycling, and caring for plants and animals. Learners will demonstrate an understanding of the role of being an Earth steward in achieving zero hunger and identify actions they can take to care for the Earth and support access to nutritious food for all.
	Waste Management	Learners will understand the importance of waste management in achieving the goal of zero hunger. Through engaging activities, storytelling, and discussions, learners will explore how reducing food waste and proper waste disposal practices can contribute to ensuring access to nutritious food for all. They will learn about the impact of food waste on hunger and the environment, and how simple actions like composting and recycling can help address both issues. Learners will also discover the importance of responsible consumption habits in reducing food waste and supporting food security. Learners will demonstrate an understanding of the role of waste management in achieving zero hunger and

		identify actions they can take to reduce food waste and support food security in their communities
	Energy Conservation	Learners will understand the importance of energy conservation in achieving the goal of zero hunger. Through engaging activities, storytelling, and discussions, learners will explore how energy conservation practices can support food production and ensure access to nutritious food for all. They will learn about the energy inputs required for farming, transportation, and food processing, and how reducing energy consumption can help lower production costs and make food more affordable. Learners will also discover simple ways to conserve energy in their daily lives, such as turning off lights and appliances when not in use, and using energy-efficient technologies. Learners will demonstrate an understanding of the role of energy conservation in achieving zero hunger and identify actions they can take to conserve energy and support food security in their communities.
	Biodiversity and Ecosystems	Learners will understand the importance of biodiversity and healthy ecosystems in achieving the goal of zero hunger. Through interactive activities, storytelling, and discussions, learners will explore how diverse ecosystems support food production and contribute to food security. They will learn about the role of pollinators, soil organisms, and natural habitats in maintaining healthy and productive agricultural systems. Learners will also discover the importance of preserving biodiversity for future generations and how human actions can impact ecosystems and food availability. Learners will demonstrate an understanding of the connection between biodiversity, ecosystems, and zero hunger, and identify actions they can take to support biodiversity conservation and food security in their communities
	Climate Change and Adaptation	Learners will understand the connection between climate change, adaptation, and the goal of zero hunger. Through engaging activities, storytelling, and discussions, learners will explore how climate change can affect food production and access to nutritious food. They will learn about the impact of extreme weather events, such as droughts and floods, on agriculture and food security,

		and how communities can adapt to these changes. Learners will also discover simple ways to reduce their carbon footprint and support climate resilience in their communities, such as planting trees and conserving water. By the end of the lesson, learners will demonstrate an understanding of the relationship between climate change, adaptation, and zero hunger, and identify actions they can take to support food security in a changing climate
	Food and Agriculture	Learners will understand the importance of food and agriculture in achieving the goal of zero hunger. Through interactive activities, storytelling, and discussions, learners will explore how food is grown, harvested, and distributed to ensure everyone has access to nutritious food. They will learn about different types of foods, where they come from, and how they contribute to a healthy diet. Learners will also discover the role of farmers and agricultural workers in producing food and how communities can support local agriculture to reduce hunger. Learners will demonstrate an understanding of the connection between food, agriculture, and zero hunger, and identify actions they can take to support food security in their communities
	Water Conservation	Learners will understand the importance of water conservation in achieving the goal of zero hunger. Through engaging activities, storytelling, and discussions, learners will explore how water is essential for growing food and ensuring access to nutritious meals for everyone. They will learn about the importance of using water wisely in agriculture, including irrigation methods that conserve water and reduce waste. Learners will also discover simple ways to conserve water in their daily lives, such as turning off taps when not in use and using water-efficient appliances. Learners will demonstrate an understanding of the connection between water conservation, food production, and zero hunger, and identify actions they can take to support water conservation and food security in their communities
	Sustainable Transport and Urban Planning	Learners will understand the importance of sustainable transport and urban planning in achieving the goal of zero hunger. Through interactive activities, storytelling, and discussions, learners will explore how access to transportation

		and well-planned cities can help ensure everyone has access to nutritious food. They will learn about the role of transportation in delivering food from farms to markets and how urban planning can support access to grocery stores and fresh produce. Learners will also discover simple ways to support sustainable transport and urban planning in their communities, such as walking or biking instead of driving and advocating for more parks and green spaces. Learners will demonstrate an understanding of the connection between sustainable transport, urban planning, and zero hunger, and identify actions they can take to support food security in their communities
	Citizenship / Global Responsibility and Sustainable Development	Learners will understand the importance of global citizenship and their responsibility in achieving the goal of zero hunger worldwide. Through interactive activities, storytelling, and discussions, learners will explore how people around the world are connected and how their actions can impact food security for others. They will learn about the unequal distribution of resources and how poverty and hunger affect different communities globally. Learners will also discover simple ways to be responsible global citizens, such as supporting organizations that work to end hunger, and showing empathy and kindness towards others. Learners will demonstrate an understanding of the connection between global citizenship, responsibility, and zero hunger, and identify actions they can take to support food security for all people
	Outdoor Learning and Connection to Nature	Learners will understand the connection between creating zero hunger and spending time outdoors in nature. Through engaging activities, storytelling, and outdoor exploration, learners will explore how nature provides resources for food production and fosters an appreciation for the environment. They will learn about the plants and animals that contribute to food production and the importance of healthy ecosystems for growing nutritious food. Learners will also discover the joy of spending time outdoors, connecting with nature, and how this connection can inspire them to support food security in their communities. Learners will demonstrate an understanding of the connection between outdoor learning, nature, and zero hunger, and identify actions they can take to support food security and conservation efforts in their communities

Key Stage 2 - Juniors - Level 2- SGD1 - No Poverty

Sustainability Development Goal	Sustainability Learning	Learning Objective
Zero Hunger	Understanding Sustainability	Learners will understand the interconnection between creating zero hunger and spending time in outdoor learning environments, fostering a deeper connection to nature. Through hands-on activities, exploration, and storytelling, learners will explore how nature provides resources for food production and how outdoor learning can inspire appreciation for the environment and sustainable food practices. They will learn about the importance of biodiversity, soil health, and pollinators in supporting food security. Learners will also discover how spending time outdoors can inspire them to become stewards of the environment and advocate for sustainable food systems in their communities. Learners will demonstrate an understanding of the connection between outdoor learning, nature, and zero hunger, and identify actions they can take to support food security and conservation efforts in their communities
	Environmental awareness	Learners will understand the relationship between creating zero hunger and environmental awareness. Through discussions, activities, and case studies, learners will explore how environmental factors such as climate change, soil

		health, and water availability impact food production and access to nutritious food. They will learn about the importance of sustainable farming practices, reducing food waste, and conserving natural resources to support food security. Learners will also discover how their actions can contribute to environmental conservation and food security in their communities. Learners will demonstrate an understanding of the connection between environmental awareness and zero hunger, and identify actions they can take to support food security and environmental sustainability
	Environmental Stewardship	Learners will understand the importance of environmental stewardship in achieving the goal of zero hunger. Through discussions, activities, and hands-on experiences, learners will explore how responsible management of natural resources and ecosystems can support food security. They will learn about sustainable agricultural practices, such as crop rotation and organic farming, and how these practices can conserve soil health and biodiversity while ensuring access to nutritious food. Learners will also discover how reducing food waste and supporting local food systems can contribute to both environmental conservation and food security. Learners will demonstrate an understanding of the connection between environmental stewardship and zero hunger, and identify actions they can take to support sustainable food practices and conservation efforts in their communities.
	Waste Management	Learners will understand the importance of waste management in achieving the goal of zero hunger. Through discussions, activities, and real-life examples, learners will explore how reducing food waste and proper waste disposal practices can support food security. They will learn about the environmental and social impacts of food waste, including its contribution to greenhouse gas emissions and its potential to exacerbate hunger by diverting resources away from those in need. Learners will also discover how composting, recycling, and reducing single-use packaging can help minimize food waste and promote sustainable food systems. Learners will demonstrate an understanding of the connection between waste management and zero hunger, and identify actions they can take to support food security and waste reduction efforts in their

		communities.
	Energy Conservation	Learners will understand the importance of energy conservation in achieving the goal of zero hunger. Through discussions, activities, and real-life examples, learners will explore how energy is used in food production, distribution, and preparation, and how reducing energy consumption can support food security. They will learn about the environmental and economic benefits of energy conservation, including its potential to lower production costs and make nutritious food more affordable and accessible. Learners will also discover how simple actions, such as using energy-efficient appliances and reducing food waste, can contribute to both energy conservation and food security. Learners will demonstrate an understanding of the connection between energy conservation and zero hunger, and identify actions they can take to support food security and reduce energy consumption in their communities
	Biodiversity and Ecosystems	Learners will understand the critical role of biodiversity and healthy ecosystems in achieving the goal of zero hunger. Through discussions, activities, and exploration, learners will explore how diverse ecosystems support food production and contribute to food security. They will learn about the importance of pollinators, soil health, and natural habitats in sustaining agricultural systems and ensuring access to nutritious food. Learners will also discover the threats to biodiversity, such as habitat loss and climate change, and how these threats can impact food security. Learners will demonstrate an understanding of the connection between biodiversity, ecosystems, and zero hunger, and identify actions they can take to support biodiversity conservation and promote food security in their communities
	Climate Change and Adaptation	Learners will comprehend the relationship between creating zero hunger and understanding climate change and adaptation. Through discussions, activities, and real-life examples, learners will explore how climate change can impact food production and access to nutritious food, and how communities can adapt to these changes to ensure food security. They will learn about the effects of extreme weather events, shifting growing seasons, and changing precipitation

		patterns on agriculture, and how these challenges can be addressed through adaptation strategies such as drought-resistant crops and sustainable water management practices. Learners will also discover how reducing greenhouse gas emissions and supporting climate resilience can support food security and contribute to achieving zero hunger. Learners will demonstrate an understanding of the connection between climate change, adaptation, and zero hunger, and identify actions they can take to support food security and climate resilience in their communities
	Food and Agriculture	Learners will understand the importance of food and agriculture in achieving the goal of zero hunger. Through discussions, activities, and hands-on experiences, learners will explore how food is produced, distributed, and consumed, and how sustainable agricultural practices can support food security. They will learn about different types of farming methods, the role of farmers and agricultural workers, and the factors that influence food production and access to nutritious food. Learners will also discover the importance of supporting local food systems, reducing food waste, and promoting equitable access to food for all people. Learners will demonstrate an understanding of the connection between food, agriculture, and zero hunger, and identify actions they can take to support sustainable food practices and food security in their communities
	Water Conservation	Learners will understand the critical relationship between creating zero hunger and water conservation. Through discussions, activities, and hands-on experiences, learners will explore how water is essential for food production and access to nutritious food, and how conserving water resources can support food security. They will learn about the water cycle, the importance of freshwater ecosystems, and the ways in which water is used in agriculture. Learners will also discover the impact of water scarcity and pollution on food production, and how simple actions such as reducing water waste and practicing sustainable irrigation techniques can help ensure access to nutritious food for all people. Learners will demonstrate an understanding of the connection between water conservation, food security, and zero hunger,

		and identify actions they can take to support water conservation efforts in their communities
	Sustainable Transport and Urban Planning	Learners will understand the crucial link between creating zero hunger and sustainable transport and urban planning. Through discussions, activities, and real-life examples, learners will explore how transportation systems and urban planning affect access to nutritious food and food security. They will learn about the challenges of food distribution in urban areas, including transportation emissions and limited access to fresh produce in food deserts. Learners will also discover how sustainable transport options such as public transit, walking, and biking can improve food access and reduce food miles, supporting both food security and environmental sustainability. Learners will demonstrate an understanding of the connection between sustainable transport, urban planning, and zero hunger, and identify actions they can take to support sustainable food systems and transportation in their communities.
	Citizenship / Global Responsibility and Sustainable Development	Learners will comprehend the importance of global responsibility and citizenship in achieving the goal of zero hunger worldwide. Through discussions, activities, and real-world examples, learners will explore how individuals and communities around the world can contribute to ending hunger and promoting food security. They will learn about the unequal distribution of resources and how poverty, conflict, and environmental degradation affect food access in different regions. Learners will also discover the interconnectedness of global food systems and the role of international cooperation in addressing hunger and promoting sustainable development. Learners will demonstrate an understanding of the connection between global responsibility, citizenship, and zero hunger, and identify actions they can take to advocate for food security and support initiatives that address hunger and poverty on a global scale
	Outdoor Learning and Connection to Nature	Learners will understand the vital relationship between creating zero hunger and interconnectedness to nature through outdoor learning experiences. Through hands-on activities, exploration, and discussions, learners will explore how nature provides resources for food production and fosters an appreciation

		for the environment. They will learn about the importance of biodiversity, soil health, and pollinators in supporting food security. Learners will also discover how spending time outdoors can inspire them to become stewards of the environment and advocates for sustainable food systems in their communities. Learners will demonstrate an understanding of the connection between outdoor learning, nature, and zero hunger, and identify actions they can take to support food security and conservation efforts in their communities.



Key Stage 3 - Middle School - Level 3- SGD1 - No Poverty

Sustainability Development Goal	Sustainability Learning	Learning Objective
Zero Hunger	Understanding Sustainability	Learners will develop a comprehensive understanding of the intersection between creating zero hunger and understanding sustainability in food systems. Through research, discussions, and practical activities, learners will explore the principles of sustainability as they relate to food production, distribution, and consumption. They will examine the environmental, social, and economic dimensions of sustainable food systems and their role in promoting food security and reducing hunger. Learners will also investigate the concept of sustainable development and its relevance to addressing global challenges such as hunger, poverty, and

		climate change. Learners will propose strategies to promote sustainability in food systems and advocate for policies and practices that support equitable access to nutritious food while minimizing environmental impacts, demonstrating an understanding of the interconnectedness between sustainability, zero hunger, and sustainable development goals.
	Environmental awareness	Learners will develop a comprehensive understanding of the relationship between creating zero hunger and fostering environmental awareness in food systems. Through research, discussions, and experiential learning, learners will explore how food production, distribution, and consumption impact the environment and contribute to global hunger. They will examine the environmental consequences of agricultural practices, including deforestation, pollution, and habitat destruction, and their implications for food security and ecosystem health. Learners will also investigate the interconnectedness between environmental sustainability, climate change, and food security, and the importance of adopting sustainable food systems to mitigate environmental degradation and promote resilience. Learners will propose strategies to raise awareness about the environmental impacts of food systems and advocate for policies and practices that support sustainable agriculture and food security, demonstrating an understanding of the interconnectedness between environmental awareness, zero hunger, and sustainable development goals
	Environmental Stewardship	Learners will grasp the essential connection between creating zero hunger and practicing environmental stewardship in food systems. Through research, discussions, and practical activities, learners will explore how sustainable food production practices and conservation efforts contribute to food security and environmental sustainability. They will examine the principles of environmental stewardship, including soil conservation, water management, and habitat restoration, and their potential to enhance agricultural resilience and biodiversity. Learners will also investigate the social and economic benefits of environmental stewardship in food

		systems, including improved livelihoods for farmers and healthier ecosystems. Learners will propose strategies to promote environmental stewardship in food production and consumption and advocate for policies and practices that support sustainable food systems and environmental conservation, demonstrating an understanding of the interconnectedness between environmental stewardship, zero hunger, and sustainable development goals
	Waste Management	Learners will comprehend the significant relationship between creating zero hunger and implementing effective waste management practices in food systems. Through research, discussions, and practical activities, learners will explore how food waste contributes to global hunger and environmental degradation. They will examine the principles of waste reduction, reuse, and recycling in food production, distribution, and consumption, and their potential to enhance food security while minimizing environmental impacts. Learners will also investigate innovative solutions to address food waste throughout the food supply chain, including composting, anaerobic digestion, and surplus food redistribution. Learners will propose strategies to promote waste reduction and recycling in food systems and advocate for policies and practices that support sustainable food production and waste management, demonstrating an understanding of the interconnectedness between waste management, zero hunger, and sustainable development goal
	Energy Conservation	Learners will comprehend the crucial relationship between creating zero hunger and promoting energy conservation in food systems. Through research, discussions, and practical activities, learners will explore how energy is utilized in various stages of food production, distribution, and consumption, and the associated environmental impacts. They will examine the principles of energy-efficient practices in agriculture, such as optimizing irrigation systems, reducing post-harvest losses, and adopting renewable energy technologies, and their potential to enhance food security while minimizing greenhouse gas emissions. Learners will also

		investigate the social and economic benefits of energy conservation in food systems, including lower production costs and improved access to nutritious food for vulnerable populations. Learners will propose strategies to promote energy conservation in food systems and advocate for policies and practices that support sustainable food production and energy efficiency, demonstrating an understanding of the interconnectedness between energy conservation, zero hunger, and sustainable development goals.
	Biodiversity and Ecosystems	Learners will understand the critical relationship between creating zero hunger and conserving biodiversity and ecosystems. Through research, discussions, and hands-on activities, learners will explore how biodiversity supports food security by providing essential ecosystem services such as pollination, soil fertility, and pest control. They will examine the impact of agricultural practices, deforestation, and habitat loss on biodiversity and its implications for food production and access to nutritious food. Learners will analyze the principles of ecosystem-based approaches to agriculture, including agroecology and conservation agriculture, and their potential to enhance food security while preserving biodiversity. Learners will propose strategies to promote biodiversity conservation in agricultural landscapes and advocate for policies and practices that support sustainable food systems and ecosystem health, demonstrating an understanding of the interconnectedness between biodiversity, ecosystems, zero hunger, and sustainable development goals
	Climate Change and Adaptation	Learners will comprehend the intricate relationship between creating zero hunger and addressing climate change through adaptation strategies. Through research, discussions, and case studies, learners will explore how climate change impacts food security and agricultural systems worldwide. They will examine the effects of changing weather patterns, extreme weather events, and shifts in temperature and precipitation on crop yields, food production, and access to nutritious food. Learners will analyze adaptation measures such as resilient crop varieties, water

		management techniques, and agroforestry practices, and their potential to mitigate the impacts of climate change on food security. Learners will propose adaptation strategies to promote food security in a changing climate and advocate for policies and practices that support climate resilience and sustainable food systems, demonstrating an understanding of the interconnectedness between climate change, zero hunger, and sustainable development goals
	Food and Agriculture	Learners will understand the intricate relationship between creating zero hunger and sustainable food and agriculture systems. Through research, discussions, and hands-on activities, learners will explore the various factors influencing food production, distribution, and access to nutritious food. They will examine the principles of sustainable agriculture, including agroecology, organic farming, and permaculture, and their potential to enhance food security while minimizing environmental impacts. Learners will also investigate the challenges and opportunities associated with global food systems, such as food waste, inequality, and climate change, and analyze the role of technology, policy, and community engagement in addressing these issues. Learners will propose strategies to promote sustainable food and agriculture practices in their communities and advocate for policies that support food security and environmental sustainability, demonstrating an understanding of the interconnectedness between food systems, zero hunger, and sustainable development goals.
	Water Conservation	Learners will comprehend the critical relationship between creating zero hunger and practicing water conservation. Through research, discussions, and practical activities, learners will explore the significant role of water in agricultural production and food security. They will investigate the impact of water scarcity and pollution on crop yields and access to nutritious food, particularly in regions prone to drought and water stress. Learners will analyze the principles of water conservation, including efficient irrigation techniques, rainwater harvesting, and soil moisture management, and their potential to enhance agricultural sustainability and resilience to

		climate change. Learners will propose strategies to promote water conservation in agriculture and advocate for policies and practices that support food security and environmental sustainability, demonstrating an understanding of the interconnectedness between water conservation, food security, and sustainable development goals.
	Sustainable Transport and Urban Planning	Learners will grasp the intricate connection between creating zero hunger and implementing sustainable transport and urban planning strategies. Through research, discussions, and case studies, learners will examine the role of transportation systems and urban design in ensuring access to nutritious food and promoting food security. They will analyze how transportation infrastructure, such as public transit and active transportation networks, influences food access and distribution in urban and rural areas. Learners will also explore how urban planning practices, such as mixed land-use development and community gardens, can support local food production and reduce food deserts. Learners will propose sustainable transport and urban planning solutions to address food insecurity and promote equitable access to nutritious food in their communities, demonstrating an understanding of the interdependence between sustainable development goals.
	Citizenship / Global Responsibility and Sustainable Development	Learners will comprehend the imperative connection between creating zero hunger and exercising global citizenship and responsibility. Through critical analysis, discussions, and case studies, learners will explore the complex socio-economic and political factors contributing to food insecurity and hunger globally. They will investigate the role of international cooperation, policy advocacy, and sustainable development initiatives in addressing hunger and promoting food security. Learners will also examine their responsibilities as global citizens to advocate for equitable access to nutritious food, support sustainable food systems, and address root causes of hunger such as poverty, inequality, and environmental degradation. Learners will articulate a comprehensive understanding of the link between citizenship, global responsibility, and

		zero hunger, and propose actionable strategies to contribute to ending hunger and promoting food security on a global scale.
	Outdoor Learning and Connection to Nature	Learners will explore the intricate relationship between creating zero hunger and understanding the interconnectedness to nature through outdoor learning experiences. Through research, discussions, and hands-on activities, learners will investigate how nature provides essential resources for food production and the critical role of biodiversity in supporting food security. They will analyze the impact of human activities on ecosystems and food systems, as well as explore innovative solutions for promoting sustainable agriculture and reducing food waste. Learners will also engage in outdoor learning experiences to deepen their connection to nature and develop an appreciation for the environment's role in ensuring access to nutritious food for all. Learners will demonstrate a nuanced understanding of the interconnectedness between outdoor learning, nature, and zero hunger, and propose actionable strategies to support food security and environmental sustainability in their communities