

Muinín Catalyst STEAM Education for Sustainable Development and Futures Literacy

SGD2 Future of Food



Programme Phase: Research and Development

Micro-Module 2: Food Leadership for the 21st Century

Subject Areas: CSPE, Climate Action and Sustainability, English, SPHE



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MM2: Ethical Leadership for the 21st Century



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Micro-module Summary: Future of Food Leadership for the 21st Century

This micro-module consists of 7 lessons that introduce values-led education through the endorsed Earth Charter, promoting sustainability leadership. The Earth Charter fosters eco-literacy and a holistic ecological mindset, enabling people to act systematically for the UN SDGs and cultivate a lasting culture of peace. Recognised as a peace document, the Earth Charter provides an accessible ethical framework, guiding individuals to live for their highest aims and act for well-being in all aspects of life. It serves as a reminder of the universal principles that urge care, thought, and action for a better world, rather than being a toolkit.

Vocabulary:

- conscience into action
- interdependence and shared responsibility
- the well-being of the whole human family, the greater community of life, and future generations
- vision of hope and a call to action

In this lesson, the learner will:

- develop an awareness of the Earth Charter principles
- begin to understand how values and vision inform leadership
- begin to understand how the Earth Charter principles inform 21st century leadership
- become aware of the importance of values into action
- start to see and understand integrated approaches - the relationship between ecological and social literacy

Materials

- 7 Lesson plans
- Worksheets
- Supporting Resources
- [Earth Charter website](#)
- Internet Access required





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Lesson 1: What is the Earth Charter?

The Earth Charter is a global movement advocating for a just, sustainable and peaceful world. This lesson introduces learners to the Earth Charter and its principles. Learners will develop an awareness of the Earth Charter principles and will develop their skills in group discussion and ideation as well as reflective practice in researching.

Resources: Worksheets: What is the Earth Charter?, Know/Want/Learned Chart (KWL), Turning Conscience into Action for a Thriving Earth, Interesting Insights of the Earth Charter. Support Sheet: Teacher's Notes.

Lesson 2: What Makes an Effective Leader?

Leadership for the 21st Century is changing and the skills and qualities required are varied and interconnected. For humanity and all life to thrive leaders need communication, motivation, vision, modelling, demonstrating empathy, confidence, persistence, and integrity. This lesson explores what traits and values make an effective leader.

Resources: Worksheet: Inspirational Leader. Support Sheet: Teacher's Notes.

Lesson 3: The First Earth Charter Pillar: Respect and Care for the Community of Life and Leadership

Respect and empathy are core traits of effective leadership which are transferable skills and foster skills in responsible decision making, perspective taking and inclusive approaches to work and life. This lesson will analyse the connection between respect and care, gratitude and compassion within leadership in relation to the community of life - human and all life on Earth.

Resources: Worksheets: Earth Charter Pillar 1 - Respect and Care for Self, Others and All Life, Earth Charter in Action, Venn Diagram, Case Study Template. Support Sheet: Teacher's Notes.

Lesson 4: The Second Earth Charter Pillar: Ecological Integrity and Leadership

Shared responsibility for the protection of all living things on Earth supports and promotes wellbeing and prosperity for all. Leadership vision enables concentration on the most important aspects of self, business and the wider community in values and action. This lesson introduces the concept of ecological integrity and leadership vision.

Resources: Worksheets: Define It, Guardianship. Support Sheets: Teacher's Notes, Word/Definition Card Packs.

Lesson 5: The Third Earth Charter Pillar: Social and Economic Justice and Leadership

The achievement of wellbeing for self as well as others has been claimed to be the driving force

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behind the pursuit of justice (Suarez-Balcazar et al., 2022). Learners are introduced to the concept of social and economic justice and provided with an opportunity to analyse existing efforts in leadership to balance equality and equity in these contexts.

Resources: Worksheets: Integrated Approach to Justice, Inequality Video. Support Sheet: Teacher's Notes.

Lesson 6: The Fourth Earth Charter Pillar: Democracy, Non-Violence and Peace and Leadership Styles

Leadership styles can vary greatly and directly impact how people thrive. Learner will explore the fourth pillar of the Earth Charter in relation to effective leadership, leadership styles, and how democracy, non-violence and peace might unite and empower people and communities to affect change.

Resources; Worksheets: What's Your Style?, Leadership Styles, SWOT. Support Sheets: Teacher's Notes, Optional Project Task - The Earth Charter and 21st Century Leadership.

Lesson 7: Optional Project Task - 21st Century Leadership and The Earth Charter

The Earth Charter provides four pillars for a just, sustainable and peaceful society for the 21st Century. Modern leadership requires transformation. This lesson brings together learnings and understanding of how the Earth Charter values and vision informs leadership and develops and applies learned skills in communication, collaboration, critical thinking and creativity.

Resources: Worksheet: Optional Project Task - The Earth Charter and 21st Century Leadership.

External expertise: Dr Cathy Fitzgerald and Bianca Peel SDG 12

Adaptations: Dr Anita McKeown, Rebecca White and Dr Jessica Garska

Using the Resources:

If you wish to use these resources, we can offer an induction and online support throughout the module to help you plan integration into your projects and timetable. To register for this option, please contact us e:hello@futurefocus21c.com For more information on the resources please visit www.muinincatalyst.com

Setting up an online learning environment for the lessons on this module:

Our lessons integrate the use of virtual learning environments. To ensure seamless use of our lessons, a module should be setup on your school's virtual learning environment such as Teams, Google Classroom, etc. Learners are encouraged to upload documents to share with their peers. If your virtual learning environment does not support document sharing, we recommend OneDrive / Google Drive.

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You can also use Google Sites or Microsoft Sway to encourage learners to present their work over the year - this can easily be set up to reflect the aims of TY and provide a showcase for their work as well as assessment tool.

Setting up a Canva Education account.

If your virtual learning environment does not support document sharing, we recommend OneDrive or Google Drive. As our lessons integrate design, our lessons also refer to Canva. Educators and schools are able to open a free [Canva for Education](#) account by registering. Canva for Education provides primary and secondary school teachers and students with premium features and templates. You can then also set up lessons and invite your learners to the class.

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