

UNIVERSITY OF THE ASSUMPTION | School of Education | Educ 3A

C-EDUC10: Building & Enhancing New Literacies Across the Curriculum

Spring Semester AY 2022-2023



Session 9

Ecological Literacy

Credits to the Owner of the Image: <https://ischoolconnect.com/blog/an-overview-of-the-ecology-study/>



NATION



PH most disaster-prone country in the world—study

By: [Cristina Eloisa Baclig](#) - Content Researcher Writer / @inquirerdotnet INQUIRER.net / 04:45 PM October 06, 2022



INQUIRER FILE PHOTO

How can Philippine education mitigate the adverse effects of the natural risks?

TOP 10 COUNTRIES WITH HIGHEST DISASTER RISK 2022

RANK	COUNTRY	RISK
1	Philippines	46.82
2	India	42.31
3	Indonesia	41.46
4	Colombia	38.37
5	Mexico	37.55
6	Myanmar	35.49
7	Mozambique	34.37
8	China	28.70
9	Bangladesh	27.90
10	Pakistan	26.75

INQ | SOURCES: DEPARTMENT OF LABOR AND EMPLOYMENT, SENATE

Source: <https://newsinfo.inquirer.net/1676227/ph-most-disaster-prone-country-in-the-world-study>



Educating the Filipinos about the disaster-prone Philippines

Issues that worsen the risks



- ❖ Denuded mountains
- ❖ Poor waste management
- ❖ Pollution
- ❖ Faint disaster preparedness
- ❖ Lack of environmental conservation programs
- ❖ Weak discipline

Credits to the Owner of the Image: <https://newsinfo.inquirer.net/650914/disaster-risk-reduction-is-everybodys-business>



Adapting to Industrialization amid Poverty in the Philippines



How can ecological literacy lessen the harmful effects of social dualism?

Credits to the owner of the image: <https://www.ibon.org/tag/national-industrialization/>



TODAY'S SESSION OBJECTIVES



- 1. Explain ecological literacy in developing a sustainable environment through the concept of a "Green School"; and,**
- 2. Articulate how eco-literacy can be integrated into the curriculum and practiced in the school and the community.**



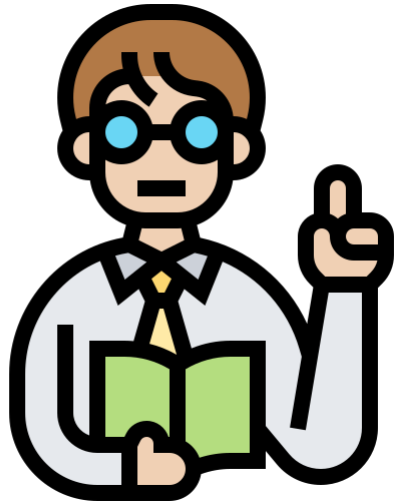


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The Teacher as the Champion of Ecological Literacy

Mission:

Lessons from nature to reform society



Ecological Literacy Toward Sustainability

Sustainability is the outcome of ecological literacy.



Credits to the Owner of the Image: <http://www.philchm.ph/terrestrial/>



Ecological Literacy Toward Sustainability

Curricular Integration Principles:

- ❖ Design Education for Eco-Literacy
- ❖ Pro-life Sustainable Goals
- ❖ Ready to take Actions
- ❖ Nature is Alive.



Credits to the Owner of the Image: <http://www.philchm.ph/terrestrial/>



Ecological Literacy Toward Sustainability

Curricular Integration Principles:

❖ Design Education for Eco-Literacy

Learning activities involving
ecological responsiveness

❖ Pro-life Sustainable Goals

Emphasizing the value of
life over non-living concerns



Credits to the Owner of the Image: <http://www.philchm.ph/terrestrial/>



Ecological Literacy Toward Sustainability

Curricular Integration Principles:

- ❖ **Ready to take Actions**
Involving learners in ecological promotion and conservation
- ❖ **Nature is Alive.**
Respecting and preserving the natural processes



Credits to the Owner of the Image: <http://www.philchm.ph/terrestrial/>



The “Green School”

Project S.I.G.A.: “School In A Garden”



Credits to the Owner of the Image:

<https://varlyproject.blog/brigada-eskwela-a-model-of-community-participation-in-the-philippines/>



The “Green School”

Curricular Integration Principles:

- ❖ A Green Community
- ❖ Learners for Ecological Sustainability
- ❖ Socio-emotional Learning
- ❖ Food Production in the School



Credits to the Owner of the Image:

<https://varlyproject.blog/brigada-eskwela-a-model-of-community-participation-in-the-philippines/>



The “Green School”

❖ A Green Community

School stakeholders are one in promoting ecological sustainability

❖ Learners for Ecological Sustainability

Entrusting students to spearhead community greening tasks

Curricular Integration Principles:



Credits to the Owner of the Image:

<https://varlyproject.blog/brigada-eskwela-a-model-of-community-participation-in-the-philippines/>



The “Green School”

Curricular Integration Principles:

❖ Socio-emotional Learning

Green environment stimulates positive social moods

❖ Food Production in the School

Teaching students the value of vegetable gardening



Credits to the Owner of the Image:

<https://varlyproject.blog/brigada-eskwela-a-model-of-community-participation-in-the-philippines/>



Ecological Resiliency

**Our ability to refresh
the biosphere amid
harmful forces brought
about by economic
advancement**



Credits to the Owner of the Image:

<https://www.theguardian.com/environment/2022/dec/06/the-biodiversity-crisis-in-numbers-a-visual-guide-aoe>



Ecological Resiliency

Curricular Integration Principles:

- ❖ Nature knows best.
- ❖ All forms of life are important.
- ❖ Everything is connected to everything else.
- ❖ Everything changes.
- ❖ Everything must go somewhere.
- ❖ Ours is a finite earth.
- ❖ Nature is beautiful, and we are stewards of God's creation.



Credits to the Owner of the Image:

<https://www.theguardian.com/environment/2022/dec/06/the-biodiversity-crisis-in-numbers-a-visual-guide-aoe>



Ecological Resiliency

❖ Nature knows best.

Respect the law of nature to enjoy its optimum benefits

Curricular Integration Principles:



Credits to the Owner of the Image:
<https://www.theguardian.com/environment/2022/dec/06/the-biodiversity-crisis-in-numbers-a-visual-guide-aoe>



Ecological Resiliency

- ❖ All forms of life are important.

**Ecological balance:
all living things have
the right to natural
course of life**

Curricular Integration Principles:



Credits to the Owner of the Image:
<https://www.theguardian.com/environment/2022/dec/06/the-biodiversity-crisis-in-numbers-a-visual-guide-aoe>



Ecological Resiliency

- ❖ Everything is connected to everything else.

Any interruption to an ecosystem's balance can cause its collapse.

Curricular Integration Principles:



Credits to the Owner of the Image:
<https://www.theguardian.com/environment/2022/dec/06/the-biodiversity-crisis-in-numbers-a-visual-guide-aoe>



Ecological Resiliency

❖ Everything changes.

Technological advancement and economic growth should not be the causes of nature's destruction.

Curricular Integration Principles:



Credits to the Owner of the Image:
<https://www.theguardian.com/environment/2022/dec/06/the-biodiversity-crisis-in-numbers-a-visual-guide-aoe>



Ecological Resiliency

Curricular Integration Principles:

- ❖ **Everything must go somewhere.**

**Proper segregation
and disposal of
waste and garbage**



Credits to the Owner of the Image:
<https://www.theguardian.com/environment/2022/dec/06/the-biodiversity-crisis-in-numbers-a-visual-guide-aoe>



Ecological Resiliency

❖ Ours is a finite earth.

**With limited resources,
learn to recycle.**

Curricular Integration Principles:



Credits to the Owner of the Image:
<https://www.theguardian.com/environment/2022/dec/06/the-biodiversity-crisis-in-numbers-a-visual-guide-aoe>



Ecological Resiliency

- ❖ Nature is beautiful, and we are stewards of God's creation.

Let our rational capacity look after nature.

Curricular Integration Principles:



Credits to the Owner of the Image:
<https://www.theguardian.com/environment/2022/dec/06/the-biodiversity-crisis-in-numbers-a-visual-guide-aoe>



Students' hands-on exposure, reflection, and conservation of mother nature



Credits to the Owner of the Image:
<https://www.scuba.com/blog/explore-the-blue/common-marine-life-philippines/>



Curriculum for Ecological Education

ECO-PEDAGOGIES

- ❖ Place-based Learning
- ❖ Project-based Learning
- ❖ Socratic Inquiry Learning
- ❖ Experiential Learning
- ❖ Interdisciplinary Learning



Credits to the Owner of the Image:
<https://www.scuba.com/blog/explore-the-blue/common-marine-life-philippines/>



➤ Place-based Learning

**Experimenting in
the immediate
environment**



Credits to the Owner of the Image:
<https://www.scuba.com/blog/explore-the-blue/common-marine-life-philippines/>



➤ Project-based Learning

**Problem-solving
through innovation**



Credits to the Owner of the Image:
<https://www.scuba.com/blog/explore-the-blue/common-marine-life-philippines/>



➤ Socratic Inquiry Learning

**Questioning and
critical analysis of
ecological issues**



Credits to the Owner of the Image:
<https://www.scuba.com/blog/explore-the-blue/common-marine-life-philippines/>



➤ Experiential Learning

Immersing in real-world problems to establish a mission



Credits to the Owner of the Image:
<https://www.scuba.com/blog/explore-the-blue/common-marine-life-philippines/>



➤ Interdisciplinary Learning

**Integrating
ecological study
into various courses**



Credits to the Owner of the Image:
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CONCLUSION



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Ecological literacy is knowing how ecosystems interact to sustain natural systems.

Schools promote eco-literacy by teaching environmental challenges and fostering creative solutions.



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