Role of Education for Achieving SDGs: Rethinking Pedagogy

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What do ESD and Digital Education agendas have in common?

Content vs Pedagogy

Three Metaphors of Learning

The 8 Affordances Model
Our time challenges the idea of what constitutes knowledge

In a Digital Age...

- We need to rethink the purpose of education, as technologies seem to give immediate access to everything we need to know
- Rapid knowledge obsolescence

In the Anthropocene...

- We need to rethink the current model of progress
- “Wicked problems” – we do not have answers to the challenges we are facing

Calls for going beyond individual knowledge acquisition

- Fostering higher-order cognitive skills and social-emotional skills
- Fostering collaborative learning in search for innovative solutions
- Calls for lifelong learning
TEXTBOOKS FOR SUSTAINABLE DEVELOPMENT
A GUIDE TO EMBEDDING

rethinking schooling
FOR THE 21ST CENTURY

The State of Education for Peace, Sustainable Development and Global Citizenship in Asia
Benefits of Embedding

- **Integrating ESD at the core**
  - Not inserting new topics in the already overburdened curriculum
  - Not an add on—ESD as an integral element of what teachers must teach
  - Not diluting the subject content—making learning relevant

- **Promoting double-purpose learning**
  - Re-purposing core subjects towards sustainable development and improving learning outcomes
  - Fostering global citizenship for sustainability
Three Metaphors of Learning

Learning as acquisition

Learning as knowledge creation

Learning as participation


Global challenges

Profound solutions/Addressing root causes

Prescriptive/Transmissive

Transformative

Participative

Educational process

Superficial solutions/Quick fixes
The 8 Affordances Model

- **Ubiquitous Learning**
- **Active Knowledge Making**
- **Multimodal meaning**
- **Recursive Feedback**
- **Collaborative Intelligence**
- **Differential Learning**
- **Meta-cognition**
- **Accessibility**

**Anywhere, anytime**

- Designing meanings
- Text, image, sound, data
- Formative Assessment
- Social knowledge and shared learning activities
- According to one’s interest and needs
- Thinking about thinking
- Equitable
Transforming Education for Humanity

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