



21st ANNUAL CONFERENCE  
28-30 MARCH 2017  
 GLOBAL GOALS:  
LOCAL ACTION



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# Innovating Locally, Transforming Globally: Education for Sustainable Development at Abertay.

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**Carbon**Credentials



# Attributes – What, Why and How



These statements detail the qualities and skills that the provider believes graduates should develop through the course of their study and engagement in student life. Graduate attributes are defined differently from one HE provider to another but generally include components which relate to the mastery of subject-specific knowledge, study skills, digital literacies and other 21st century skills (HEA:

<https://www.heacademy.ac.uk/enhancement/definitions/graduate-attributes-framework>,

Tuesday, 21 March 2017

Abertay Attributes are conceptualised within four dimensions: Intellectual, Individual, Professional and Active Citizen, recognising that there is significant overlap in the attributes associated with each of these dimensions. The conceptual framework can be presented diagrammatically as follow:



# Geddes: By Leaves We Live.

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Geddes states:

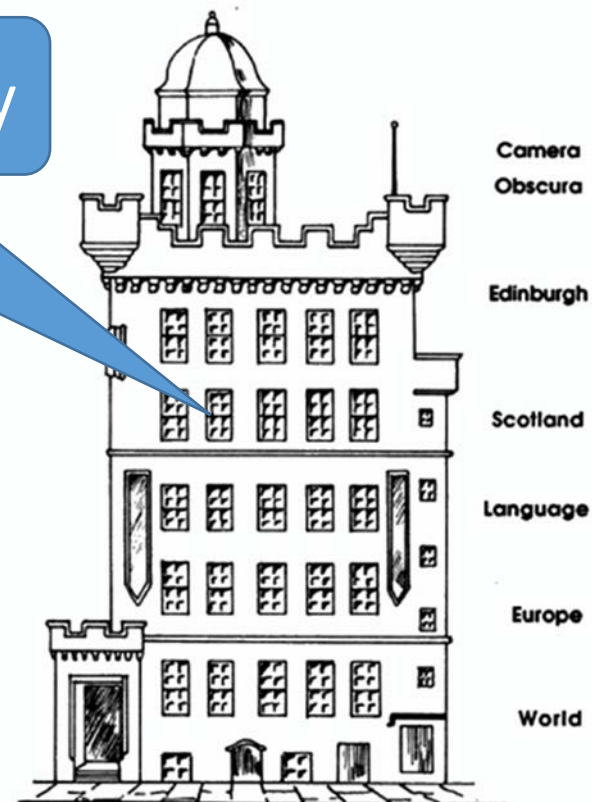
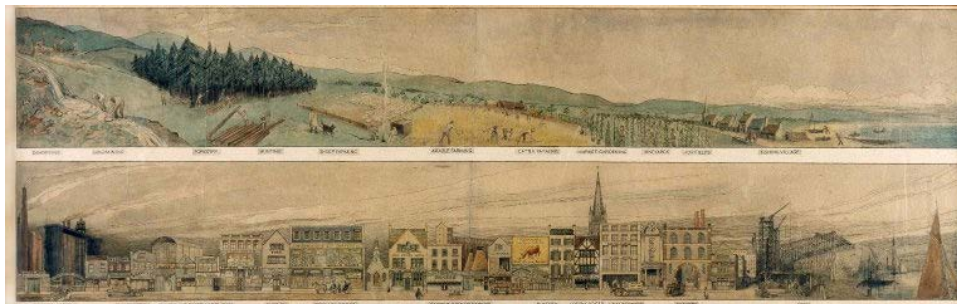
- *'How many people think twice about a leaf? Yet the leaf is the chief product and phenomenon of Life: this is a green world, with animals comparatively few and small, and all dependent upon the leaves. By leaves we live. Some people have strange ideas that they live by money. They think energy is generated by the circulation of coins. But the world is mainly a vast leafcolony, growing on and forming a leafy soil, not a mere mineral mass: and we live not by the jingling of our coins, but by the fullness of our harvests.'*

# Geddes: Learning by Doing



Patrick Geddes was a catalyst for modern citizenship. He believed that people learn most effectively. He developed an educational philosophy which emphasised the combination of **'hand, heart, and head'**, in that order of priority.

Think Globally, Act Locally



DIAGRAMMATIC ELEVATION OF THE OUTLOOK TOWER, EDINBURGH.

FROM PATRICK GEDDES *Cities in Evolution*  
(LONDON: WILLIAMS AND NORGATE 1915).

# Geddes: Think Globally, Act Locally



It refers to the argument that positive action around global environmental problems needs to consider ecological, economic, and cultural differences of our local surroundings.

Rene Dubos, an advisor to the United Nations Conference on the Human environment in 1972, suggested that ecological consciousness should begin at home.

...issues involving the environment must be dealt with within their "unique physical, climatic, and cultural context".

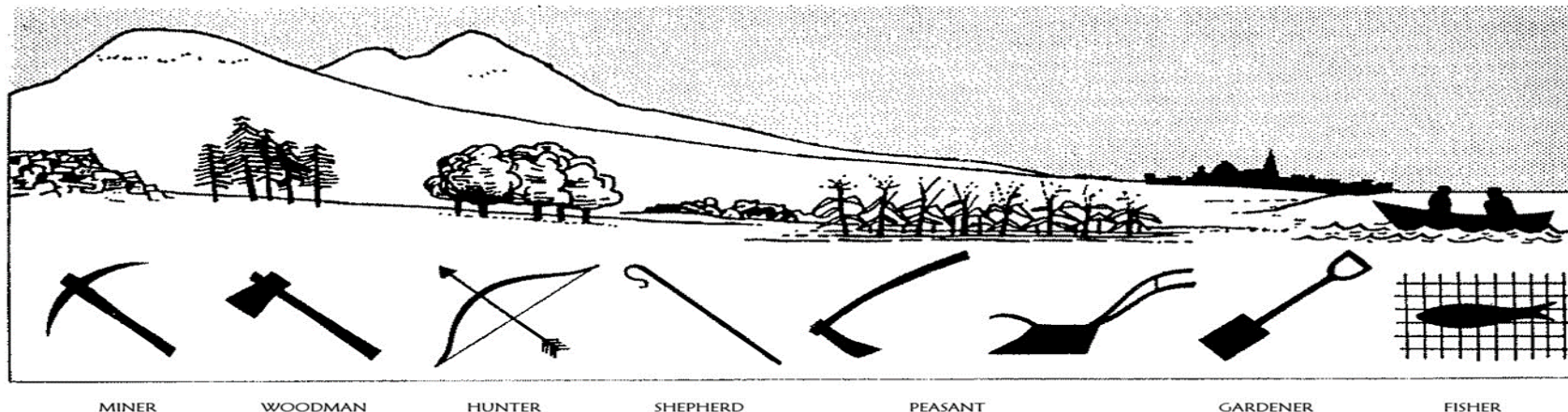




# Thinking Globally, Acting Locally



‘Global Goals: Local Action,’ recognises the critical role universities and colleges across the planet have to play in finding and implementing solutions to climate change and realising the [SDG's](#) on a local level within their communities and beyond. Education must have a transformational role in realising every one of the Global Goals.



# Inculcating Sustainability in the Wider Abertay Community

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Geddes' ideas shows that gardens were an important feature of his social experiments and town planning initiatives. He believed that gardens and green spaces were essential for:

- Encouraging people to be active and to be outdoors

- Producing local food

- Brightening up and improving the local environment

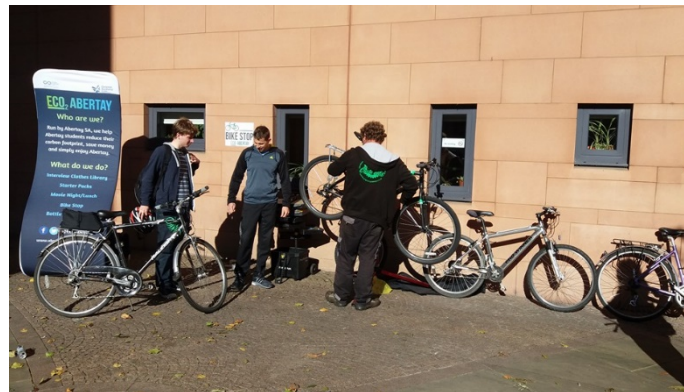
- Community cohesion

- Learning about bio-diversity, life forms, and the changing seasons

- Taking responsibility and stewardship for the local environment

The Abertay TLE Plan

## Encouraging people to be active and to be outdoors





# ECO<sub>2</sub> ABERTAY



## ECO<sub>2</sub> ABERTAY *movie night*

ADS



Producing local food  
Brightening up and improving  
the local environment  
Community cohesion  
Learning about bio-diversity,  
life forms, and the changing  
seasons



# ECO<sub>2</sub> ABERTAY



# ECO<sub>2</sub> ABERTAY

Reduce, reuse, recycle!





# Question and Answer Session

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Inculcating Sustainability in the wider Community  
Electives  
TLE Seminars  
Civic Engagement

