

GeoSciences Outreach: Community Engagement through Self Directed Learning

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Background

- Community Engagement in the Curriculum
- Benefits to University, students and community
- Examples of previous and current projects
- Moving beyond the GeoSciences
- Future plans

GeoScience Outreach: Key Features

- Optional courses (10 point or 20 point for final year Bachelors and Masters students)
- Develop and deliver a project and product for an external (community) client to an agreed specification
- Use para-professional knowledge and understanding to communicate and work with a wider audience
- Engage with an audience and community that may lack sufficient subject knowledge and understanding
- Learn from client the additional and complementary skills required (e.g. school teacher – pedagogy)
- Independent project work supervised by course team and client
- Develop project and time management, communication, skills.

Benefits

University

- 'Town and Gown'
- Foster internal links / collaborations
- Opportunities for staff and research students

Community

- Education and engagement within communities
- Provider of educational resources

Students

- Widening participation
- Skills development
- Employability



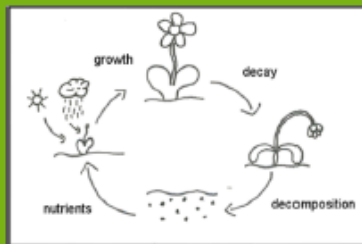
Nothing goes to waste in nature!

a series of lesson plans on organic matter cycling
developed for Harmeny School, Balerno

by Jakob Assmann

Background

The Earth system is full of cycles – a strong contrast to the often linear product pathways in our society. The organic matter cycle is one of them, it is easy to grasp with lots of potential for hands-on science and outdoor learning!



Cycling of organic matter

Audience

Primary school children with complex behavioural and emotional needs, aged 9-11 years.

Context

Teaching Ecology as a science, developing individual and group based learning activities with an emphasis on being outdoors.



Weather Station Project: Remote Sensing

- Aim to set up 10 weather stations across Scotland and Northern England
- Plus Weather Satellite receivers
- Support material and resources for new National 5 qualifications
- Cross curricular resources
- Research in Peru – working with local schools to forge links with Scottish schools



Beyond GeoSciences:

- Small scale pilots with other Schools (ECA, Archaeology)
- Larger pilot with Psychology (5 students 2016/17, 10 students 2017/18)
- Collaborative work with SSC2b Medics (assessed using SLICC framework)



2nd March 3:30pm - 4:30pm
9th March 3:30pm - 4:30pm

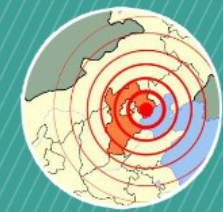
MEDICINE

&

CLIMATE CHANGE

Heard of Malaria? Or the Zika virus?
Ever wondered how natural disasters affect health?
Otzi the Ice Man...who was he and what can he teach us?

A WORKSHOP BY EDINBURGH UNIVERSITY MEDICAL STUDENTS



Architecture student working with Liberton High School:

Aimed at first year high school students undertook an 'Architecture treasure hunt' where they gained:

A greater knowledge of important buildings throughout Edinburgh

The skills to use the urban environment and physical geography of Edinburgh to uncover parts of the city they didn't know about previously

Insight into the architectural thinking that informed some of the city's most iconic forms

How well do you know **Edinburgh**? Recognise these **buildings**? What else do you know?

If you would like to gain a better **appreciation** and **understanding** of **Edinburgh** for you and your pupils

Take them on an **architectural treasure hunt**

By putting **pen** to paper the treasure hunt will make both you and your pupils more **inquisitive** providing you with the materials and guidance to **enjoy** more of **Edinburgh's** richness.



Psychology OERs:

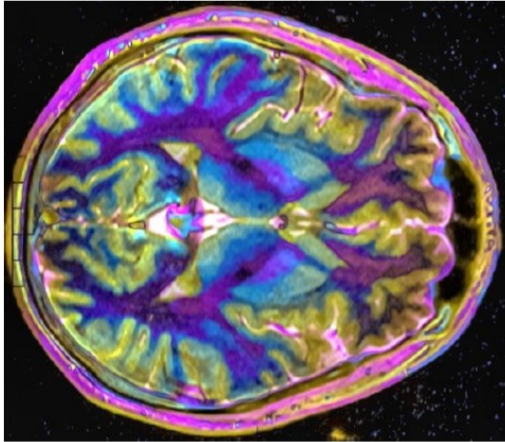


THE UNIVERSITY of EDINBURGH
School of GeoSciences



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School of Philosophy, Psychology
and Language Sciences

Introduction to the Brain



"[Max contrast Brain MRI 131058 robce](#)" by Nevit Dilmen on Wikimedia
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OPEN EDUCATIONAL RESOURCE

Author: Agniete Pocyte & Lorna Camus

Educational Level: SCQF Level 3 - 5

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Prejudice Reduction Strategies



"[Integration](#)" by Thomas J. O'Halloran/ U.S. News & World Report on Wikimedia
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