

Resource List for Creativity in the Sciences

The Centre for Bioscience has composed a select list of resources which is designed to complement the *Creativity in the Sciences* event. By no means is it intended to be a comprehensive listing of creativity and techniques involved in using creative teaching in the sciences, but rather a selection of resources and useful pointers into the wider literature. For additional information, please search for 'creativity' on the Centre's website: www.bioscience.heacademy.ac.uk All items were accessed 22 April 09.

Centre Publications and Support

Event reports

The northwest forum held at University of Manchester had a workshop and presentation dedicated to the topic of Enquiry and Creativity – the report includes a resource list, speaker presentations, and overview of the event www.bioscience.heacademy.ac.uk/events/regforumnw250608.aspx

Web pages

The Centre is developing web pages around the theme of creativity and teaching in the biosciences which includes links to additional resources

www.bioscience.heacademy.ac.uk/events/themes/creativity/index.aspx

SLTC 2007 one of the conference sessions included a series of talks on Creativity; both the submitted papers and presentations are available from

www.bioscience.heacademy.ac.uk/events/sltc07.aspx#parallel3



Bulletin articles

Editorial discussion on the theme of creativity

www.bioscience.heacademy.ac.uk/ftp/newsletters/bulletin24.pdf

as well as related articles in

www.bioscience.heacademy.ac.uk/ftp/newsletters/bulletin23.pdf

Other HEA Subject Centre Resources

Art, Design and Media SC's highlights from the **2007 Creativity: Innovation and Industry Conference** to enhance creativity, innovation, and productivity <http://cii.dmu.ac.uk/archive.html>

Materials Subject Centre listing of creativity resources which includes many from the Engineering Subject Centre www.materials.ac.uk/research/creativity.asp

Palatine Subject Centre's Creativity in Higher Education resource page provides a good introduction to the subject of creativity www.palatine.ac.uk/resources/creativity/ and includes the Imaginative Curriculum Project resources archive www.palatine.ac.uk/resources/imagincurric/

Higher Education Academy Resources

2009 Annual Conference '**The Future of the Student Learning Experience**' will have papers and posters dedicated to 'Innovation' see for more information www.heacademy.ac.uk/events/conference

Additional publications and resources can be found by **searching for 'creativity' on the HEA web site** www.heacademy.ac.uk/

External Resources on Creativity

Publications

Special Issue: Creativity or Conformity in Higher Education? 45:3 (2008) Innovations in Education and Teaching International
www.informaworld.com/smpp/title~content=g794950400~db=jour

Park, S. (2007) **The aesthetic microbe: ProkaryArt and EukaryArt**. Microbiology Today
www.sgm.ac.uk/pubs/micro_today/pdf/080706.pdf

Developing Creativity in Higher Education: An Imaginative Curriculum. Jackson, N., Oliver, M., Shaw, M. and Wisdom, J. (Editors) (2006) Great Britain: Routledge

Assessing Creativity: A Guide for Educators, monograph through The National Research Center on the Gifted and Talented (USA) www.gifted.uconn.edu/nrcgt/trefyoun.html

The Wellcome Trust publication, **Creative Encounters: new conversations in science, education and the arts** www.wellcome.ac.uk/Professional-resources/Education-resources/Creative-encounters/WTD028351.htm

Thinking Differently, an NHS publication with tools to bring about change in approaches, found at www.institute.nhs.uk/building_capability/new_model_for_transforming_the_nhs/thinking_differently_guide.html

Creative Space: **Collaborative approaches to science learning** in schools which could be applied to HE www.capeuk.org/assets/files/Creative%20Space%20Publication.pdf

Websites

David J Adams, University of Leeds, **Creativity in the Biosciences web pages**
www.fbs.leeds.ac.uk/creativity/php/register.php

CLIP (Creative Learning in Practice) CETL www.arts.ac.uk/cetl.htm has a **Conversation series: Tools for Creative Thinking** www.arts.ac.uk/docs/Tools_for_Creative_Thinking_D.pdf

NESTA's Skills for Innovation website highlights the skills and attitudes of young people required for innovation to flourish and unique tool to measure the innovative capacity of young people
www.nesta.org.uk/skills-for-innovation/

Imperial College of Science Technology and Medicine moderates five **forums on creativity** in engineering education www.ijee.dit.ie/forum/forum1home.html

Project Outcomes

The **University of Brighton Centre for Creativity** provides creativity resources and projects
www.brighton.ac.uk/creativity/index.php

Creativity in Engineering: Fostering Creativity within Engineering details a project from the University of London www.innovations.ac.uk/btg/projects/theme7/digests/project45.htm

