

Creative Open Space Learning for Chemists

Chemistry

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THE UNIVERSITY OF
WARWICK

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Student Careers and Skills

Anne Wilson

Gill de Calvo

Stephen Ward

The Ecology of a Whole Campus Approach to Creativity
27 June 2011 University of Warwick

Creative Open Space Learning for Chemists

2008/09/10 Periodic Table and Famous Chemists

2011 Chemistry in the "Real World"

- Theory building - Body language
- Presenting to the Board - Feedback

The future of OSL for Chemists

Periodic Table and Famous Chemists Workshop

149 Warwick first year chemistry students
October 2010. First week of the term.

Design and decorate your “periodic table element” t-shirt
First step in becoming a periodic element!



Time to become your chemical element...



Periodic Table of the Elements

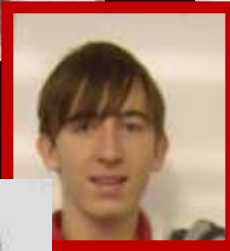
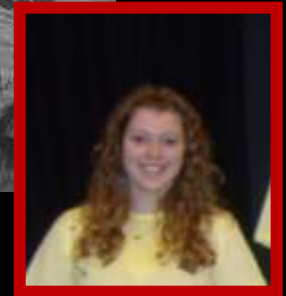
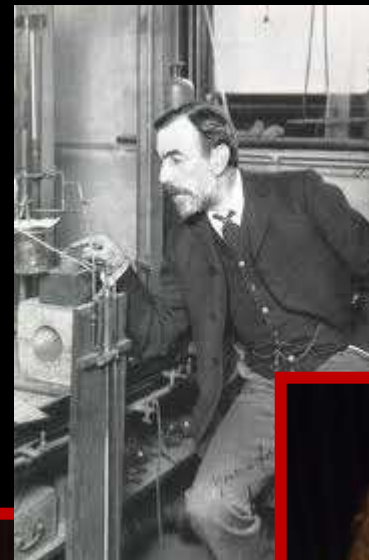
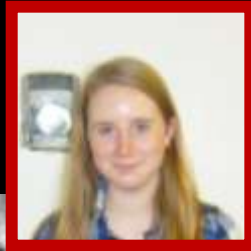
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1	H																	He											B	C	N	O	F	Ne											
2	Li	Be															B	C	N	O	F	Ne																							
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4	K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr																											
5	Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe																											
6	Cs	Ba	*La	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn																											
7	Fr	Ra	**Ac	Rf	Ha	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn																									

* Lanthanide Series
 ** Actinide Series

Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr



Now it is about being a famous chemist...

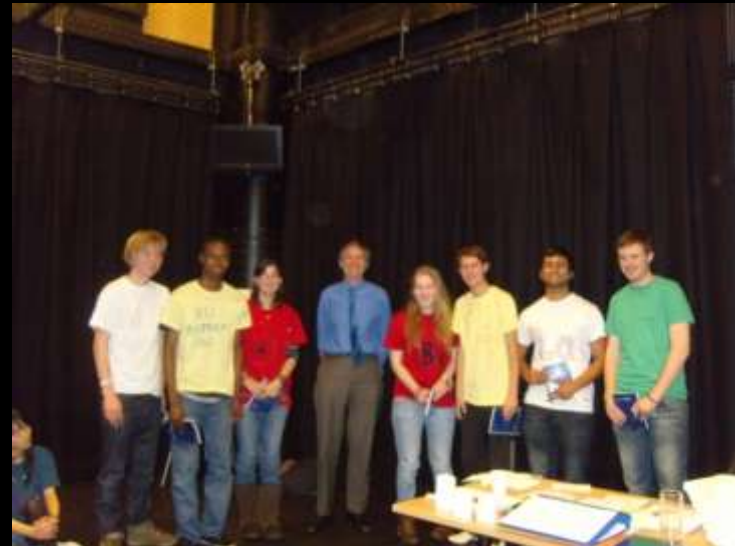


How was your life?
What were your discoveries?



Our own University Challenge...

Checking what we have learned



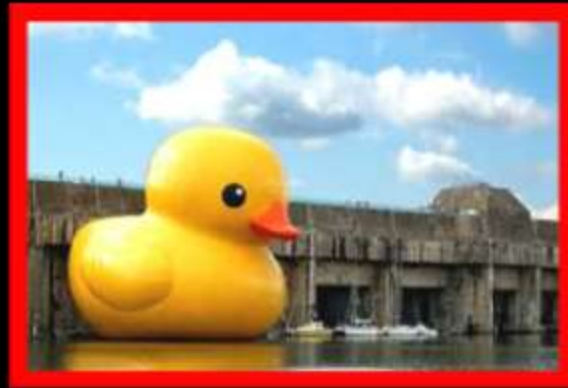
Chemistry in a “Real World” context

Open space learning workshop February 2011

12 chemistry 2nd year undergraduate students
chasing transferable skills and employability



I. Theory building – an exercise ...



... about creating and telling a story!

II. Body language

Learning to lead...



... looking like a 10!



III. Presenting to the board:

A real world problem ...



... in a real world situation!

IV. Feedback



Creative Open Space Learning for Chemists

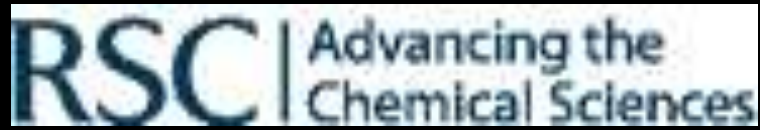
2011-12 ??

The future role of OSL
in a Chemistry Undergraduate Curriculum?



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WARWICK

Student Careers & Skills



Thank you!

