What makes students more employable?





David Cole-Hamilton •



Quality Assurance Agency (Scotland) Enhancement theme - Employability

What is Employability

"A set of achievements, understandings and personal attributes that make individuals more likely to gain employment and be successful in their chosen careers".

or
How to help students get a good job

Major Themes

Subject specific Expertise

Project work

Transferrable skills

Work Placement

Personal development Planning

Student Enterprise

Embedded within the curriculum

Project work



Project work

A significant piece of original research leading to a thesis

- Independent thought
- Deductive reasoning
- Literature abstracting
- Research planning
- Research skills and instrumentation
- Communication (Colloquium, poster, writing)
- Publications or patents

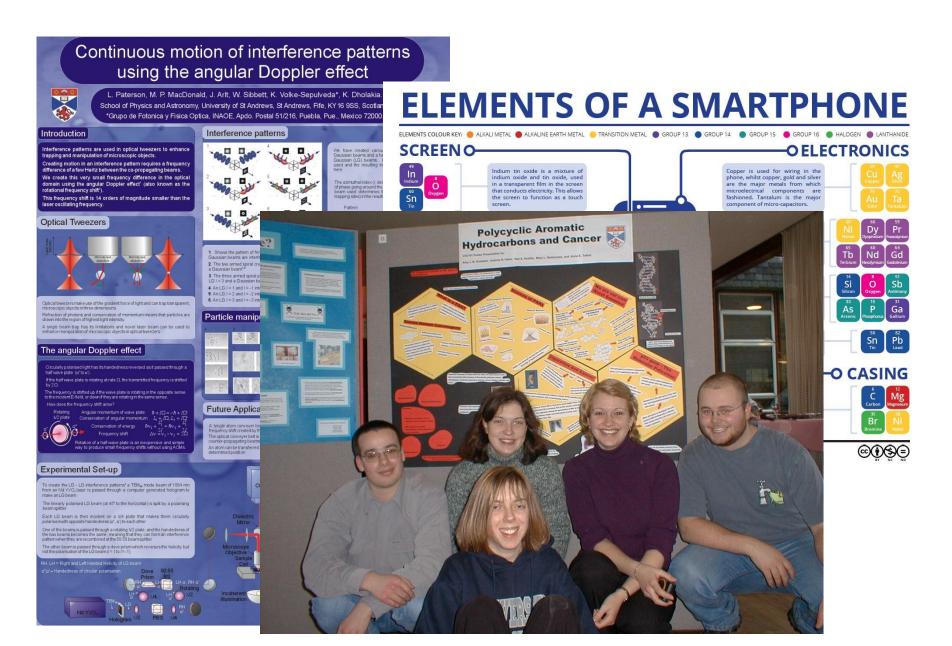
Transferable skills Embedded in the Curriculum

Posters
Oral presentations
Essays
Chemical Newspaper
Miniproject

All involve

Teamwork

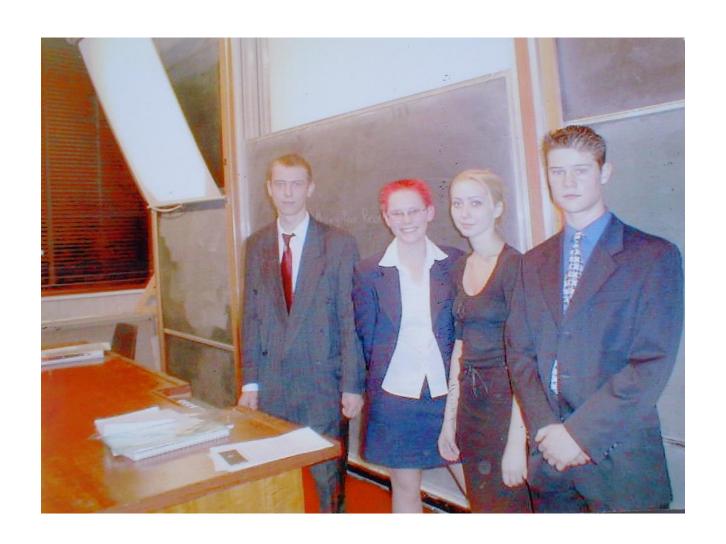
Posters



Miniproject

- Not research
- Students (team of 5 or 6) given a project
- Research Literature
- Allocate tasks
- Design experiments
- Do Risk Assessments
- Conduct experiments
- Write Individual and group reports
- Give a joint presentation
- Peer assess one another

Oral Presentations



Chemical Newspapers



Put together by a team of 5-6 students

Work Placement

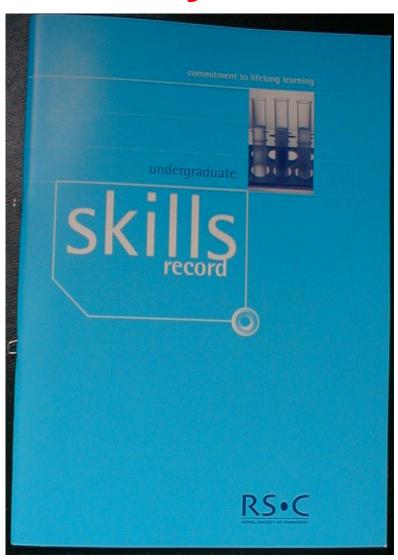
Period spent working outside the University Usually in a company or Research Institute Huge change in maturity after Placement

- Company focussed research
- Patents
- Increased profits or decreased costs
- Team work
- Reports Oral and Written
- Often students receive job offers
- Paid as an employee

Integrated into programme 8 months – 1 year

Vacation job 1-3 months

Undergraduate Skills Record Royal Society of Chemistry



Why do Personal development Planning

If I ask a student at interview –

"Did you do any group work during your undergraduate degree?"

and they think for a while before saying

"I seem to remember putting a poster together with some other students in Second year"

I am not impressed.

If they can reply immediately with details of various activities, they are much more likely to get the job

Recruitment Officer, Quintiles, Edinburgh

Nine Key Skills

- Planning and Organisation
- Study Skills
- Handling Information
- Communication Skills
- Teamwork
- Scientific / Practical Skills
- Improving Learning and Performance
- Information/Communication Technology
- Problem Solving

Showing PDP is worthwhile

- Personal Development planning is for the benefit of the students
- They need to see it as worthwhile
- Senior students acting as mentors help because they can give practical examples of where it was important (Industrial Placement or job interviews)
- A staff member committed to the scheme makes the scheme work.

Undergraduate skills record

- Student centred
- Regularly updated
- Read over before interviews etc.
- Covers academic and non-academic activities
- Paper, on-line and downloadable formats available

Student Enterprise

Business Plan competition

- Work in groups to create a business plan
 - Idea
 - Market research
 - Costing
 - Timescale
- Substantial prizes
- Legal assistance in setting up a spin-out company

How you can help

- Raise awareness of employability issues within your department
- Think how you can include transferable skills within the modules you teach
- How can external placements be introduced into your department?
- Help and encourage students with personal development planning
- Encourage students to become involved in Student Enterprise

Teach your own subject brilliantly

