

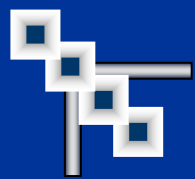
Safe Labs for Science: An interactive approach to Safety Training.



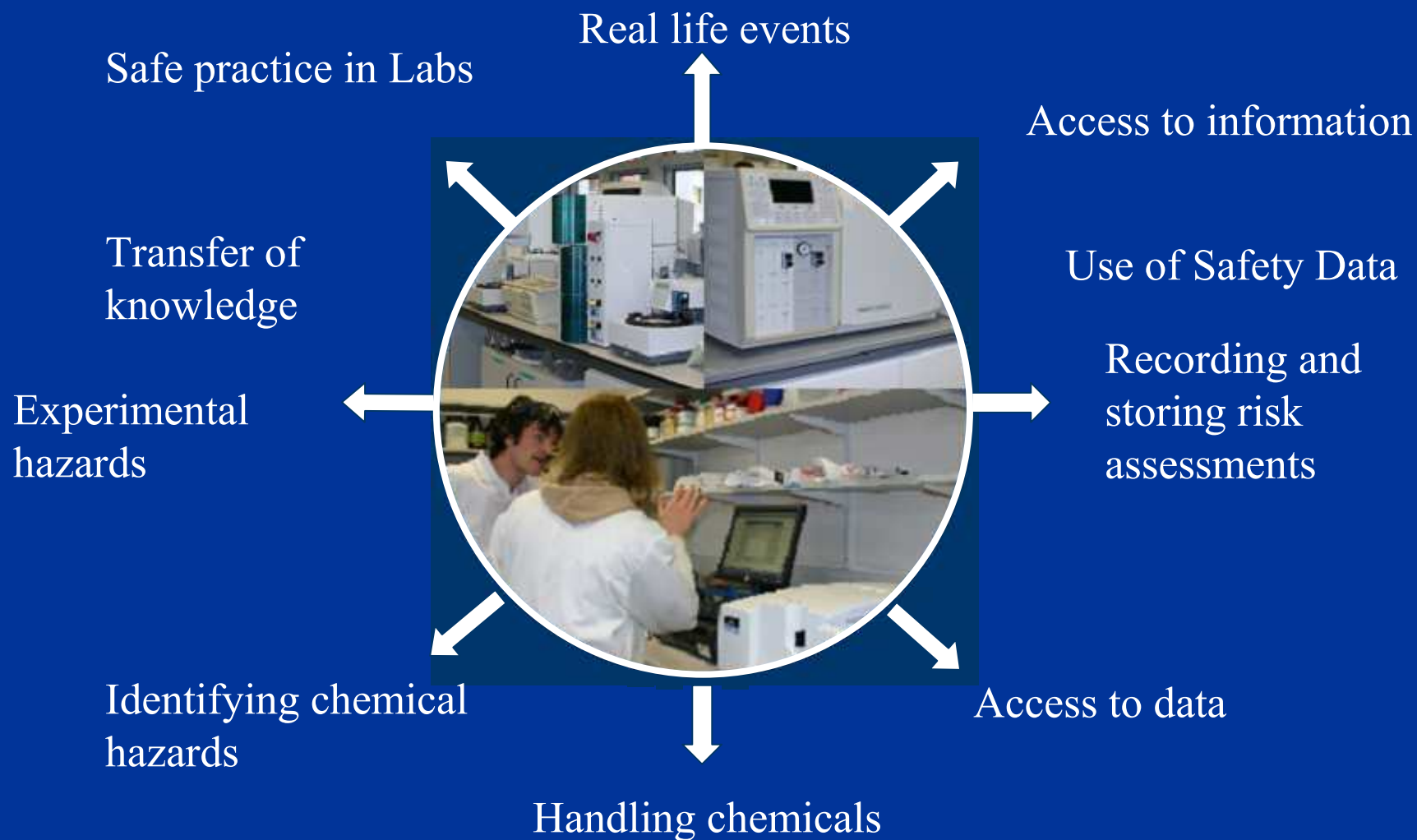
Mike Bridge, Serena Corr, Sylvia Draper, Noelle Scully,
Susan Quinn

School of Chemistry

Trinity College Dublin

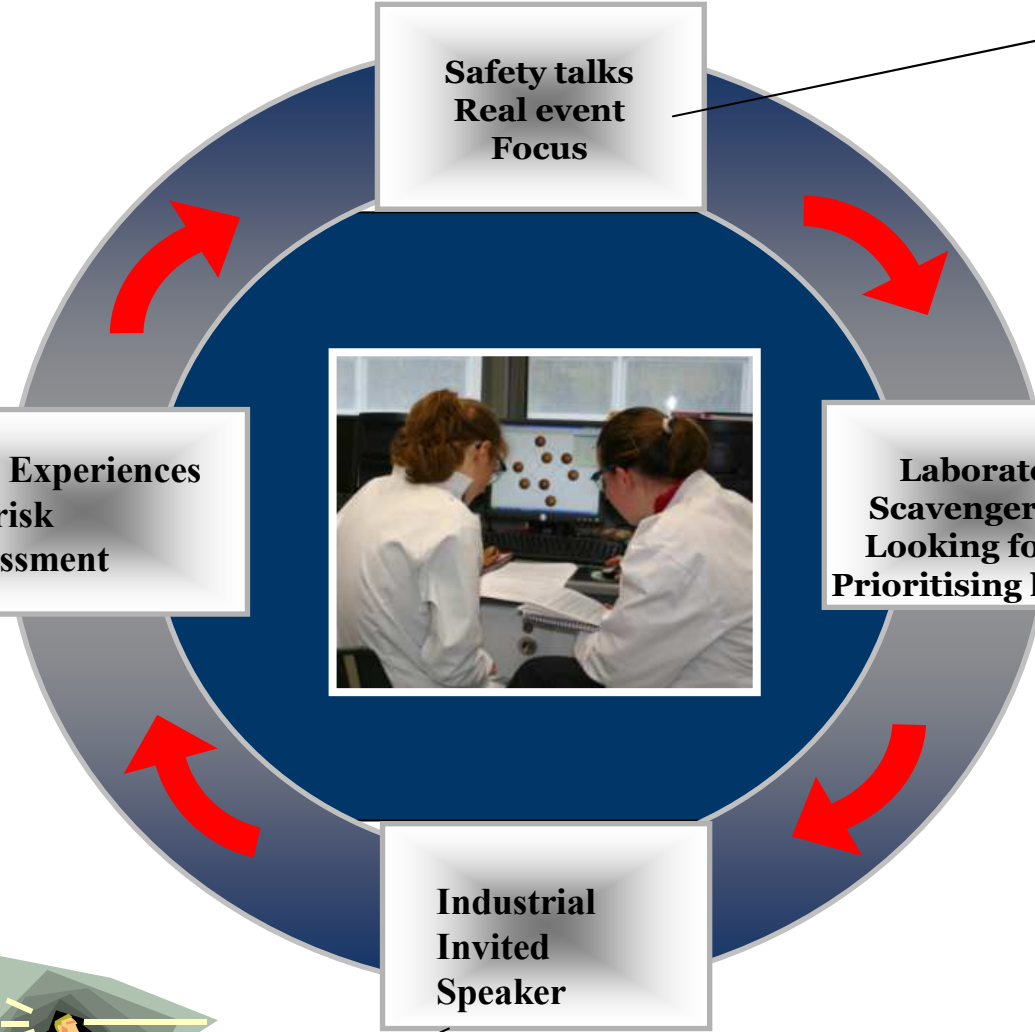


Safety Training – without the boredom !





Self-Informing-Self



Prioritising and storing data – ‘on insects’
←
‘The Four Pests’
S.M.Wright
J. Chem. Ed. 82, 10, 2005, 1519

T.L.Helser
J.Chem.Ed.
1999, 76, 68



→ Team competition exercise and prize

→ Incorrectly assembled apparatus



Surfaces and Structures Lab
TCD

3
Variety, Leicester, 31/08/07



1/2- Day Safety Training Workshop (4 hours)

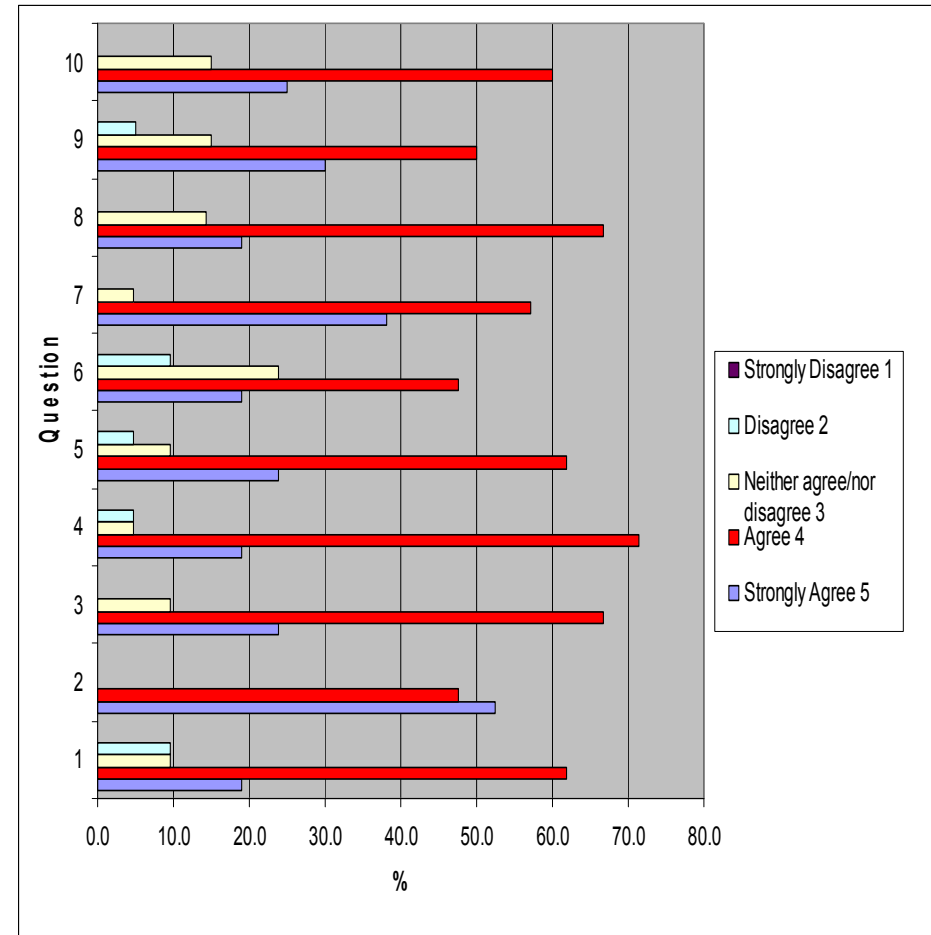


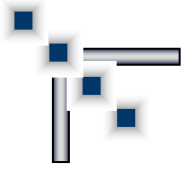
- 13.40 Introduction: organisation
- 13.50 Lab Scavenger Hunt Group A
Quiz Group B
- 14.25 Lab Scavenger Hunt Group B
Quiz Group A
- 15.00 Scenario Based Events Sylvia Draper
- 15.30 MSDS and Risk Assessments Mike Bridge
- 16.00 Feedback, answers to quiz Noelle Scully
- 16.15 Coffee and Biscuits
- 16.30 **Invited speaker - Dr Michael Gillen**
(Member of Health and Safety Executive,
IBEC)
**‘Chemical Safety – Walking the Walk not
Talking the Talk’**
- 17.30 Prize-giving and Cheese and Wine Reception
for all attendees



Student response

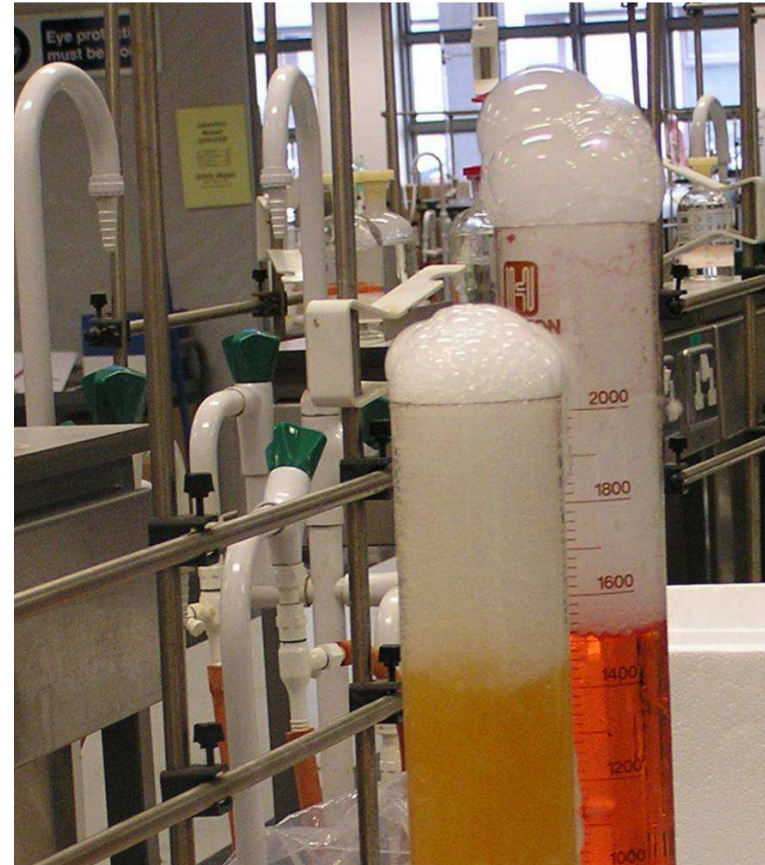
- Q10 The workshop was enjoyable
- Q9 Working as a team enhanced the workshop
- Q8 The self-test element enhanced the workshop
- Q7 My level of lab safety awareness has improved
- Q6 The difficulty level of the on-line quiz was appropriate for me.
- Q5 The lab scavenger hunt was informative
- Q4 The lab scavenger hunt was interesting
- Q3 The amount of material in each part of the workshop was about right.
- Q2 The objectives of this workshop were clear.
- Q1 The difficulty level of this course was appropriate for me.





Student response : some comments

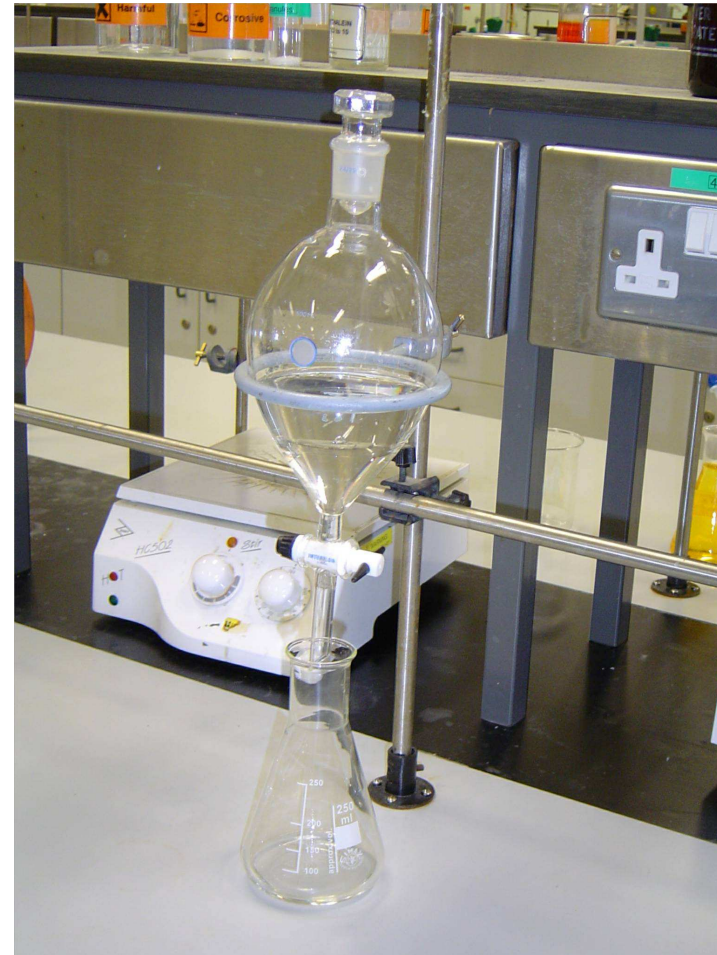
- **Why couldn't we do this earlier?**
- **I thought the quiz would be boring but ...**
- **I thought the scavenger hunt would be “childish” but**
- **If safety can be this interesting, how come our other lectures are so dull?**
- **Really useful and interesting**
- **Fire extinguishers are on the Junior Cert but I'd forgotten**





Student response : the negative comment

- o Why did you choose the first fine Friday afternoon of the year?





Future developments



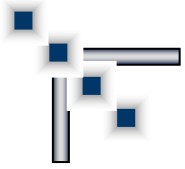
□ Final year students

- September 2006
- Integrated into postgraduate course run with Biochemistry


□ Provision for first two years

- Workshops from October 2007
- Laboratory courses





Course materials available from

- MEB on request
- Soon (!)
 - From School of Chemistry website at www.tcd.ie
 - www.physsci.heacademy.ac.uk 





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Acknowledgements

- Prof. Sylvia Draper, Dr. Noelle Scully, Dr. Susan Quinn, Dr. Serena Corr
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- Dr. Bill Byers (Ulster)
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- The technical staff in the Cocker Laboratory (Scavenger Hunt)
- Our students in the School of Chemistry in TCD