

# **Website Case Studies at Bournemouth University**

- 1. Why Website ?**
- 2. Case Studies Structure**
- 3. Teaching and Outcomes**
- 4. Success Criteria for Website**
- 5. Future Direction**

# Why Website ?

- Contact – other universities & global
- Interactive - within site & external
- Capacity - amount & variety
- Flexibility & accessibility
- Consistency – content & presentation
- Maintenance can be easy

# DEFINED STRUCTURE

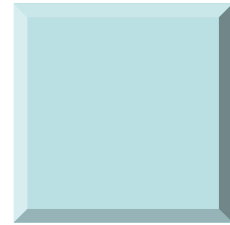
- Introduction to Sustainable Development
- 3 Case Studies
  - A Life Cycle Analysis
  - B Design for Waste
  - C SD Assessment
- SD Tools
- Lecture Material & Glossary
- Feedback

# Case Studies Structure (A)

- Overview of LCA
- Examples of use of LCA
- LCA Practical
  - Two designs for sauce container
  - change raw materials, transport & disposal
- Student report
  - Design details & reasons
  - Environmental impacts of materials, transportation and disposal
- Student support – quiz, feedback, sources of information, glossary

# Case Study Structure (B)

- **Design for Waste**
  - **Chapters (1 to 8 ) plus Exercises & Feedback**
  - **Chapters structure**
    - **Overview**
    - **Issues for designer**
    - **Detailed information**
    - **Lessons for designer**
    - **Questions**
    - **Information & references**
  - **Topics – What is Waste, why concerned, where from , measure & control, Minimisation, Prevention, design**



# Case Study Structure (C)

- **Sustainable Development Assessment**
  - Introduce wider social & economic issues
  - Encourage discussion for balanced decision
- **Problem**
  - new factory – define selection criteria & recommendation to build
- **Assessment**
  - As two stakeholders – first designer & then resident, councillor etc
  - Worksheet -- Aspects , elements, topics , score, impacts , comments
  - Outputs – tables, graphs & reports

# Teaching and Outcomes

- Teaching
  - Masters Modules SPD & Design for Waste
  - Final Year – Product Design, CAPD
  - Second Year – Design Engineers, Product Design
- Outcomes
  - Student Experiences – lectures, practicals, visits
  - Evaluation Strategies – feedback , observation
  - Awards
  - Conference papers & articles

# Success Criteria for Website (1)

- Set up ‘Project’ Design Team
  - Need Experts – SD, Product design, Web Design and key Education
  - Learn from each other
  - Needs to be fun
- Lessons learnt
  - The ‘Design’ of web most time consuming

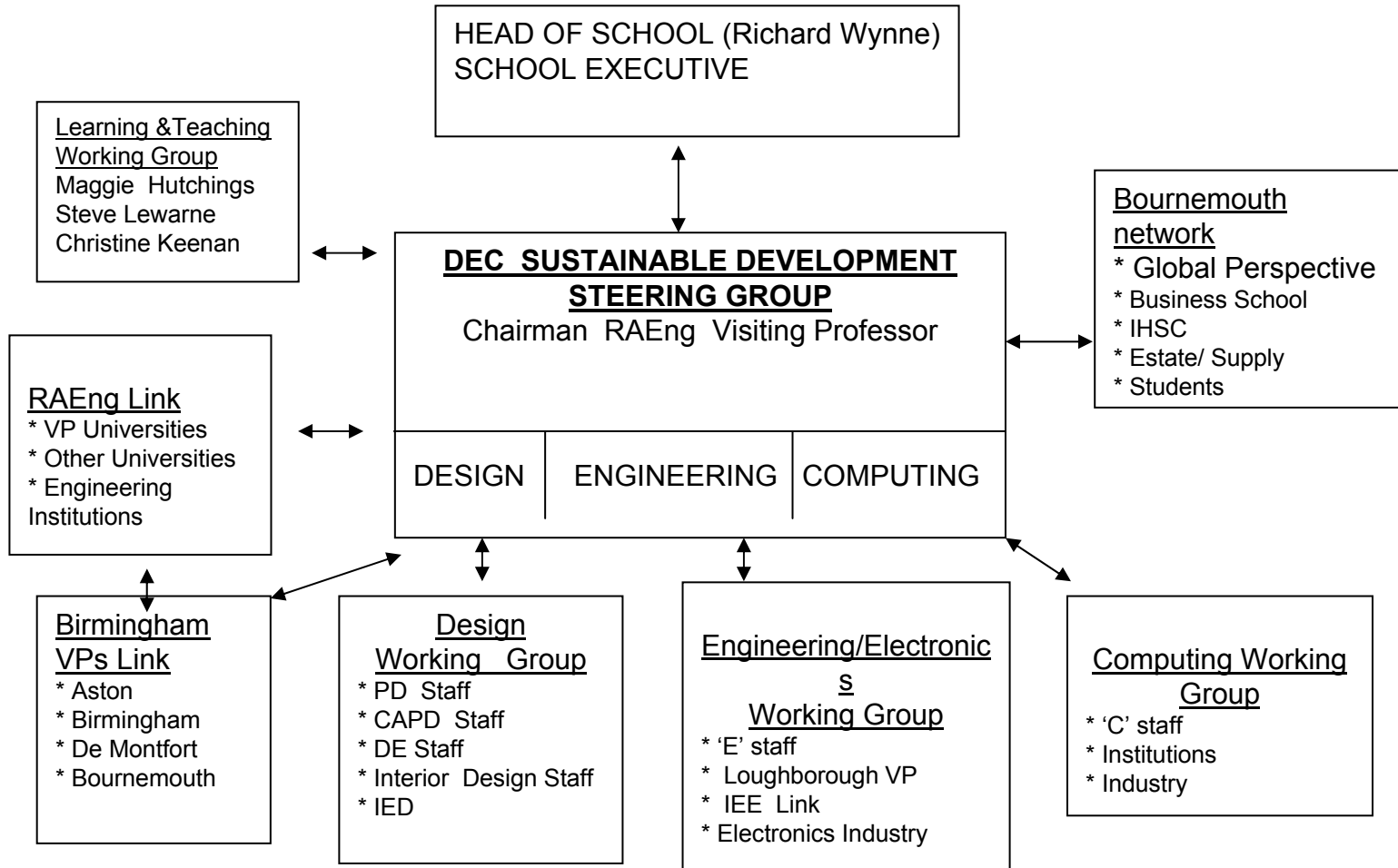
## Success Criteria for Website (2)

- Web Design Principles applied to all case studies
  - **Variety** - attention with range of Stimuli
  - **Action** - do things
  - **Application** – apply in another context
  - **Interaction** – allow change or comment on content
  - **Feedback** – review & reflect on things done or understood
  - **Scaffolding** – guiding by providing frameworks & connections
  - **Evaluation** – contribute to design through feedback

# FUTURE DIRECTION

- Materials Case Study - Overview with signposts
- Consolidation Sustainable Development Teaching within DEC

# SUSTAINABLE DEVELOPMENT APPROACH WITHIN DEC IN OCTOBER 2005



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**poverty**

**oil spill**

**Deforestation**

**traffic**



**Sustainable  
Product  
Development**

**industrial pollution**

**child labour**

**landfill**

**Poor Working Conditions**

System Requirements [Enter Website](#) Credits

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