Achieve More.

Larging it Implementing interdisciplinarity, a progress report from the University of Sheffield: what have we learned?

Claire Allam Interdisciplinary Conference, Milton Keynes 10 April 2017

&Transition tool for students

& Definitions of interdisciplinarity

&Unforeseen Benefits

Main themes

Achieve More

"Achieve More will broaden your horizon and your experience of people and life, and this can only prepare you more completely for living and working in the wider world when you leave university".

Achieve More is your opportunity to go beyond your degree.

http://www.sheffield.ac.uk/undergraduate/why/achieve-more

Scope & scale



First Year Students

Join students from other disciplines within your Faculty to encounter new perspectives on a range of local and global issues.

Discover what your faculty has in store \rightarrow

Second Year Students

Come together with students from all five Faculties to explore the problems and possibilities that will arise as the world population rises to 10 billion.

About 10 Billion →



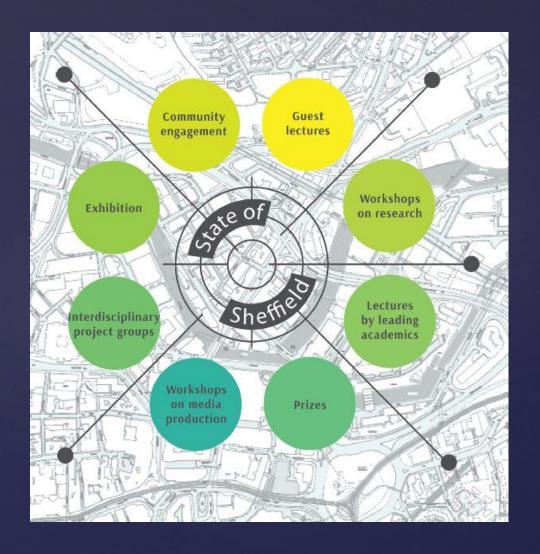
Final Year Students

Communicate your knowledge and ideas to nonspecialists, both from within the University and beyond.

Discover More →



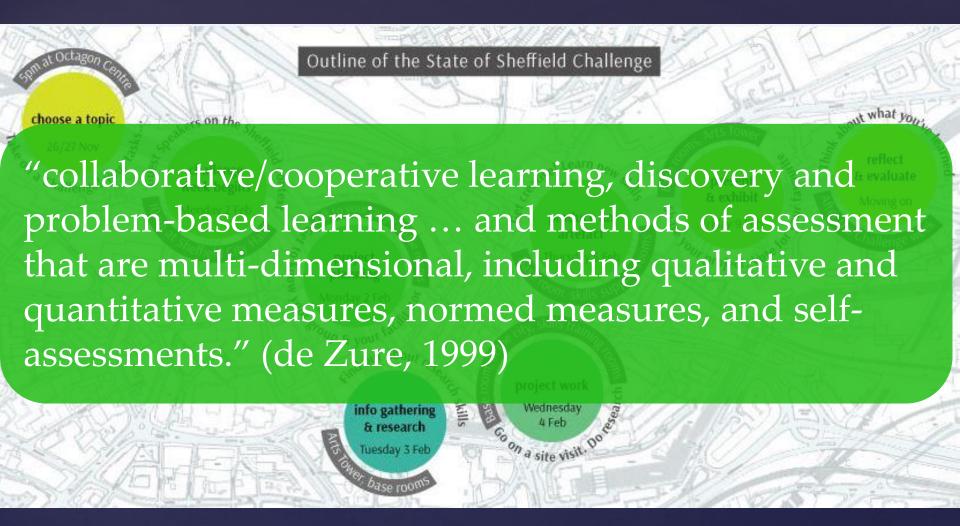
Vertical integration



State of Sheffield 2015



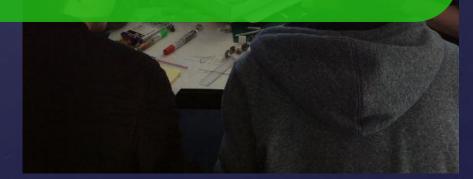
State of Sheffield 2015



State of Sheffield 2015



"Interdisciplinary groups are great - seeing the different skills everyone brings and putting these together was a highlight of the week."



Original emphasis - Group work

"I enjoyed creating a video and was pleased to find out that I can borrow cameras from the Diamond and use the editing suites."

- self-directed learning: non-prescribed learning no road maps; inventions, integrated with one's values, skills, life experience, e.g. inquiry-based learning
- creative learning: inventive learning divergent thinking, exploration, discovery
- feeling learning: vulnerable learning making mistakes, trying out, acknowledging limits of competence" (Gabelnick. 2002)

Original emphasis - Product



"The step from an appealing idea to an operational method is large indeed." (Karlqvist, 1999)

Highs and Lows



The State of Sheffield

Global Perspectives on Local Issues

Module Introduction 2016-17

Week 15 Semester 1

30 January-2 February 2017



Faculty of Social Sciences
The State of Sheffield

Evolution

Research project (Learning)

&Individual input (Attributes)

& Alumni participation (Skills)

Current emphasis



Abbeydale Road

Some site visits from 2016:



"Getting to use research methods in a way that actually contributes to something, getting the independence to go into the streets and apply them".





Endcliffe Park



Community engagement

Models 'best practice' UG student approaches

- &Skills development where/how to access

A transition tool

What does interdisciplinarity mean for level 1 students?

"The mere presence of individuals from different disciplines does not signify interdisciplinary collaboration." Chettiparamb (2007)

"Tenjoyed meeting a new group of people who think very differently to myself." Tenjoyed working with students from different departments and providing a creative twist to an academic research question."

Level 1 perceptions

"To see the whole is to see it in breadth, but without access to the particular vision: to see the part is to see it in depth, but in the absence of the general overview." Becher (1989)

"I had a great conversation with a fellow student at the session and it was interesting to hear his opinions and how they differed to mine due to the fact that the courses we are studying were really quite different. This opened my eyes to the importance of interdisciplinary {learning}."

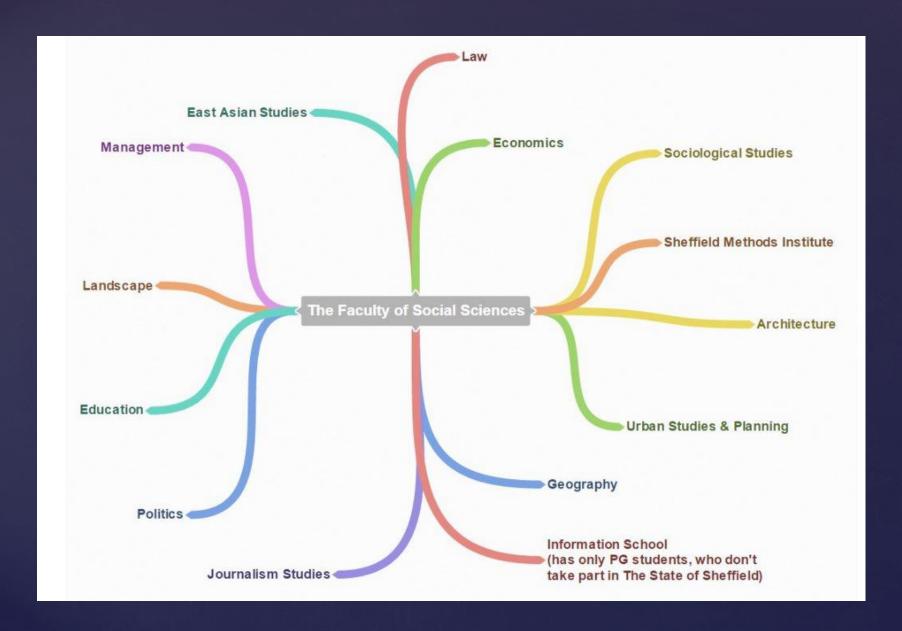
Level 2

&Staff

& Facilitators

&Students

Unforeseen benefits



Unforeseen benefits

- &Enthusing students about their discipline
- &Expands their network (colleagues and community)
- &Learning from students' research
- k... And use elsewhere

Unforeseen benefits – for staff



Unforeseen benefits - facilitators

- & Teaching experience
- & Dealing with lack of engagement
- &Transferable skills
- &CV building work experience
- &Broadens network (academics/facilitators)
- New types of research skills
- & Creativity and freedom!

Unforeseen benefits

"Facilitators were friendly, open and willing to discuss and share their knowledge and it opened my mind."



Unforeseen benefits - verticality

&Transition tool for students ✓

&Interdisciplinary definitions





- "1. Creativity often requires interdisciplinary knowledge.
- 2. Immigrants often make important contributions to their new field.
- 5. Many intellectual, social, and practical problems require interdisciplinary approaches.
- 7. Interdisciplinarians enjoy greater flexibility in their research.
- 9. Interdisciplinarians may help breach communication gaps in the modem academy, thereby helping to mobilize its enormous intellectual resources in the cause of greater social rationality and justice. (Nissani, 1997)

Conclusion

Current team

- 🔈 Julia Bishop
- & Beci Oldfield
- 🔈 Laura Hogg

Original team

- k Andy Clayden
- k Claire Allam
- & Cristina Molina-Hall
- & Chris Maidment Student
- & Sian Parkinson Student

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