The Entrepreneurial Mindset -

Truly Transformative Teaching

Research conference 2019

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Purpose

- Models for challenge-led learning
- Building interdisciplinary
- Learning communities for impact
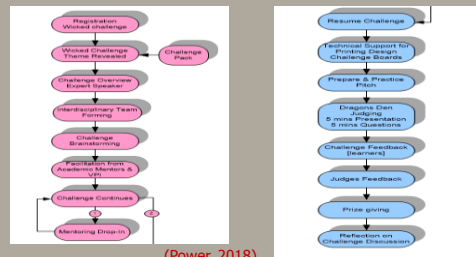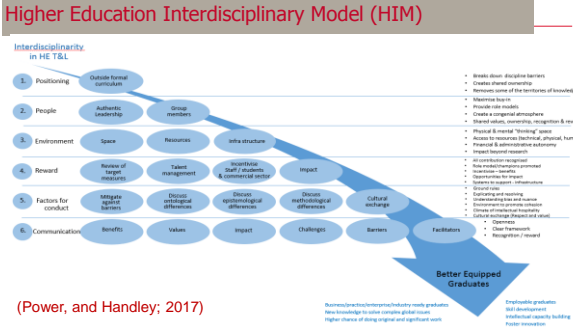- Skills - Critical thinking / creativity / resilience

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Entrepreneurial Mindset

Turning Problems into Opportunities

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Interdisciplinary commercial challenge-led learning

(Power, 2018)

Higher Education Interdisciplinary Model (HIM)

Interdisciplinarity in HE T&L

1. Positioning — Outside formal curriculum
2. People — Authentic Leadership, Group members
3. Environment — Space, Resources, Infra structure
4. Reward — Review of target measures, Talent management, Incentivise Staff / students & commercial sector, Impact
5. Factors for conduct — Mitigate against barriers, Discuss ontological differences, Discuss epistemological differences, Discuss methodological differences, Cultural exchange
6. Communication — Benefits, Values, Impact, Challenges, Barriers, Facilitators

- Breaks down discipline barriers
- Creates shared ownership
- Removes some of the territories of knowledge
- Maximise buy-in
- Provide role models
- Create a congenial atmosphere
- Shared values, ownership, recognition & reward
- Physical & mental "thinking" space
- Access to resources (technical, physical, human)
- Financial & administrative autonomy
- Impact beyond research
- All contribution recognised
- Role models/champions promoted
- Incentivise – benefits
- Opportunities for impact
- Systems to support – infrastructure
- Ground rules
- Exploring and resolving
- Understanding bias and nuance
- Environment to promote cohesion
- Climate of intellectual hospitality
- Cultural exchange (Respect and value)
  - Openness
  - Clear framework
  - Recognition / reward

Better Equipped Graduates

Business/practice/enterprise/industry-ready graduates
New knowledge to solve complex global issues
Higher chance of doing original and significant work

Employable graduates
Skill development
Intellectual capacity building
Foster innovation

(Power, and Handley; 2017)

Impact

Student
Skills - resilience
Metacognitive appreciation
Value of networks
Positive disruption
Change of mind-set
Benefits to career
Awareness of opportunities
Better ENGAGEMENT

Commercial
Changed mind-set
- changed branding strategy
- exploring KTP
- exploring research projects
Inventive/exciting concepts
- opportunities to explore new concepts
Overwhelmed by new ideas
- taken into the commercial sector
Great design is a team
- opens new perspectives
- Fashion students for web design

University
Brought people together
Staff short listed for prize
Opened up facilities
Snowballed
Benchmark statements
Streamlined IP
Changed mindset
Blueprint for learning

Reflection 2012 - 2016
(Power, 2018)

Creative Footpath Challenge

Staffs students in Partnership with UHNM May 2018

https://www.linkedin.com/pulse/staffordshire-students-working-community-challenge-power-sfhea-ntf/

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Funding for VPI Oct 2019–July 2022
Subject to contract

ROYAL ACADEMY OF ENGINEERING

Andrew Lawrence

The Creative Connections

- innovative teaching and learning practices to increase student learning,
- build sustainable networks and develop employability skills
- work in a world of uncertainty and complexity.
- promote entrepreneurial mind sets and cultures
- sustainable networks and connections to bring them to fruition.

Join us on this adventure……..

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Further Information

- **Power, E. J.** Chapter 6: Embedding Interdisciplinary and Challenge led learning into the student experience: Hyams-Ssekasi, D and Cauldwell, E. Experiential learning for Entrepreneurship Theoretical and practical perspectives on enterprise education, Palgrave, UK. (2018) ISBN 978-3-319-90004-9
- **Power, E.J.** and Handley, J. A best-practice model for integrating interdisciplinarity into the Higher Education student experience "Studies in Higher Education". (2017)
- **Power, E.J.** 24 hour interdisciplinary Challenge, Experiential Entrepreneurship Exercises Journal, 1(5) pp. 70-75. (2016)
- **Power, E.J.** 24 hour interdisciplinary (Design) Challenge (QAA1,2,3,6), *Enhancing the Curriculum (ETC) University of South Wales: A Toolkit of Teaching Techniques Case Examples*: http://www.etctoolkit.org.uk/science-technology-engineering-and-maths/materials/ (2015).
- **Power, E.J.** The 24 hour challenge: creating a multidiscipline environment for, design and entrepreneurship in engineering and design. p. 22, In Owens, J. and Tibby, M. *Enhancing employability through enterprise education: Examples of good practice in higher education.* The Higher Education Academy UK, (2014).

Thank you