

This presentation will...

- Outline current HEFCE project
- Introduce the framework we are using to design and evaluate our project
- Show you how it works in practice
- Illustrate how it might work for your organisation







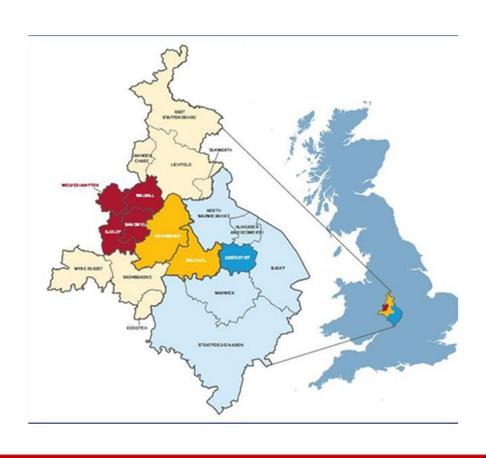








A regional project addressing barriers to student success



- Two overarching functions:
 - Using learner analytics to personalise support for HE students
 - Deploying an institutional change model of inclusion
- Timeline: Start March 2017 –
 end February 2019
- Total Project costs £937,500 (Catalyst funding £375,000)













HEFCEICatalystIFund: Addressing Barriers to Student Success PROJECT OVERVIEW 2

Why/Issue to be addressed

Students entering
HE who are not
reaching their full
potential, in
particular students
from disadvantaged
backgrounds are less
likely to achieve a
'good' degree

How to address/Solution

- Develop and implement an intervention using learner analytics to personalise support for HE students
- Deploy an institutional change model of inclusion through a multilayered process of micro-adjustments, with methodologies transferable to other institutions

Who/Target Group

Students entering
HE from colleges
where students from
disadvantaged
backgrounds (BME,
commuter, mature,
low socio-economic
backgrounds, etc.)
are highly
represented, yet less
likely to achieve a
good degree

What/Intermediate Activities

- Knowledge exchange workshop: whole institution change model
- Identification of effective practice
- Identification of common challenges
- Benchmark data or activities pre and post interventions
- Systems

 approaches: review
 and student
 support
 interventions

What/Ultimate Activities

- Scaling up use of existing data sets to inform business intelligence models for institutions
- Creation of an inclusive practice organisational toolkit to transform the culture and practice to:
 - a) Support disadvantaged students
 - b) Develop staff















Logic Chain of Intervention (s)

Activities Inputs **Outputs Impacts** Outcomes - HEFCE funding - Universities and - Enhanced - Reduced - Improved relationships colleges explore retention attainment - Institution's own

- Students and staff from every participating institution

funds

- systems and processes around: learner analytics; learning gain; student support systems
- Sharing of organisational learning between partners
- Shape future institution-based interventions
- Collation of best practice for toolkit

- improved
- attainment of all participating students, and of a sub-set of all students who are classified as WP*
- Increased levels of engagement, belonging and confidence

- between colleges and universities
- Better understanding of effective processes for supporting student success
- Build a studentcentric model for partnership between colleges and universities
- Informs organisational learning

- differentials
- *Continuation of uplifted attainment performance reflected at levels 5 and 6
- *Improved numbers of completions/'good degrees'
- *Improved employment data (DLHE, LEO)
- *=beyond the time of this project

February 2017

February 2017 – December 2018

December 2018 onwards

















- Whole project quantitative analysis of student data featuring incoming UCAS tariff points, End Yr 1 attainment, WP data, and 'intervention' participation.
- Localised focus on transitioning students:

Coventry University College

130 students

Coventry University

Halesowen College

140 students

University of Wolverhampton

Stoke on Trent College

112 students

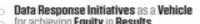
Staffordshire University

The 6th Form College, Solihull

71 students

Birmingham City University

















Common Framework

- The Theoretical Domains Framework (TDF) identifies 14 key barriers/enablers to a person adopting a voluntary behaviour, making for better design of and higher impact behaviour change interventions¹.
- The TDF aligns with the logic chain conceptualisation of the DRIVER project, in that that the theorised problem is addressed by an activity designed to address and overcome the problem, with the increase in a specific voluntary behaviour as a result².
- TDF is not a theory it is a theory-informed guide for implementers

¹Huijg, J. M. et al., M. R. (2014). ²Atkins, L., et al. (2017).













Common Framework²

- A key output of DRIVER will be detailed descriptors of each intervention, the context in which they were used, and associated results (outcomes)
- Helps organisational learning, guidance for further roll-out/scalability
- Combinations of techniques may enhance, or reduce effects.
- Intervention descriptions which leave out detail about how it was delivered, may lead to sub-optimal adoption in another context¹

¹ Abraham, C., & Michie, S. (2008)

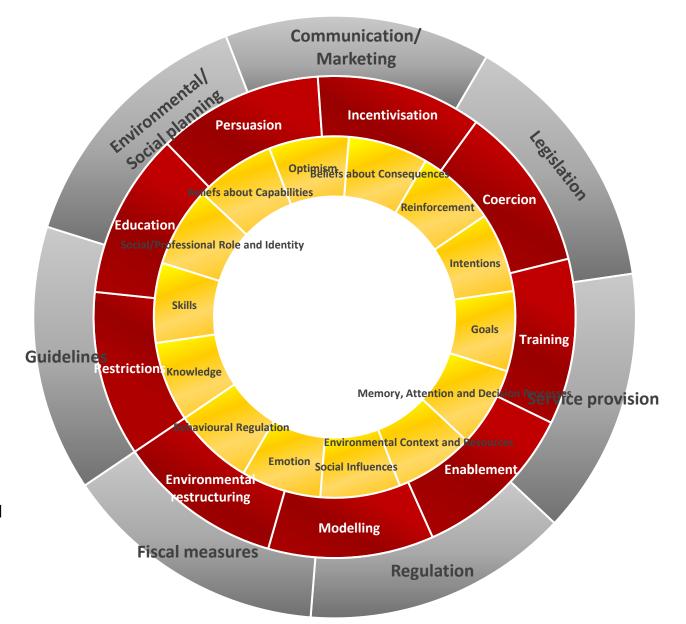












Based on Behaviour Change Wheel (Michie, S., van Stralen, M. M., & West, R. 2011).

Augmented by Theoretical Domains Framework (Cane, J., O'Connor, D., & Michie, S. 2012).





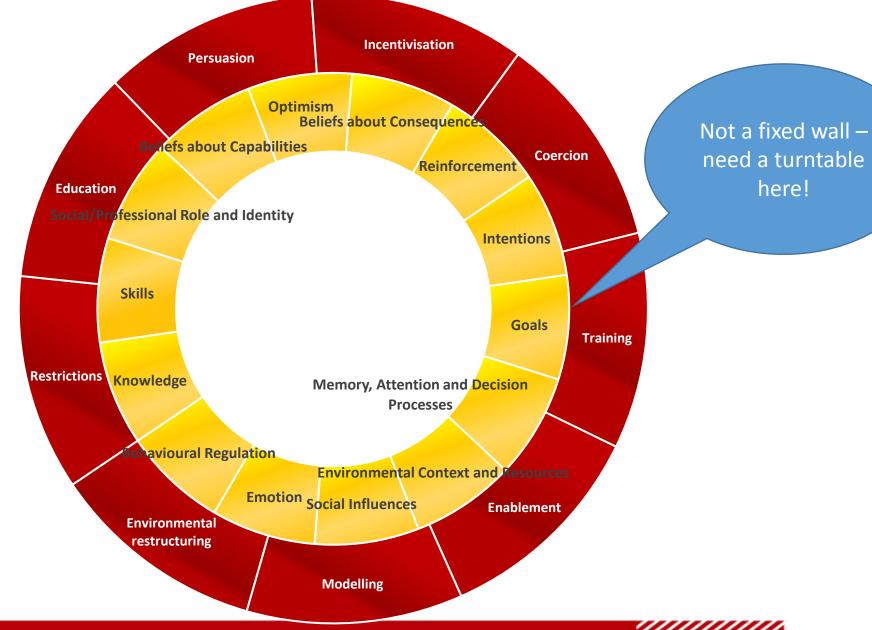




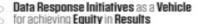
















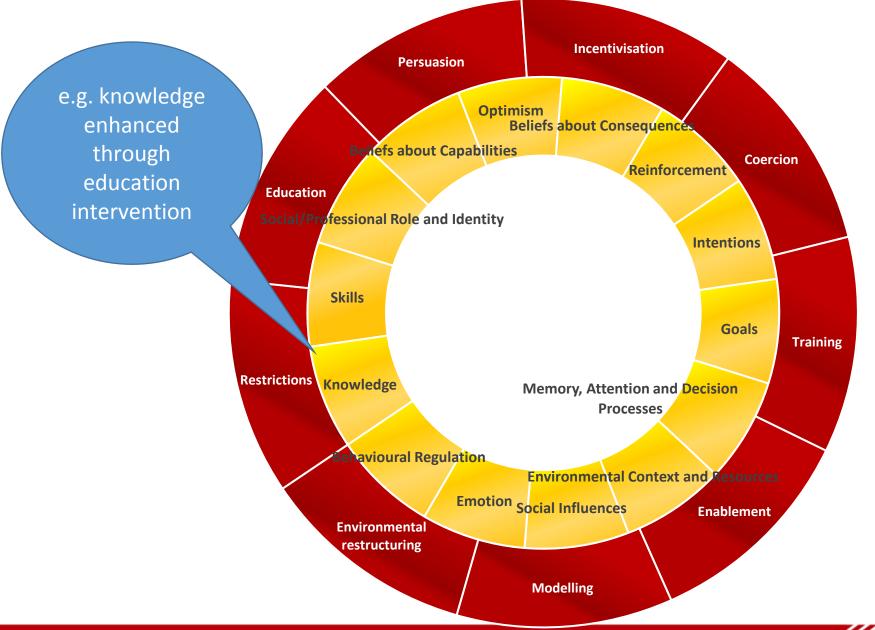
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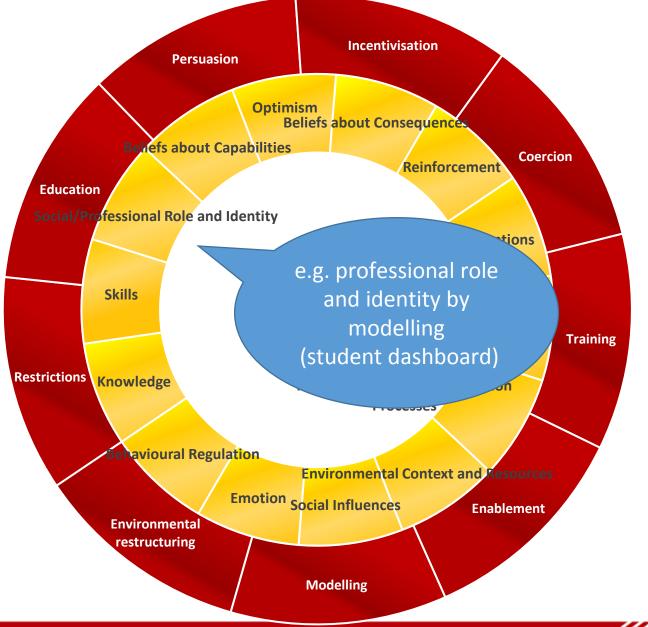




























Categorising interventions - Step 1 of specifying for scalability

- Think of an transitioning activity at your institution. Using TABLE 1, try to fit your activity to one category only (if you have picked a holistic or multi-faceted activity consider splitting into constituent parts)
- Share your reasoning with your table









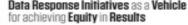






Interventions	Original BCW Definition	Constructs and examples from other BCW analysis or frameworks	Higher Education examples
Education	Increasing knowledge or understanding		Learning Discipline-specific knowledge and practices
Persuasion	Using communication to induce positive or negative feelings or stimulate action		Communication of high expectations Communicate relevance of curriculum/skills development Inspire students to aim high
Incentivisation	 Creating an expectation of reward Creating an expectation of reduced cost 	 Feedback on behaviour⁶ Commitment⁶ Discrepancy between current behaviour & goal⁶ 	Timely feedback on progress Enriching educational experiences Fair assessment Student prizes
Coercion	Creating expectation of punishment or cost	 Feedback on behaviour⁶ Commitment⁶ Discrepancy between current behaviour & goal⁶ 	Attendance monitoring Institutional monitoring of departments, and programmes with poor progression and completion numbers
Training	Imparting skills	 Demonstration and instruction on how to perform a behaviour⁶ Feedback on behaviour⁶ 	The use of web and computer to support learning and access resources Assessment technique
Restriction	Using rules to reduce the opportunity to engage in the target behaviour		Submission deadlines, library fines Measures to combat plagiarism
Environmental restructuring	Changing the physical or social context	Adding objects to the environment ⁶	Welcoming, well equipped study spaces Real time displays of availability/app-enabled booking Subsidies, loans, grants Group learning opportunities
Modelling	 Providing an example for people to aspire to or imitate 	Demonstration of behaviour ⁶	Dashboards allow students to compare with peers/average performances and set goals Guest speakers from industry Role models
Enablement	Increasing means/reducing barriers to increase capability (beyond education and training) or opportunity (beyond environmental restructuring)	 Goal setting⁶ Problem solving⁶ Action planning⁶ Commitment⁶ Discrepancy between current behaviour & goal⁶ 	Loans, grants Readily available study skills support Establishment of a learning community Regular opportunity for interaction between student and staff A culture of trust between lecturer and student















	BCU/Sol	Wlv/Hal	Sta/Sto	Cov/CU
Knowledge	2		1	1
Skills	2	2	2	2
Social/Professional Role and Identity	1	2	2	1
Beliefs about Capabilities	1	2		2
Optimism Barriers and	2			
Beliefs about Consequences Chosen by	2			2
Reinforcement partners	2			
Intentions	2	2	1	2
Goals	2	2	2	2
Memory, Attention and Decision Processes	2		2	
Environmental Context and Resources	2	1		2
Social Influences	2	2	2	2
Emotion	2		2	
Behavioural Regulation	2		2	













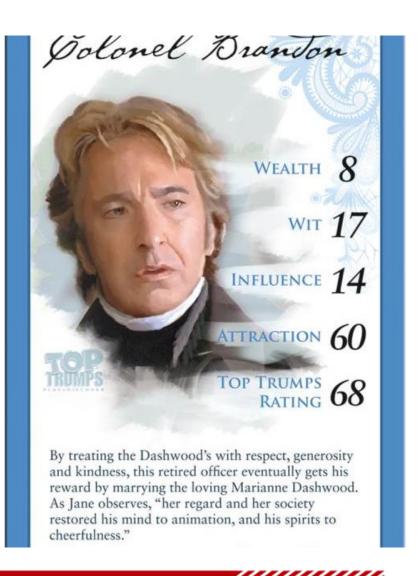
TDF: value?

- Good evaluation tool? Is helping us match up perceived problem and a suitable intervention (plus also to assess whether intervention is successful at tackling perceived problem)
- Before teams start with an intervention, use to find out what type of intervention is needed? (rather than scale up or imitate an intervention used elsewhere which was successful in another context)
- Good audit tool? Are in danger of doing 'same old same old' e.g. another intervention to pass on knowledge (to students or staff) but not skills/physical opportunity?
 - Our own research into student engagement guidance shows emotional motivation (Emotional motivation, e.g. Social/Professional role and Identity) to be a common missed opportunity (Wilson, Broughan & Marselle, forthcoming)



Next steps for DRIVER

Building our toolkit of what worked with context to enable scalability/replication.

















		Mode (how was the technique delivered)	Content (what was delivered)	Further description
Intervention name	Who needs to do what differently	(e.g. if 'education', was it on the phone, via virtual learning environment, in class?)	Make sure to use verbs (e.g., provide, advise, arrange, prompt) that refer to the action(s).	Free text - any further information which might be needed to aid someone with no knowledge of the intervention to adopt it successfully elsewhere
Student Engagement Calls (Coventry)	Students with low digital footprint need to increase engagement	Check in' phone call to student with low engagement to ask if any help needed	Advice given, services referred to as necessary	Call centre receives alerts when student digital footprint is lower than cohort. Calls made to students by trained call handlers from student services















Questions?

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Key literature

- Michie, S., van Stralen, M. M., & West, R. (2011). The behaviour change wheel: a new method for characterising and designing behaviour change interventions. Implementation science: IS, 6(1), 42.
- Cane, J., O'Connor, D., & Michie, S. (2012). Validation of the theoretical domains framework for use in behaviour change and implementation research. Implementation science: IS, 7(1), 37.
- Wilson, C., Broughan, C., & Marselle, M. (in press) A new framework for the design and evaluation of a learning institution's student engagement activities. Studies in Higher Education









