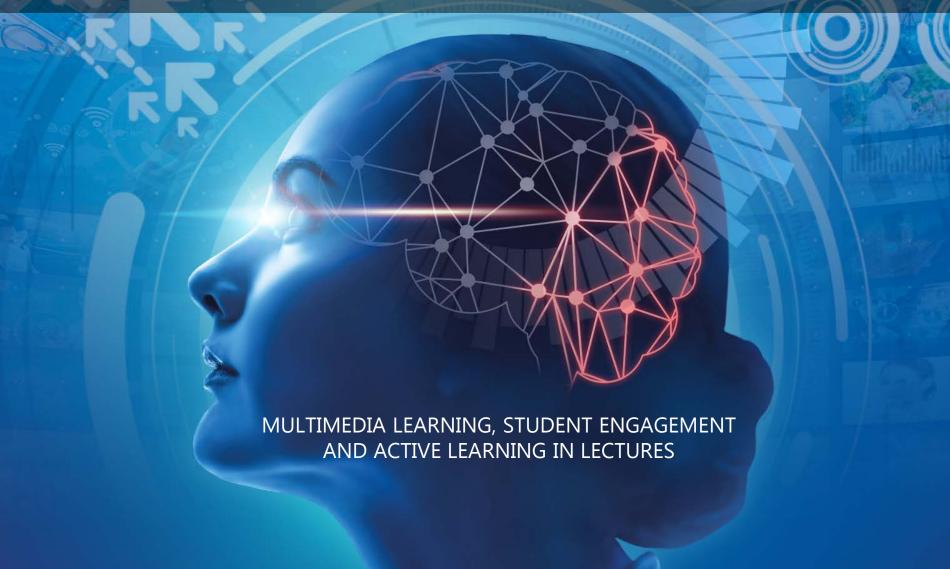
BEYOND 'DEATH BY POWERPOINT'





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hard disciplines use a greater number of small graphics and fewer large ones

Garrett, 2016

soft disciplines use fewer but larger graphics

Garrett, 2016

visual subjects use images more

Garrett, 2016

almost all use text more than images





technodeterminism



e simplified way of living. information being shown to nplified way of living. information on ice a ons monstrated in Leo that and figure out what we want the release of toxic biochemicals 3 and it existed and 1 s' g just to critically think, and and it existed until shown multi-tasking at all because, in ibble work thy overestido at exactly the same time. we should ause, in the same time. unable to process all the information of the description of the phone but both activities of the unable to process all the information of the phone but both activities of the unable to process all the information of the phone but both activities of the unable to process all the information of the phone but both activities of the perpetuates textual hegemony

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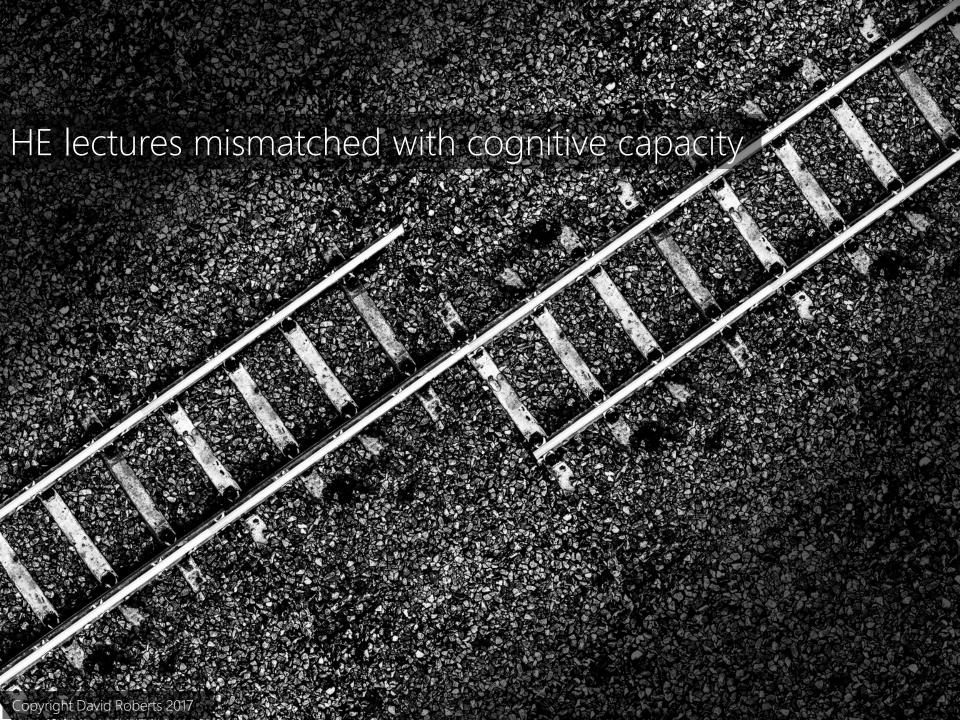
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GES AND

MML literature



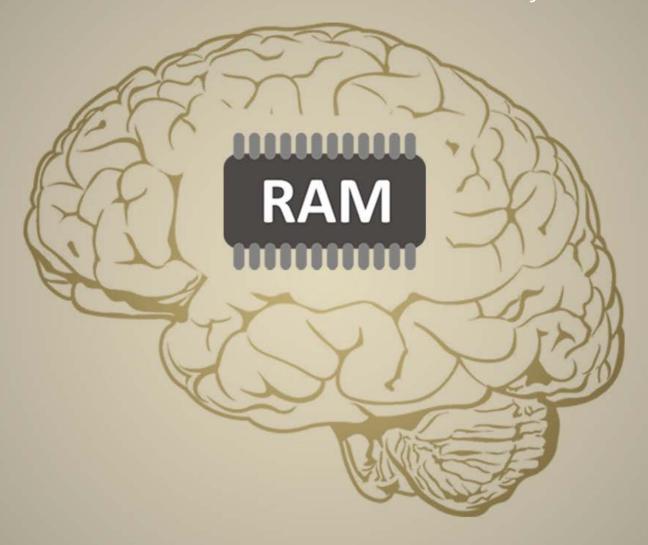




looks like this...



excess text overloads short term memory (Miller's Law)

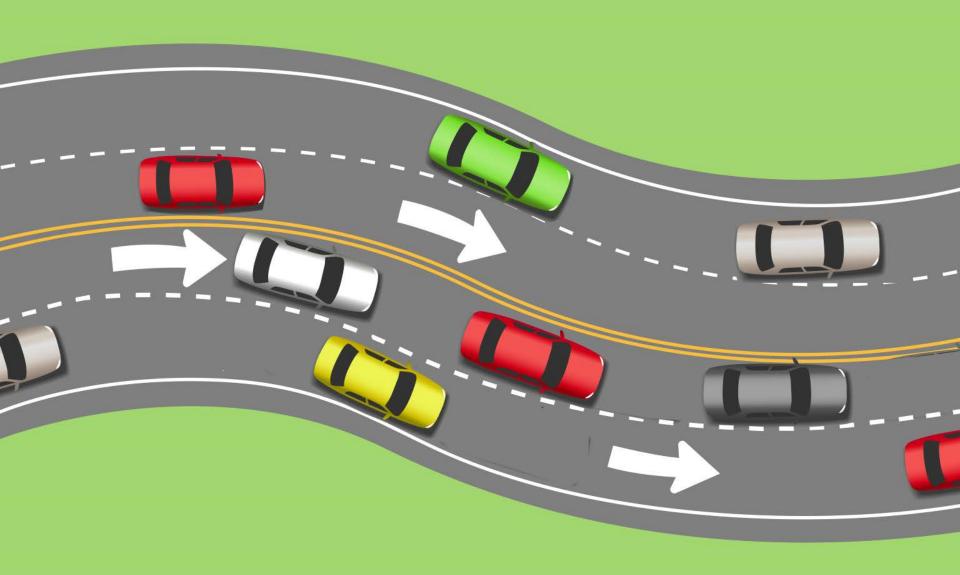




MML proposes shift from this...



to this



balance delivery to reflect reception



basii back on the

engage imagery







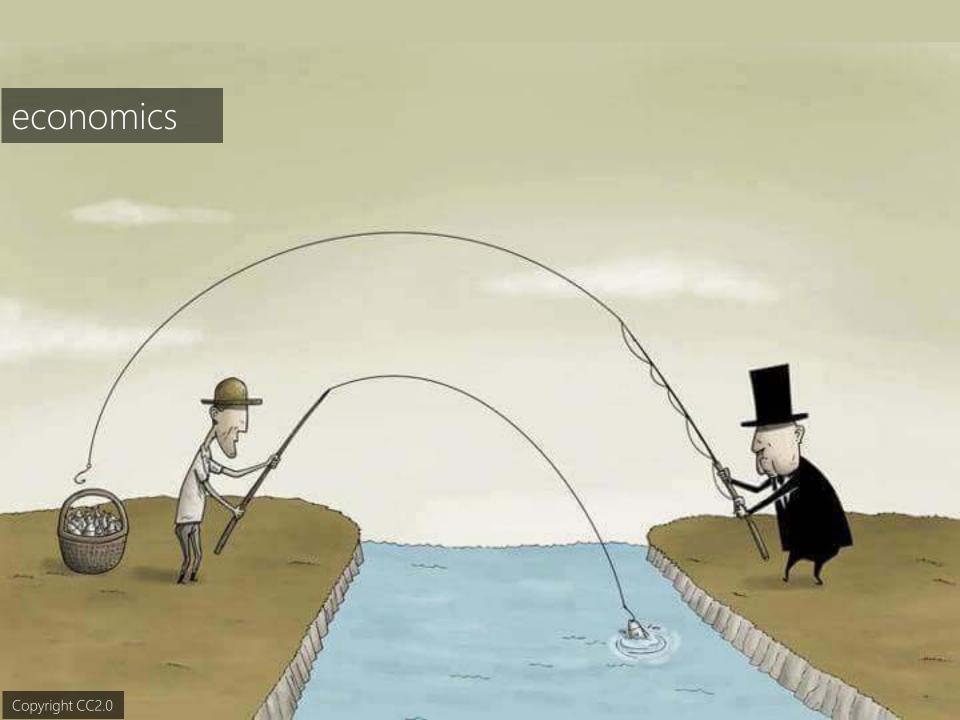


civil war and domestic violence









health studies







longitudinal control & experiment groups





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Visual Learning Research

www.newmultimediaresearch.org



What we're doing

As researchers at Loughborough University, we're running an experiment to see if using images in lectures can help students better understand the subject being taught. We think that lectures can be greatly improved if we use high quality images as well as words, instead of mostly privileging text – because a picture really can be worth a thousand words. Combining images and text matches how we teach, to how your brains learn. We believe this increases attention, engagement and active learning, for neurostandard students and for those experiencing conditions like dyslexia as well.



Ethical clearance

Loughborough University has approved this research method.



Informed consent

This form explains our responsibilities to you, and your right to participate or withdraw without consequence at any time.



Contact us

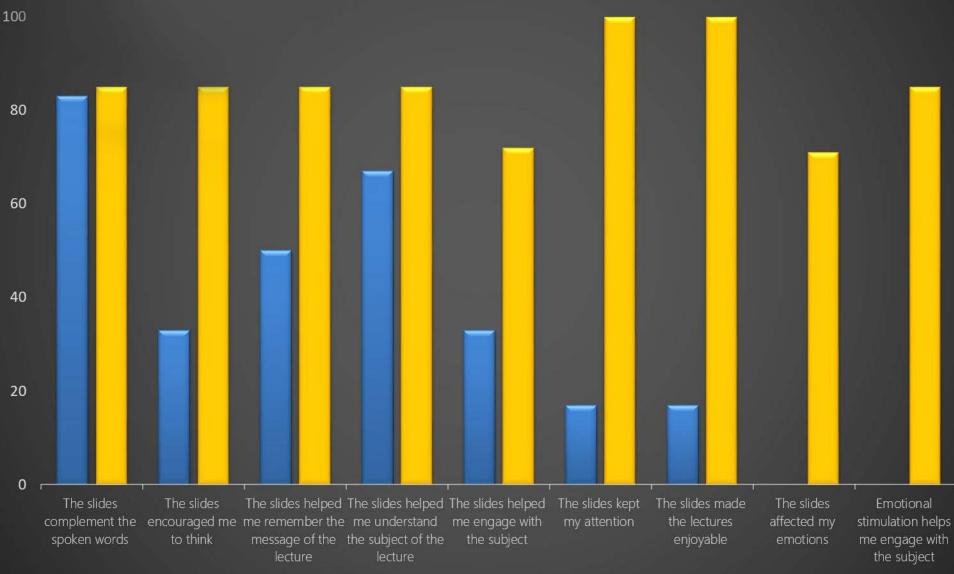
Dr David Roberts

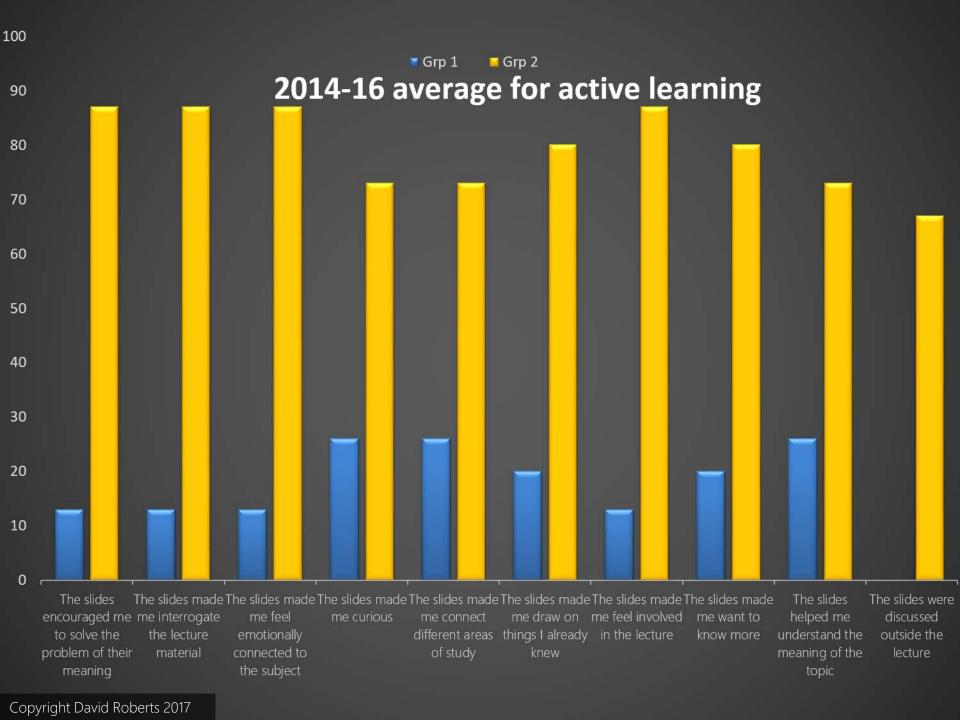
D.Roberts@lboro.ac.uk

Bristol Online Survey









BREAK FOR DISCUSSION

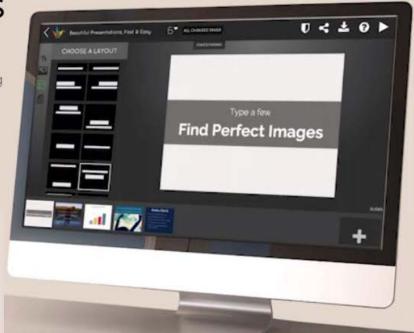


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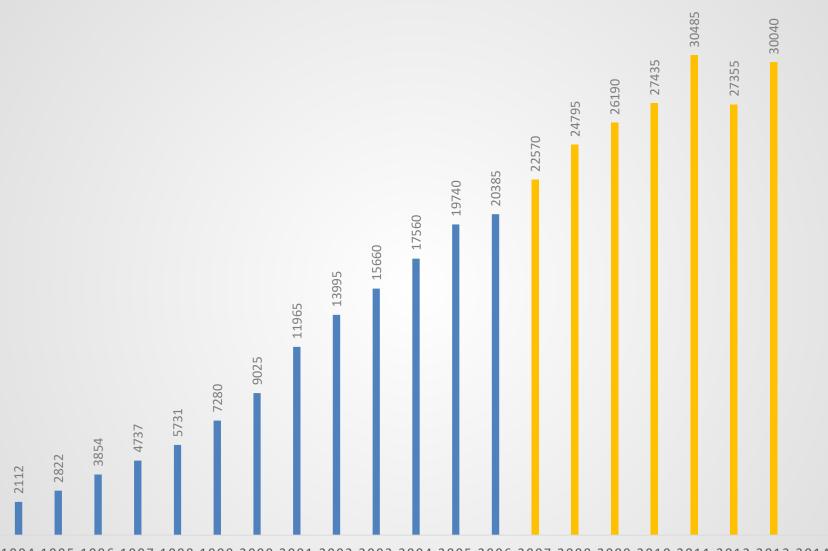
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1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014

DYSLEXIA-SPLD UK STUDENTS 1994-2014

textual oppression common but not generalizable





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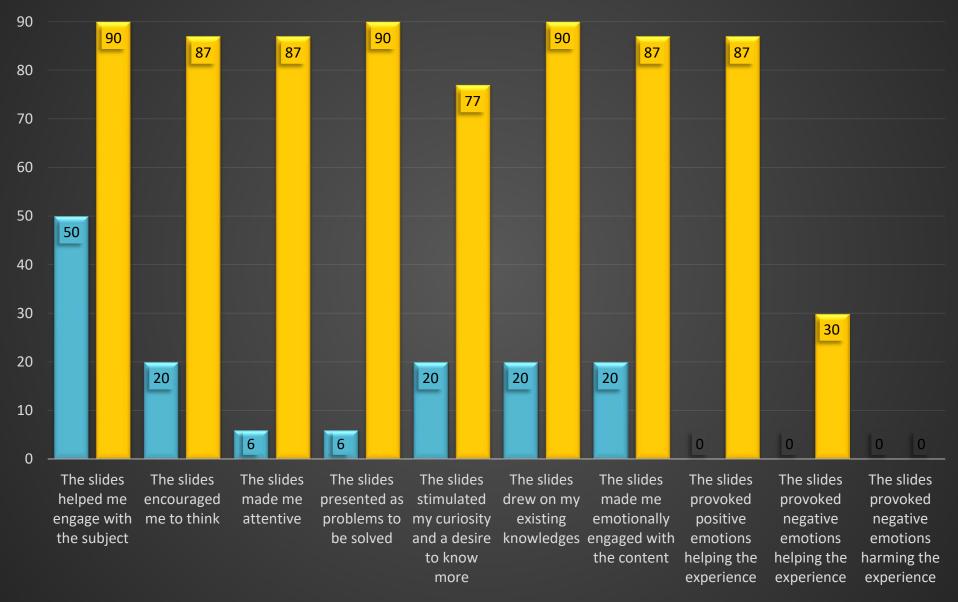
Contact us

Dr David Roberts

D.Roberts@lboro.ac.uk



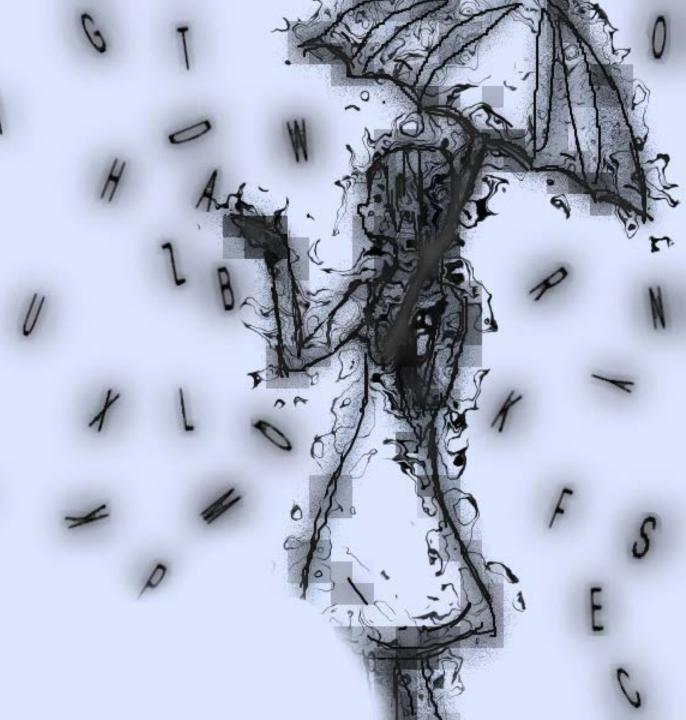
2 year longitudinal control group trial, dyslexic students





many described <u>challenges</u> with text and <u>propensity</u> for imagery

I got it straight away, from the first slide... the images stick. I barely have to try with this method...

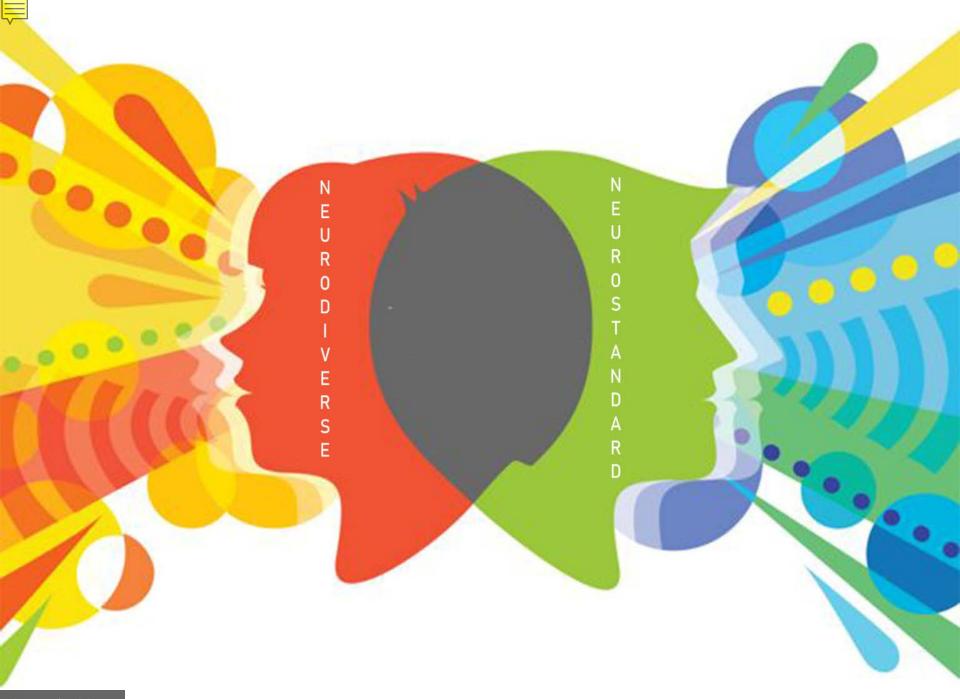


TAKEAWAYS









key is cognition, not content





The HEA... recognizes Dr. Roberts' innovative approach to the physiological match between how we learn and understand... and... how we teach and communicate. The method is shown... to increase engagement and strengthen active learning practices... [It] is an antidote to 'Death by PowerPoint'.

NATIONAL 01 STUDENT SURVEY STUDENT 02 **ENGAGEMENT** 03 INCLUSIVITY CONTINUING 04 **PROFESSIONAL** DEVELOPMENT www.davidrobertsconsulting.org

