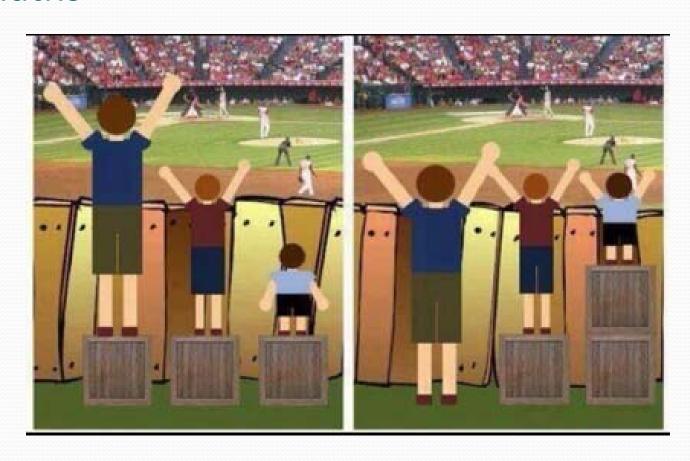


How the new generation learns?

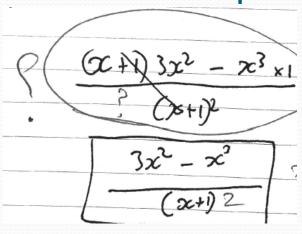


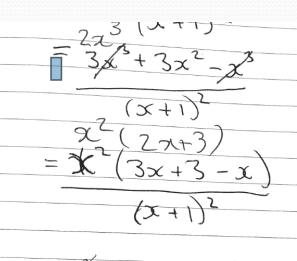
Students having very diverse backgrounds in Maths

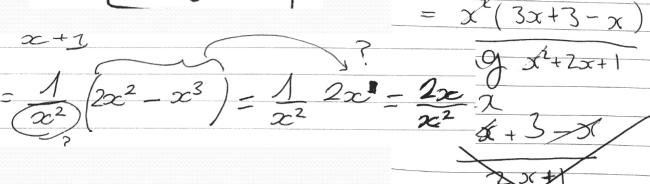


Students having very diverse backgrounds in

Maths- Examples







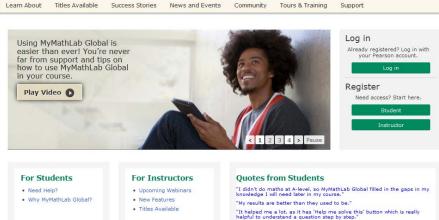
Students having very diverse backgrounds in Maths- Examples

Methods adopted for giving feedback





Marking by lectures



MyMathLab Global

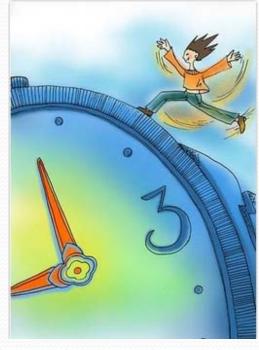




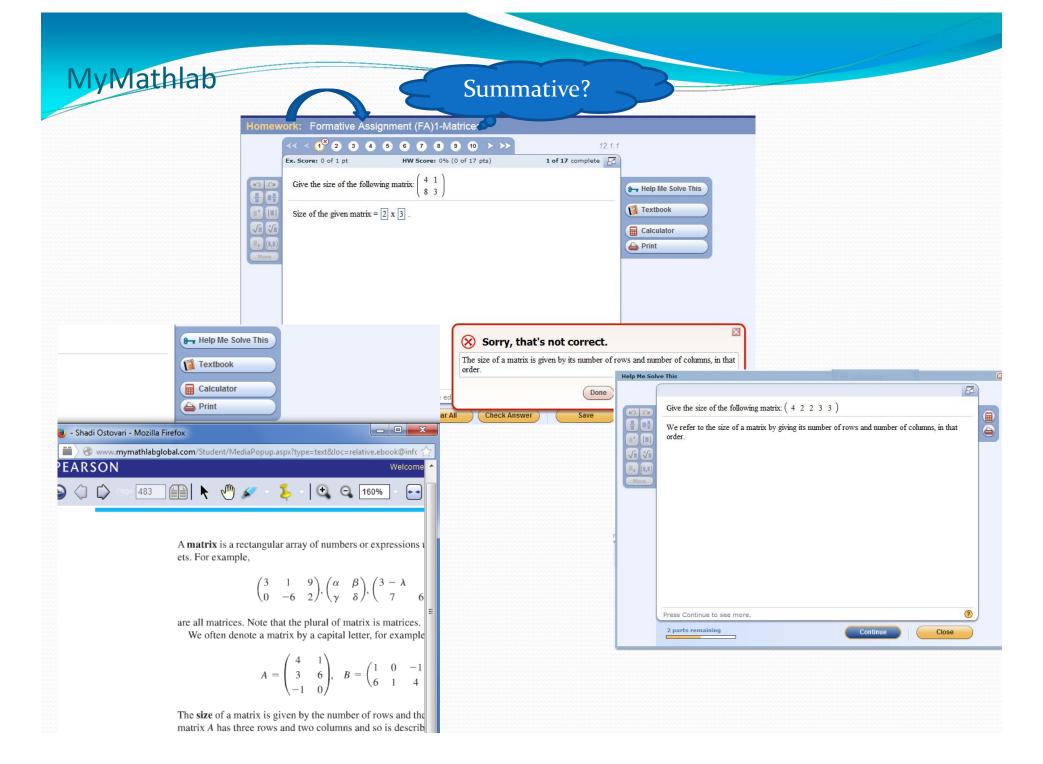
Peer assessment

Interactive assessment and feedback tool

Use of technology can save time

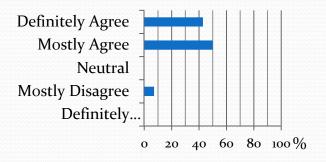


Courses Taught	Course Leading (%)	Students	Credits	Proportion Whole Class Teaching	Proportion Small Group Teaching (Seminar / Tutorial)	Proportion Assessment	Taught Period.	Proportion of whole class teaching allocated to small group Teaching	Total Points
[MATH1062] Mathematics 1A/1B (BSc)	100%	19	30	100.00%	100.00%	100.00%	T1-T3	100%	118
[MATH0027] Mathematics 1A/1B (BEng)	100%	35	30	100.00%	100.00%	100.00%	T1-T3	100%	158
[MATH1062] Mathematics 1A/1B (BSc)	100%	19	30	100.00%	100.00%	20.00%	T1-T3	100%	87
[MATH0027] Mathematics 1A/1B (BEng)	100%	35	30	100.00%	100.00%	20.00%	T1-T3	100%	100



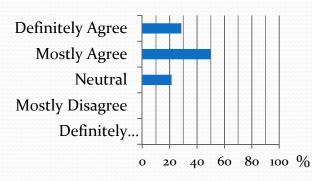
online assessment tool- Survey

Do you think My Mathlab allows you to learn Mathematics Flexibly?





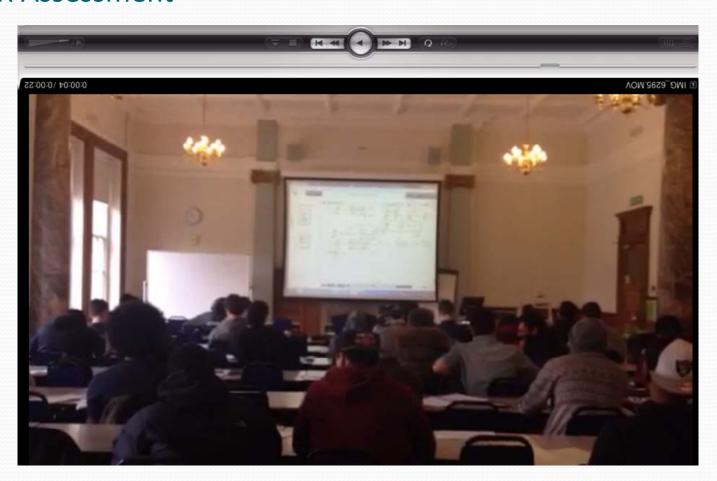
Does MyMathlab help you to learn independently?



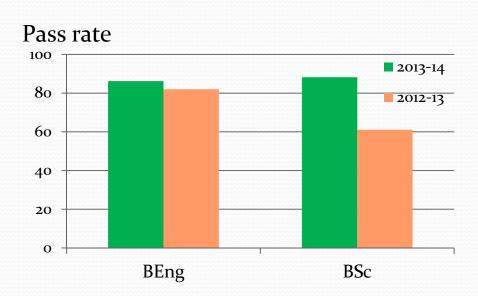
What do you like most about MyMathlab?

- Instant Feedback
- Regular assignments that let me learn on weekly basis
- Gaining confidence that I can learn myself
- Ability to learn A-level topics that I had not learnt before

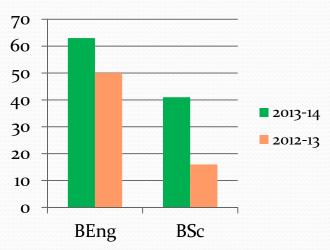
PEER Assessment

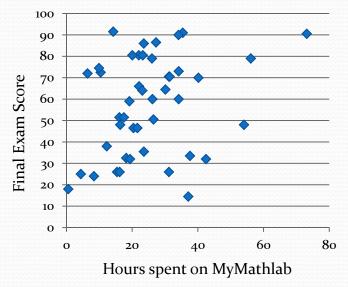


Statistics



Percentage of students achieving more than 60% in the final exam





• The final exam mark of BEng students showed a correlation of 0.39 (p-value=0.037) with the time they spent using MyMathlab.

Conclusions

Technologies



Engagement

Confident

Useful

Time saver



Happy



MyMathLab Global

References

- A comprehensive guide which includes many case studies. Available at http://www.jisc.ac.uk/media/documents/publications/enhancinglearningthroughtechnology.pdf
- Croft, A., 2010. Mathematics for Engineers: Mymathlab Global Pack. Prentice-Hall.
- Donovan, D., Loch, B., 2013. Closing the feedback loop: engaging students in large first-year mathematics test revision sessions using pen-enabled screens. International Journal of Mathematical Education in Science and Technology 44, 1–13.
- Higher Education Funding Council for England (2009) Enhancing learning and teaching through
- the use of technology: A revised approach to HEFCE's strategy for e-learning. Available from: http://www.hefce.ac.uk/pubs/hefce/2009/09_12/09_12.pdf [23 May 2011].
- Kirkwood, Adrian and Price, Linda (2011). Enhancing learning and teaching through technology: a guide to evidence-based practice for academics. Higher Education Academy, York, UK.
- Race, P., 2010. Making learning happen: a guide for post-compulsory education. Sage.

THANK YOU!