

Using technology in learning and teaching FY Maths

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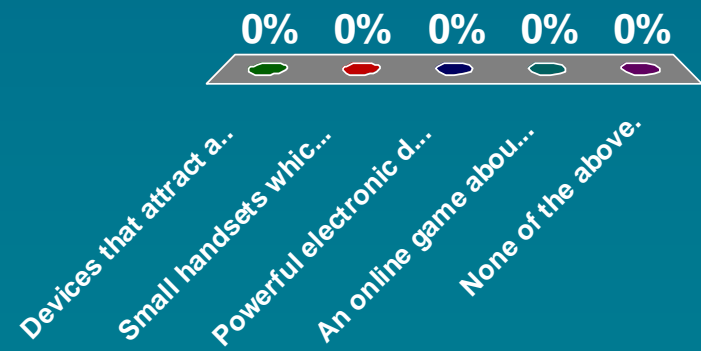
School of Mathematics

Technology?

1. Blackboard - is the University's online learning system
2. MathXL- is a software developed by a published in support of the text book '*Mathematics for Engineers*' by Craft and Davison
3. Zappers-?
4. YouTube
5. Facebook

Zappers, what are they?

1. Devices that attract and kill insects that are attracted by light.
2.  Small handsets which enable students to give their answers to questions displayed using PowerPoint.
3. Powerful electronic detoxifiers.
4. An online game about Global Warming/Climate Change.
5. None of the above.



My experience with Zappers

1. Diagnostic Quiz
2. Revision Session

Observed benefits in using zappers:

1. Increased students engagement.
2. Increased students-lecturer communication.
3. An opportunity for students to place themselves within their cohort (no embarrassments).
4. An opportunity to discuss typical errors with students built in the multiple choice questions.
5. No marking.

Challenges:

1. Time consuming – (preparation of presentations, current organisation of the whole system,....)
2. Anxiety - ... will everything work properly in the lecture theatre?

Feedback from the students:

In spite of all difficulties I had at the beginning of each session, over 60% of the students think that this technology is beneficial for their learning and would like to use it more often.

Conclusion:

I will be exploring further how to use technology (not only zappers) efficiently to support teaching in spite of the fact that my preferred teaching method is chalk -and -talk.

Questions?
Suggestions?
Remarks?
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