Motivation: Creating engaging and stimulating Web based material

- Blended Learning.
- Cloud Integration.
- Stimulating material.
- Evaluation of On-line Material.

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Cloud is a disruptive technology … probably the most disruptive since the transistor.
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1. How useful is/were the on-line video versions of the lectures for your studies

2. Do you think that all modules should have associated on-line lectures?
3. Should on-line lectures replace traditional lectures?

4. For guidance in performing practical work in the lab, how useful are on-line step-by-step video captures of the lab?
10. On-line lectures should replace traditional lectures.

15. I believe the on-line lectures enhance the reputation of my programme/university/School.
13. The on-line lectures allow me to catch-up on things that I did not quite understand in the lecture.

14. I mainly use the on-line lectures to catch-up on material before an assessment.
25. Did you find that you use the on-line lecture to:
- prepare before the actual lecture
- review after the actual lecture
- replace the actual lecture
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This provides an outline to wireless security, including:

- Wireless Threats (Lay)
- Security Methods
- Encryption

shubham goel 1 week ago
Why did you make this video !! Now my prof is making me learn everything in this :(

Bill Buchanan 5 days ago
I made it as I'm an academic and my role is to provide teaching material. My main aim was to present the material to my own students, and have shared it with others.

Bhoomith Chann 1 week ago
thank you

Demographics

**TOP GEOGRAPHIES**
United States
United Kingdom
India
Canada
Germany

**GENDER**
Female 20%

Discovery

**TOP PLAYBACK LOCATIONS**
YouTube watch page 90%
Embedded video on other sites 7%
Mobile device 4%
Other 3%

**TOP TRAFFIC SOURCES**
View referrals from YouTube 64%
View referrals from outside YouTube 12%
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Responsive Designs

Focusing on supporting deep learning
Allow for many ways of learning and delivery mechanisms

The Cloud can enhance teaching … but good teachers are the key!

Allow for many ways of learning and delivery mechanisms

Focusing on supporting deep learning
Increasing Integration with Youtube

Increase in test-based learning

Increase enforcing feedback during and after tests

Ever-changing “infinite” tests
Supportive environments with solutions to problems

Integration of advanced Web services (eg Language translator)

Automated conversion of books to Web site
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Tests Undertaken (Since creation of site)

- English: 24%
- Maths: 12%
- Biology: 10%
- Chemistry: 29%
- Computing: 6%
- Physics: 9%
- French: 29%
- History: 18%
- HFT: 6%
- Modern: 9%
Tests Undertaken (Last two weeks)

- English: 15%
- Maths: 5%
- Biology: 18%
- Chemistry: 14%
- Computing: 7%
- Physics: 12%
- French: 0%
- Modern: 5%
- History: 3%
- HFT: 21%
Engagement (Last two weeks)

- Modern
- HFT
- History
- French
- Computing
- Physics
- Chemistry
- Maths
- Biology
- English

Engagement

0 0.5 1 1.5
Scores for subjects (Maths)

**Maths (Expressions)**

- Significant Figures: 80%
- Subject: 80%
- Indices: 80%
- Multiplying Out: 80%
- Factorisation: 80%
- Completing the Square: 80%
- Gradient: 90%
- Circles: 90%
- Volume: 90%

**Maths (Relationships)**

- Straight Lines:
- Functional Notation:
- Linear Equations:
- Quadratic Equations:
- Inequalities:
- Changing the Subject:
- Solving Quadratic:
- Pythagoras Theorem:
- Trigonometric:
- Similar Shapes:
- Circle:
- Related Angles:
- Trigonometric:

Areas studied:
4. Milk is stored in a tank with a circular cross-section as shown below. The centre of the circle is O. MK is a chord of the circle. MK is 1.5 metres. The radius of the circle is 1.2 metres. Calculate the depth of the milk in the tank.

A) 1.14 m  
B) 3.14 m  
C) 2.14 m  
D) 4.14 m  

Depth of milk
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Increase enforcing feedback during and after tests
Knowledge-based subjects have more engagement on testing. Strong: Modern Studies, HFT, Computing, Biology, and Chemistry. Weaker: Maths, Physics.

Engagement and grades can vary widely in subjects.
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