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Using Technology to Engage and Support Student Learning with an Increasingly Diverse Student Cohort

Christian Lorenzen

School of Exercise Science

(Melbourne)

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My Objectives

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- Demonstrate technologies used to enhance and support student engagement and learning experience in EXSC198 Health, Fitness & Performance (Melbourne)
- Expose audience to at least one new technology that they may consider for their own teaching
- Discuss strengths and weaknesses of each technology

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- **Entry Score**
  - 2011 = 82.45
  - 2012 = 63
  - 2013 = 62
  - 2014 = 58.5

- **Student numbers**
  - 120 to 250/300

- **Student Success (EXSC198)**
  - 2012 = 25% fail rate
  - 2013 = 15% fail rate
  - 2014 = ?

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Images from Microsoft Office.com

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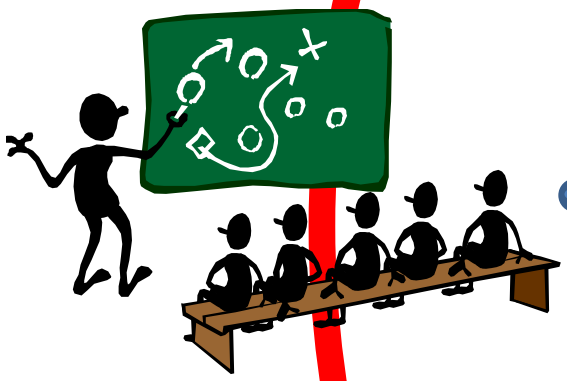
Discussion Boards

PASS Program



Real-Time Feedback

Early Low Risk Assessments

Pre-Recorded Lectures

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Real-time Feedback

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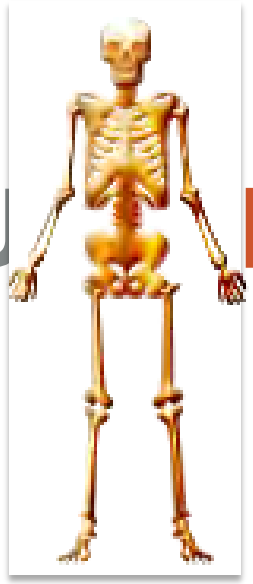

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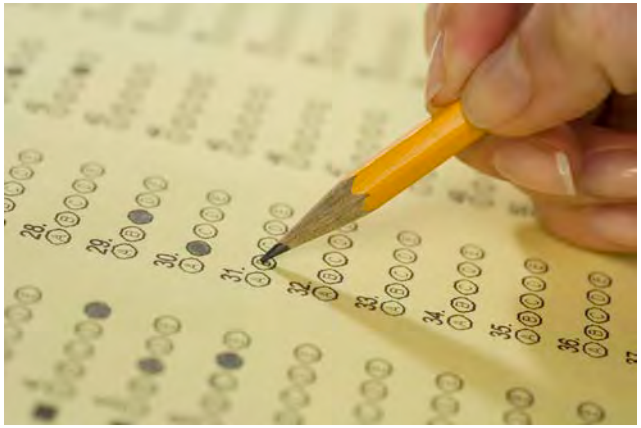
Picture Questions

Multiple Choice Questions



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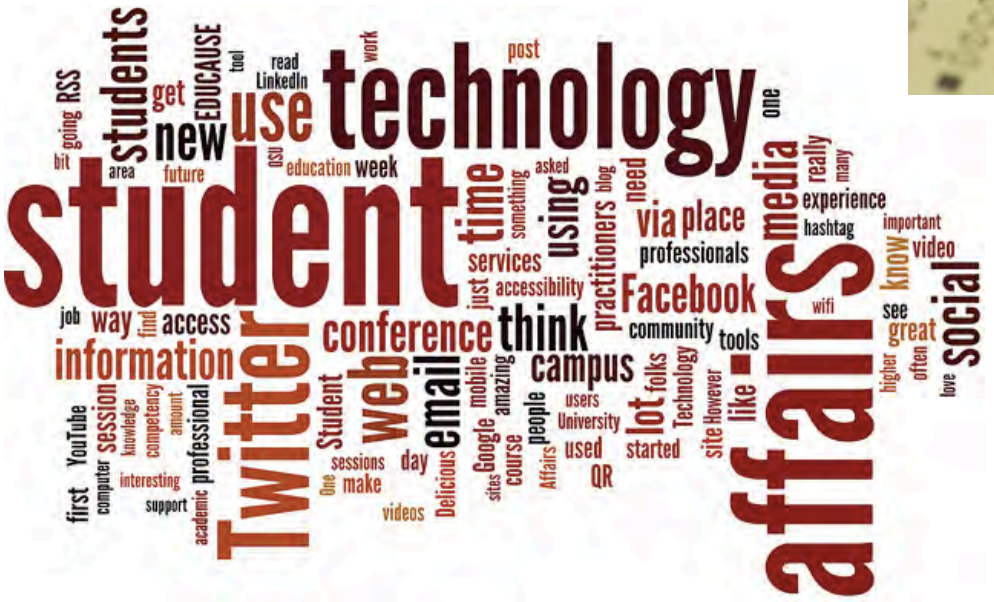

Word Clouds

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PollEverywhere

www.polleverywhere.com

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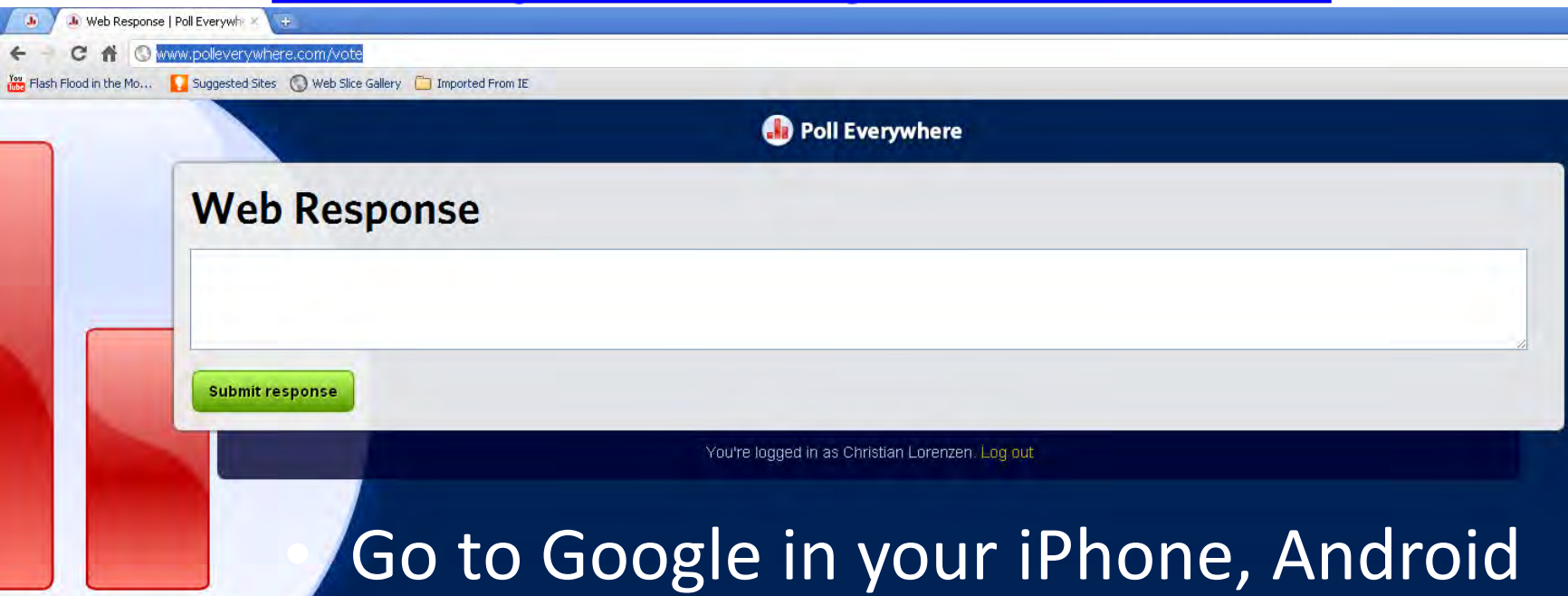

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https://www.polleverywhere.com/my/polls

Pre-Recorded Lectures

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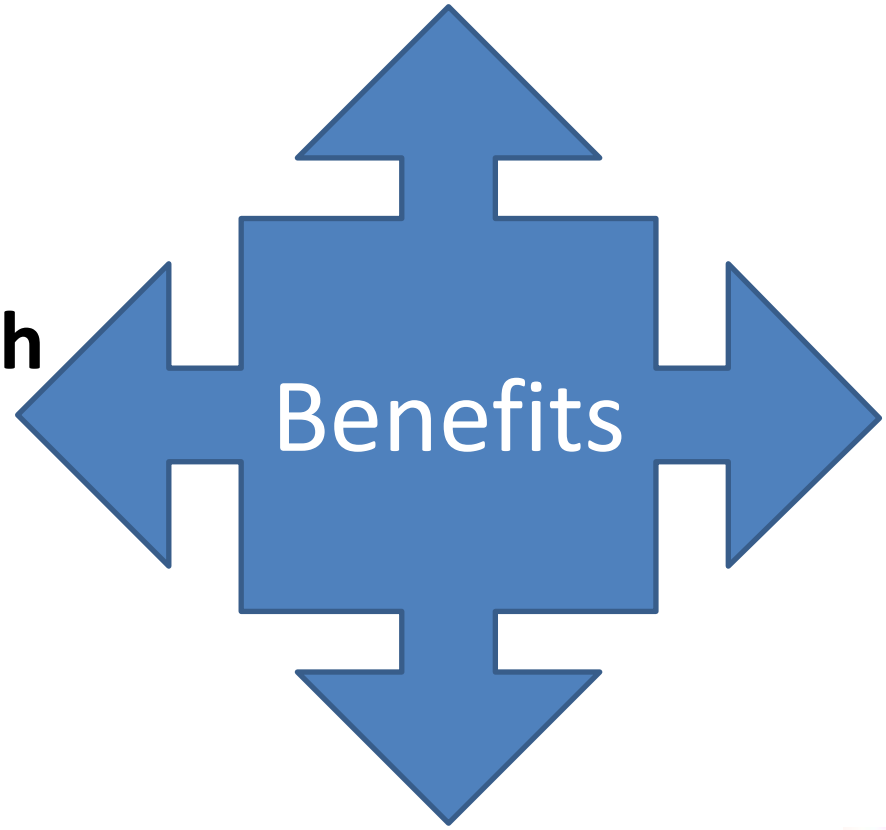
All Students

Students with disability



Low SES background

Part-time students

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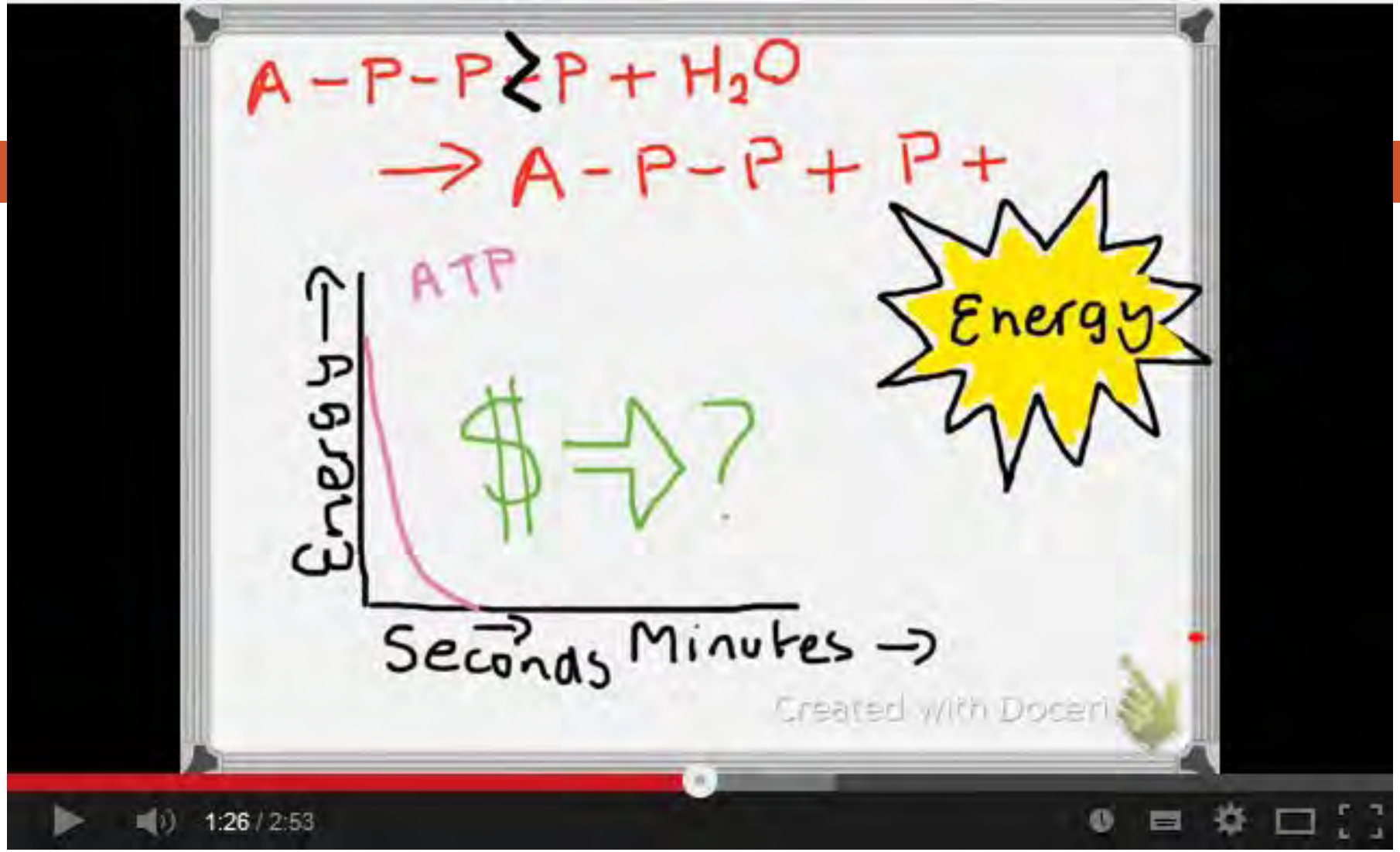

https://www.youtube.com/watch?v=8DBHuKAUGo0&feature=youtu.be

Doceri

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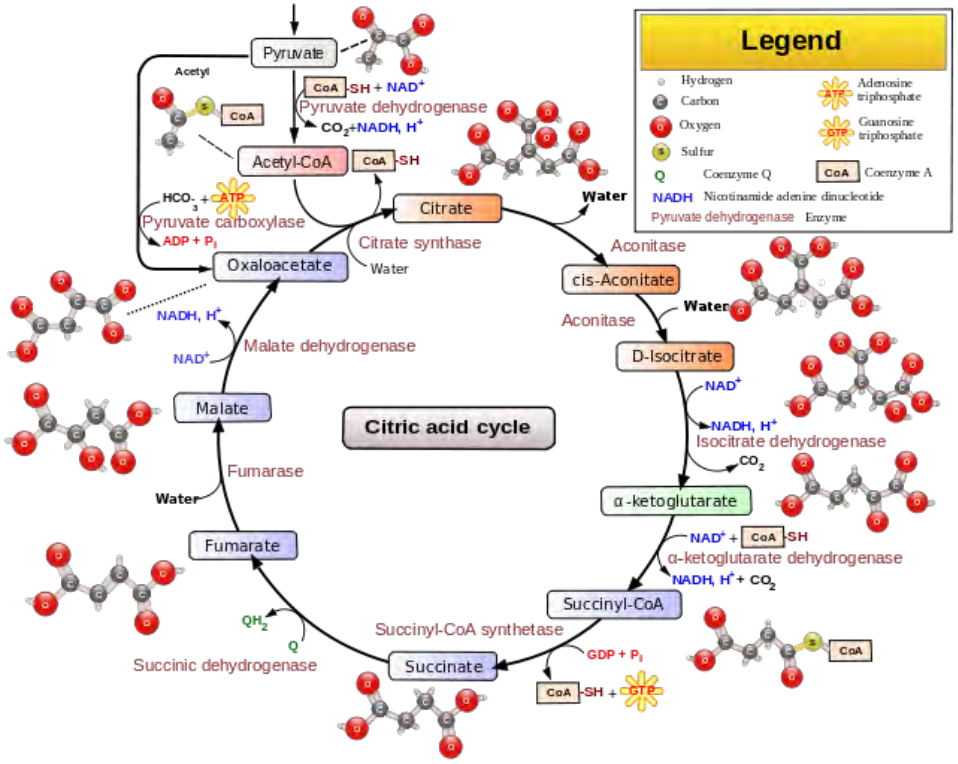
Pre-draw Diagrams



Retrieved: http://commons.wikimedia.org/wiki/File:Citric_acid_cycle_with_aconitate_2.svg

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https://www.youtube.com/watch?v=SObfSAw1zUs

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- http://www.tubechop.com/

http://www.tubechop.com/watch/1836689

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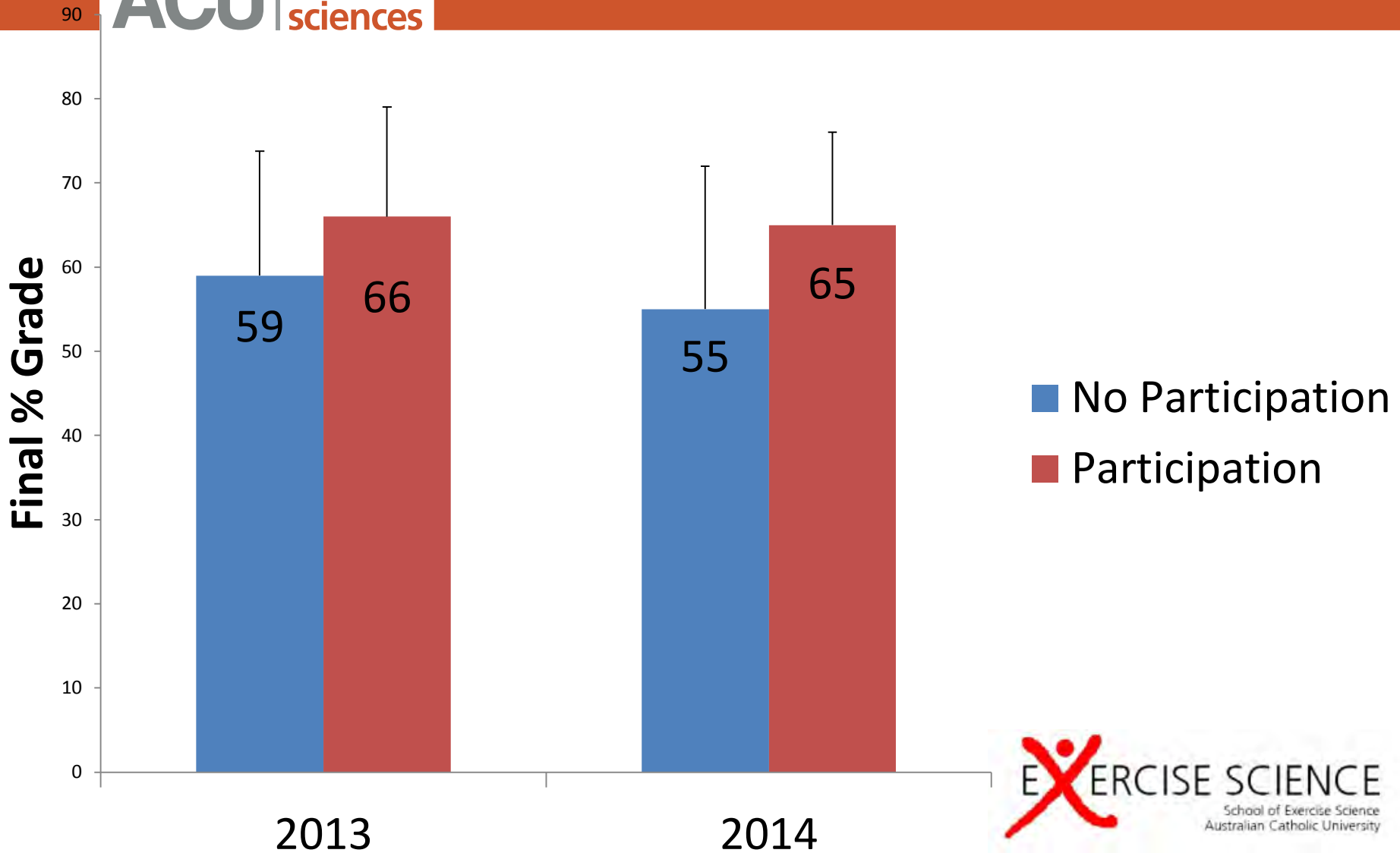
Communication Outside of Class

LEO Discussion Boards

Retrieved: http://www.clker.com/clipart-chat-room-1.html

Comparison of Final Percentage Mark for Students Participating Vs Not Participating on Discussion Board



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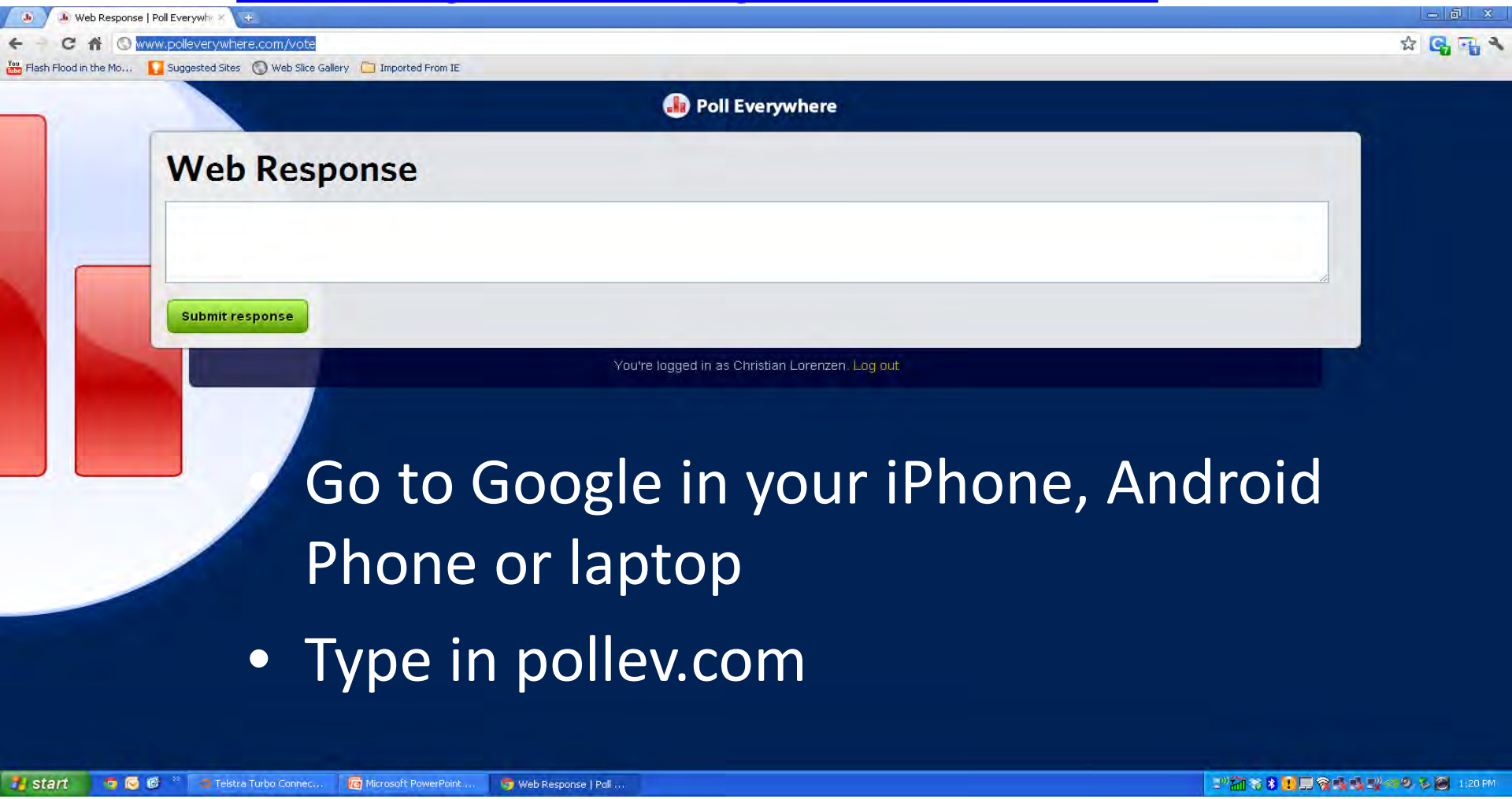

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