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Technology and Care to Promote Students' Success

Adnan Alrubaye

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Technology and Care to Promote Students’ Success

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Content of the Talk

• Why use technology
• Introduction
• Challenges
• Technology implementation
• Selected communication technologies
• Care impact
Introduction

University of Alberta
Benefits

- Time savings
- Cost savings
- Ability to give feedback
- No grading*
- Tech Support
- Any size class
The Voice of the Active Learner – Education From a Digital Native’s Perspective
“Technology is just a tool. In terms of getting the kids working together and motivating them, the teacher is the most important.”

–Bill Gates
Life of a College Student

- Enough Sleep
- Slacker
- Nerd
- Social Life
- Defies Laws of Physics
- Good Grades
- Zombie
Provides virtual environments, tools, and tasks for students to engage in simulations, problem-solving, collaborations and other learning activities that require students to use higher order thinking skills.

https://visualblooms.wikispaces.com/
Challenges

Instructor-based challenges:

• Management of noise
• Management of paperwork and assignments
• Memorizing students’ names
• Diversity of students’ academic backgrounds
Challenges

Instructor-based challenges:

• Limited classroom activities
• Limited number of office hours
• Attendance records
• Classroom Time management
Challenges

**Student-based challenges**

- Lack of participation
- Less engagement due to technology and/or distraction
- Communication issues

**Attention span**
How to improve students’ engagement

1. Use variety of teaching techniques:
   - PPT
   - Animations
   - Figures
   - Pictures
   - Music
How to improve students’ engagement

2. Attendance

• Encourage class attendance using incentives
• Class attendance using clicker
• Use information that students can only get in class
How to improve students’ engagement

3. Ask questions and provide incentives.
   - Clicker questions
   - Non clicker questions
How to improve students’ engagement

4. Instructor’s
   - Movement
   - Gesture
   - Eye contact,
   - Pause & recap
How to improve students’ engagement

5. Using real life examples
Support and care
Accessibility

What technology do the students have and how can that be utilized to expand their learning opportunities?
Technology & Careers
What technology will students use in future careers? Can these technologies be incorporated into the curriculum?
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http://c4lpt.co.uk/directory/top-100-tools/
Types of Technology:
• Remind
• Top Hat
• Blackboard exams
• Attendance Tools
• Learning Catalytics
• Mastering Biology
• Using Office365 in the Classroom
• iPad and Apple TV or Mirroring 360
In-Class Blackboard Exams
Benefits

- Time savings
- Cost savings
- Ability to give feedback
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Why use an Ipad?

- Engagement
- Modern technology
- Interactive
- Convenient
- Helps improve lecture delivery in large classrooms
- Improves teaching evaluations
Basics of using the Ipad with Apple TV in teaching

You will need:

- Ipad updated to the latest IOS
- Apple Pencil
- Apple TV or Mirroring360 app
- More details and tips can be given in a separate webinar
General tips

• Take time to introduce yourself and your syllabus very well on your first day
• Answer e-mails promptly
• Don’t use the board for writing. Instead write on the classroom computer screen
The take-away

• Using the right technology that matches students’ learning goals can create meaningful learning experience and impact student outcomes.
OH, SO YOU LIKED MY PRESENTATION?

THANK YOU FOR LISTENING. ANY QUESTIONS?
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