Classroom of the Future

Kristopher Mosser
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Overview

• Introduction
• Brief history of classroom technology at CSUF
• Current standard
• Future Prototype Classrooms
Introduction

• Over 8 years experience in higher education IT
  – Specifically supporting learning environments
• Current position
  – Project Manager – A/V Coordinator
  – Implementation of SSI funded classroom upgrades
Classroom Technology at Fullerton

- First generation smart classrooms
  - Cabinet based
  - Analog systems
    - PC, DVD/VCR, VGA cable
  - Limited connectivity
    - VGA or RCA only
  - Early LCD projectors
    - Low lumens
    - Poor color reproduction
Classroom Technology at Fullerton
Classroom Technology at Fullerton
Classroom Technology at Fullerton

• Different iterations of standard classroom technology
  – Bright Link projectors
    • Pen based, interactive projectors
  – Dual projection
  – Crestron based systems in SGMH
Classroom Technology at Fullerton
Classroom Technology at Fullerton
Current Standard

• Podium based
• 6000 lumens or brighter projectors
• Touch panel control
• Connectivity for VGA or HDMI laptops
• Local monitor
• Document camera
Current Standard

• Distributed audio
• Added connectivity for other A/V devices
• Apple TV (streaming wireless content)
Current Standard
Current Standard
Apple TV

• Current Apple TV deployment
  – iPad connectivity in classrooms
  – Currently restricted to Faculty/Staff Only

• Remaining rooms
  – Add to all GU classrooms
  – Including lecture halls

• Currently equipped in some conference rooms
Future Classrooms

• Wireless Connectivity
  – Apple TV and other BYOD enabling devices
  – Enable student collaboration over wireless
• Lecture capture
• Skype/GoTo Meeting
  – UVC compliant cameras
• Going green
  – Lighting and power management
Prototype Classrooms

• Active Learning
  – Movable furniture
  – Multiple displays
  – Charging stations
  – Moveable whiteboards
  – Speech reinforcement
  – Video conferencing
Prototype Classrooms
Collaborative Learning
Prototype Classrooms
Collaborative Learning
Prototype Classrooms
Active Learning
Prototype Classrooms
Active Learning
Questions
Thank You

We hope you enjoyed this session. Please help us to improve and turn in your survey.

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