

# Using Technology in Education to Inspire Innovation

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**HVTECHFESTIVAL**  
Technology Driven Economic Development

# Why use Technology in the Classroom?

- Technology can individualize instruction
- Technology can nurture creative expression
- Graduates will need to be proficient with technology in the world
- Technology can bring educational experiences to students that were previously unimagined.



# What is current in most classrooms?

- Learning Management System
- SmartBoard
- Computer/Tablet
- Projector



# Ed Tech Pros and Cons

## Pros

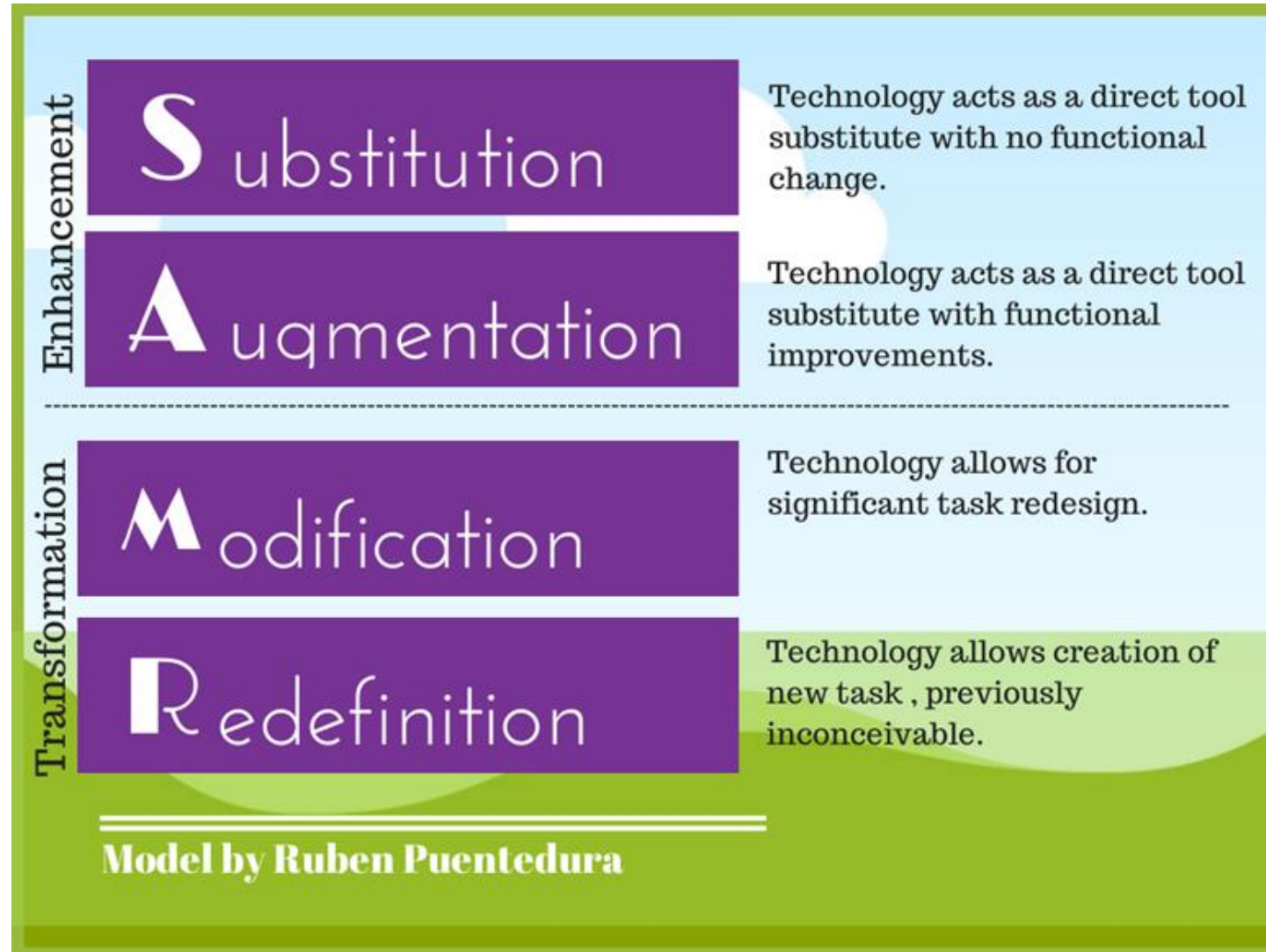
- Size and portability
- Plethora of Apps and Programs
- Engaging for students
- Most have good Battery Life
- Easy to use for current K-12 students
- Accessible for all
- Price (many are free)

## Cons

- Every school is different and has access to different technology
- Accessories are sometimes required
- Network connectivity a must
- Not all students have access to technology at home (Digital Divide)
- Storage
- Price (some have an associated cost)



# Model of Educational Transformation



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2019

# Technology In Education Trends for 2019



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2019

# Augmented and Virtual Reality

- Can encourage higher comprehension and retention rates in students
- Engages students
- Opens the door to educational opportunities that may not otherwise be possible



# Artificial Intelligence and Adaptive Learning

- Can personalize and streamline education
- Can give students and instructors helpful feedback
- Can give valuable time back to the instructor
- Can be valuable for student success



# Technology to Increase Student Engagement

- Use technology tools to promote student engagement
- Many times, technology will spark the curiosity and interest we're looking for in students
- Sometimes technology will help motivate students
- Gamification
- Game-Based Learning



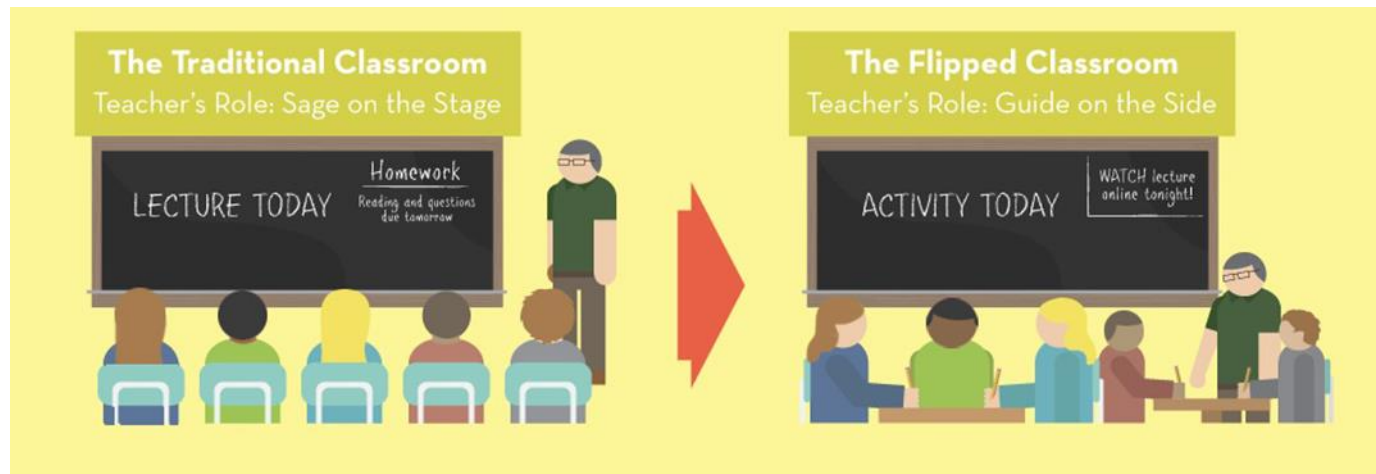
# Future of Educational Technology

- Learning Analytics
- Internet of Things
- Artificial Intelligence
- Data Science
- Future technologies



# At Marist

- Technology Enhanced Learning at Marist is unique due to the combination of cutting edge, integrated technologies, and best-in-class support
  - Cutting Edge, Integrated Technologies
    - Learning Management System - Supports the flipped classroom model, providing a location for the pre-class assignments
      - Integrates a variety of tools to facilitate learning both in and out of the classroom
      - Has a flexible design to support competency-based education
      - Includes tools to create active learning experiences online
      - Textbook integrations available
      - Supports both LTI and API integrations allowing a variety of cutting edge tools to be integrated into the classroom



# At Marist

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  - Cutting Edge, Integrated Technologies
    - Panopto - A secure video platform integrated into the Learning Management System
      - Faculty can create video-lectures that integrate active-learning strategies such as self-check quizzes
      - Faculty can live-stream a podcast style presentation
      - Students can create video reflections or video presentations
    - WebEx - A web-conferencing platform integrated into the Learning Management System
      - Faculty can run synchronous learning sessions with students virtually
      - Faculty can host virtual office hours
      - Students can collaborate on group projects
    - MUSE
      - Our Data Science team created a predictive analytics dashboard for faculty and students
        - Predicts success in a course as early as week 3
        - Alerts faculty with ample time for intervention



# Questions?

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