

A Simulate Classroom  
experience  
Preparing the 21<sup>st</sup>  
Century Teacher



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Melk, Austria

# Introduction



**Simulation-** is the imitation of the operation of a real-world process or system over time.

*(Banks, Carson, Nelson & Nicol ,2001).*



# Top Simulation Games 2016



# Film: Avatar (2009)



# Problem



⌘ How can we better prepare pre-service teachers for the classroom virtual prior to their clinical experience?

University of  
Central  
Florida

# teach live



# What is TeachLiveE?



- ⌘ Mixed-Reality Classroom
- ⌘ Simulated Students
- ⌘ Pedagogical Opportunity for Pre-Service & Service Teachers

(University of Central Florida, 2012)

# About TeachLiveE



- ∞ Bill & Melinda Gates Foundation
- ∞ Dr. Lisa Dieker (College of Education)
- ∞ Dr. Charles E. Hughes (College of Engineering & Computer Science)
- ∞ Dr. Michael Hynes (College of Education)

(University of Central Florida, 2012)

# Concentration Areas



- ☞ Middle School Classroom
- ☞ High School Classroom
- ☞ Kindergarten Classroom (In Development)
- ☞ EL Middle school (Limited Availability)
- ☞ Inclusive Middle School Classroom with Andre
- ☞ Inclusive High School Classroom with Martin and Bailey
- ☞ Adult Avatar - Stacy
- ☞ Adult Avatar - James

# Sean McGowan Age 14-18



## Sean's Personality Profile

- ☞  Aggressive Dependent
- ☞  Looking for teacher approval
- ☞  Over participates
- ☞  Grade sensitive
- ☞  Storyteller
- ☞  Dramatic



## Sean's Academic Profile

- ☞  Over achiever, but has to work extremely hard
- ☞  Average intellect/learner (A / B student with extra credit)
- ☞  Genuine enthusiasm and curiosity
- ☞  If he doesn't know what the plan is, he gets stressed (e.g. pop quizzes, etc.)
- ☞  Performance anxiety
- ☞  Testing anxiety
- ☞  Procedural learner

# Ed Lewis Age 14 - 18



## Ed's Personality Profile

- ☞  Passive Dependent
- ☞  Looking for Teacher approval
- ☞  Inattention/sleepy
- ☞  Guardian / protector personality type
- ☞  Peacemaker
- ☞  Strong sense of personal integrity
- ☞  Practical thinker

## Ed's Academic Profile

- ☞  Diligent and detail-oriented
- ☞  Excels at math and concrete logic
- ☞  Great memorization skills
- ☞  Struggles with literature, abstract thinking, and creative projects



# Maria Gonzalez Age 14 -18



## Maria's Personality Profile

- ☞  Passive Independent
- ☞  Introverted
- ☞  Reserved
- ☞  Skeptical

## Maria's Academic Profile

- ☞  Highly gifted
- ☞  Excels in all subjects
- ☞  Favorite subjects are Math and Art
- ☞  She has several AP classes on her schedule
- ☞  In her senior year she is planning dual enrollment at the local college



# Cynthia Jean “CJ” Harper Age 14 - 18



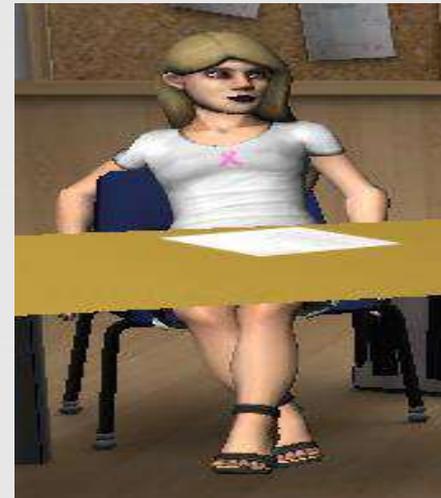
## CJ's Personality Profile

- ☞  Aggressive Independent
- ☞  Tends to dominate peers
- ☞  Looking to bait the teacher
- ☞  Looking for respect
- ☞  Likes to date

☞

## CJ's Academic Profile

- ☞  She struggles in most subjects.
- ☞  Has excellent oral argument and logic skills.
- ☞  Is doing poorly in most subjects and is in danger of dropping out.
- ☞  She is more likely to act out than to admit that she doesn't know something.



# Kevin Jordan Age 14 - 18

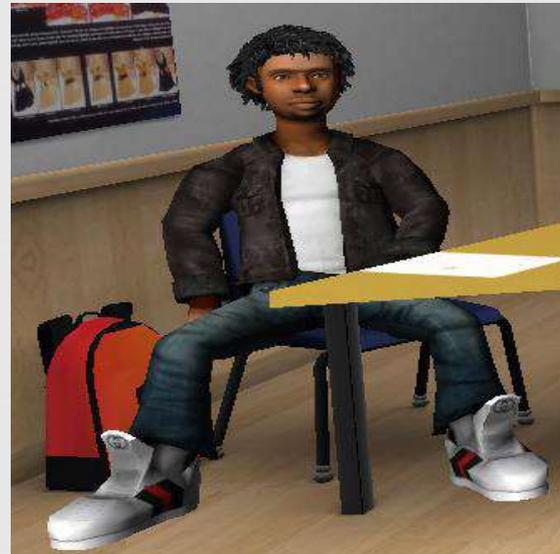


## Kevin's Personality Profile

- ☞  Aggressive Dependent
- ☞  Seeking peer approval
- ☞  (especially from CJ)
- ☞  Talkative
- ☞  Charming
- ☞  Not competitive
- ☞  Out-of-the-box thinker
- ☞  Artistic

## Kevin's Academic Profile

- ☞  Low motivation for assigned school work.
- ☞  Lack of attention to detail and failure to read directions undermines academic work
- ☞  Enjoys assignments where he gets to choose his own topic or medium.
- ☞  Would prefer to make a video, stage a sketch, or write a song to a traditional writing or presentation formats.



# How it Works



[https://www.youtube.com/watch?v=\\_9VVAFW1Rx8](https://www.youtube.com/watch?v=_9VVAFW1Rx8)

# Partners



- ☞ [Alexandria City Public Schools](#)
- ☞ [Asbury University](#)
- ☞ [Buffalo State College](#)
- ☞ [California Polytechnic State University \(Cal Poly\)](#)
- ☞ [California State University at Northridge](#)
- ☞ [College of William & Mary](#)
- ☞ [Florida State University](#)
- ☞ [Houston Independent School District](#)
- ☞ [Howard University](#)
- ☞ [Illinois State University](#)
- ☞ [Indian River State College](#)
- ☞ [Kennedy-Krieger Institute](#)
- ☞ [Kennesaw State University](#)
- ☞ [Kent State University](#)
- ☞ [Knowledge Point Educational Consultant \(United Arab Emirates\)](#)
- ☞ [Lake County School District](#)
- ☞ [Miami University of Ohio](#)
- ☞ [MidAmerica Nazarene University](#)
- ☞ [Minnesota State University - Mankato](#)
- ☞ [Northwest Nazarene University](#)
- ☞ [Old Dominion University](#)
- ☞ [Pace University](#)
- ☞ [Rowan University](#)
- ☞ [School District of Osceola County](#)
- ☞ [Shippensburg University](#)
- ☞ [South Campus School, New Connections Academy](#)
- ☞ [Southeastern Louisiana University](#)
- ☞ [Southern Illinois University Edwardsville](#)
- ☞ [Southern Methodist University](#)
- ☞ [Southern University and A&M College](#)
- ☞ [St. John Fisher College](#)
- ☞ [St. Leo University](#)
- ☞ [State University of New York \(SUNY\) New Paltz](#)
- ☞ [Texas A&M International University](#)
- ☞ [Texas Woman's University](#)
- ☞ [University of Central Florida](#)
- ☞ [University of Central Missouri](#)
- ☞ [University of Idaho](#)
- ☞ [University of Kansas](#)
- ☞ [University of Maryland](#)
- ☞ [University of Mississippi \(Ole Miss\)](#)
- ☞ [University of Toledo](#)
- ☞ [University of West Florida](#)
- ☞ [University of West Georgia](#)
- ☞ [University of Wisconsin - Milwaukee](#)
- ☞ [Utah State University](#)
- ☞ [Valley City State University](#)
- ☞ [West Virginia University](#)
- ☞ [Western](#)

# TeachLiveE



<https://www.youtube.com/watch?v=JTERwjpicYw>

<https://www.youtube.com/watch?v=GBvYVfmg5BI>

Thank You!  
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