## Assessment? #%&!

Why Traditional Assessment Takes the Fun out of Game Design

**Tracy Fullerton** 

Associate Professor
USC School of Cinematic Arts
Interactive Media Division





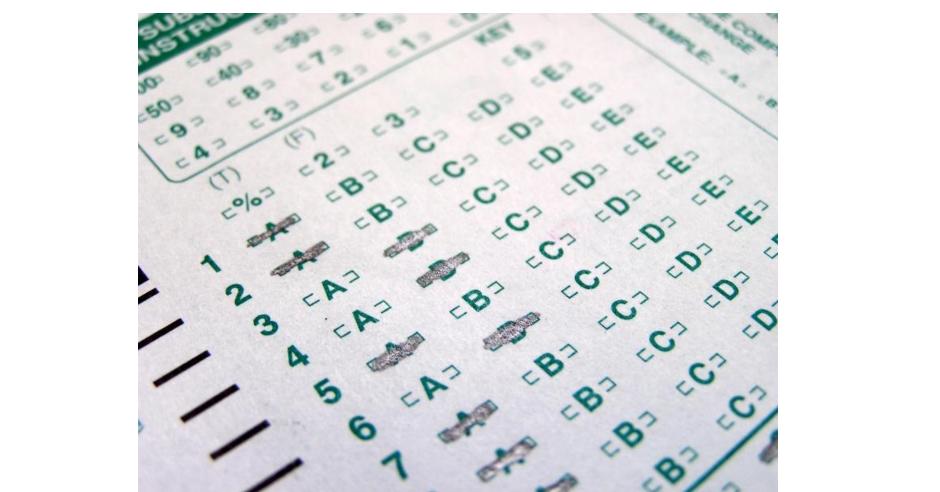
\$400 \$400 \$400 \$400 \$400 \$400 \$500 \$500 \$500 \$500 \$500 \$500

answered CORRECTLY











Classroom photo, 2010.



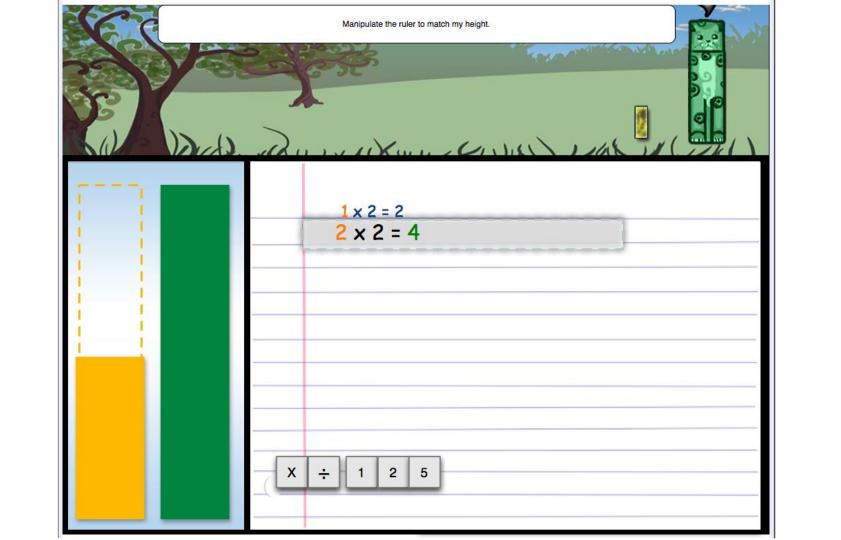
Classroom photo, 1910.

An ideal assessment should provide **valid**, **reliable**, **and actionable information** about students' learning and growth that allows teachers, students, administrators, and parents to utilize the information in meaningful ways.

#### Reality of Traditional Assessment

- Validity issues
  - Measurements not made in meaningful contexts
- Not keeping pace with needs of a complex world
  - No measurement of 21<sup>st</sup> century skills: problem solving, creative, critical, collaborative and systemic thinking
- Rarely influences instruction or learning
  - Measurement at single point in time
  - No diagnostics, support for deeper learning





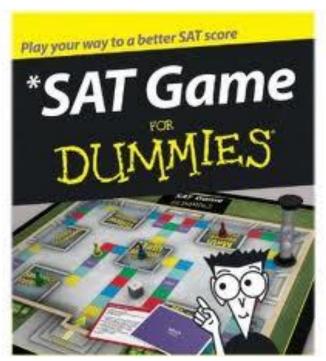
# Yes, and ...











#### FAMILY FINANCES \$ SINGLE PARENT HOUSEHOLD, LESS **CHARACTER** MISUNDERSTOOD ARTIST THAN \$20,000 A YEAR FAMILY FINA YOUR WORK SPEAKS FOR ITSELF. REGARDLESS OF THE MEDIUM. FOR YOU. \$\$\$ ART IS MORE THAN A HOBBY, IT IS A FORM OF EXPRESSION. YOU CAN USE FINE ARTS CARDS IN PLACE OF ACADEMICS CARDS. CHARACTER SUPER JOCK YOU'RE THE PERSON WHO SHINES IN ANY ATHLETIC ENDEAVOR. ANY SEASON, ANY POSITION, YOU MAKE A NAME FOR YOU CAN USE ATHLETICS CARDS IN PLACE OF

# PRODUCTIVITY FOCUSED!

YOU'RE GETTING STUFF DONE, CHECKING IT OFF THE LIST.

TWO PARENT HOUS THAN \$60,000 A YEA TAKE 6 ACTIONS

ACTIONS CAN BE USED TO DO THE FOLL

PRODUCTIVITY COMPUTER CRASH!

YOUR FAMILY COMPUTER CRASHED THIS WEEK AND YOU LOST IMPORTANT FILES.

TAKE 3 ACTIONS

ACTIONS CAN BE USED TO DO THE FOLLOWING

- LEVELING CARDS
   PLACING CARDS IN APPLICATION ENVELOPES TURNING APPLICATION ENVELOPES INTO THE
- DRAWING NEW CARDS

 PLACING CARDS IN APPLICATION ENVEL TURNING APPLICATION ENVELOPES INTO THE

- DRAWING NEW CARDS









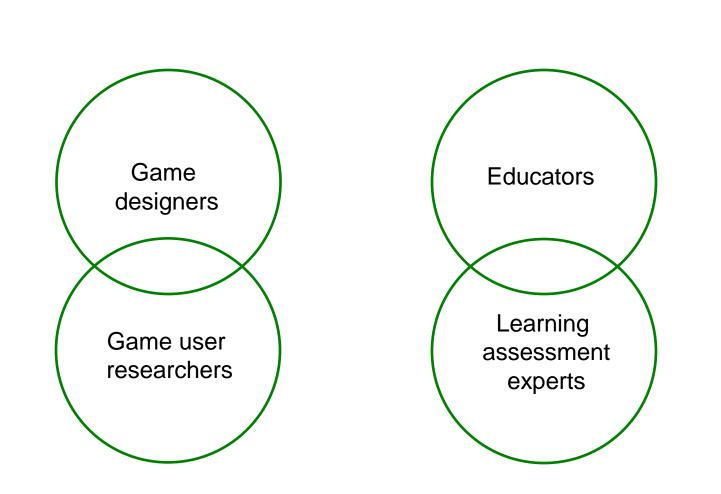




#### Gates/MacArthur/USC "Games, Learning and Assessment" Workshop, Jan 2011







**Games User Researcher** 



## The process: break out groups

- Literacy
- Pre-algebra and Refractions
- Balanced Assessment
- College Knowledge as a Collective Endeavor
- Civics and the Skills of Public Participation
- Systems Thinking
- Creativity
- Digital Literacy
- Choicelets

### The process: exit interviews

"Games are a game-changer for learning ...and ESPECIALLY for assessment!"

"Game design should be required background for anyone seeking to be involved in education."

"Good game design requires thinking from many different perspectives."

"As a k12 person, I was knocked out by how productive the game-based conversations were. A real problem-solving enterprise!"





describe. Christopher Alexander,

We are searching for some kind of

context which we cannot properly

harmony between two intangibles: a form

which we have not yet designed and a

Notes on the Synthesis of Form

# Thank you!