



**Serious Games
Simulations**

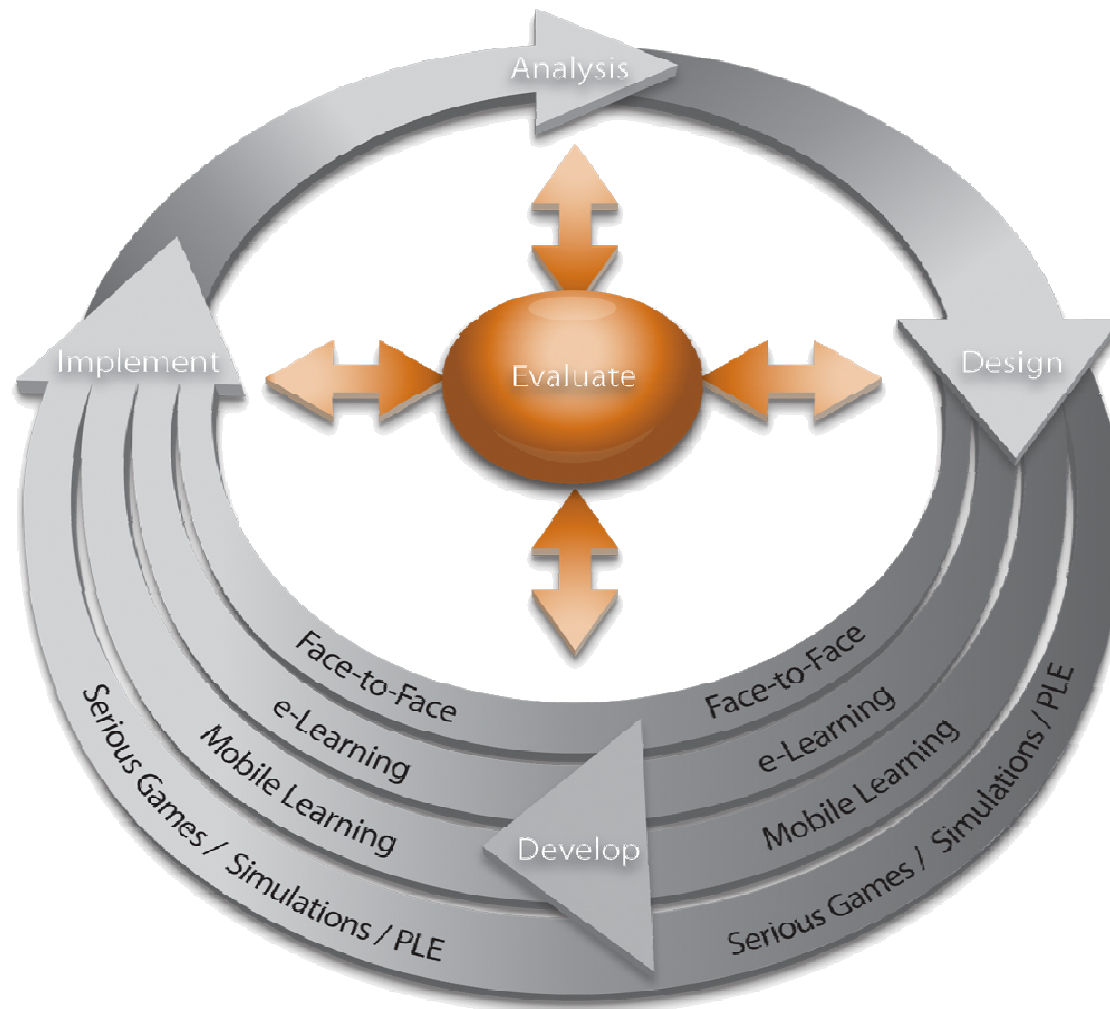
What we will discuss today...

- Instructional approach/design
 - Interactivity
 - Methods
 - Complexity
- A little background
- Continuum between games, serious games, and simulations
- Demonstrations
- Discussions



Instructional Approach/Design

Our Blended Solution is rooted in sound Instructional Design

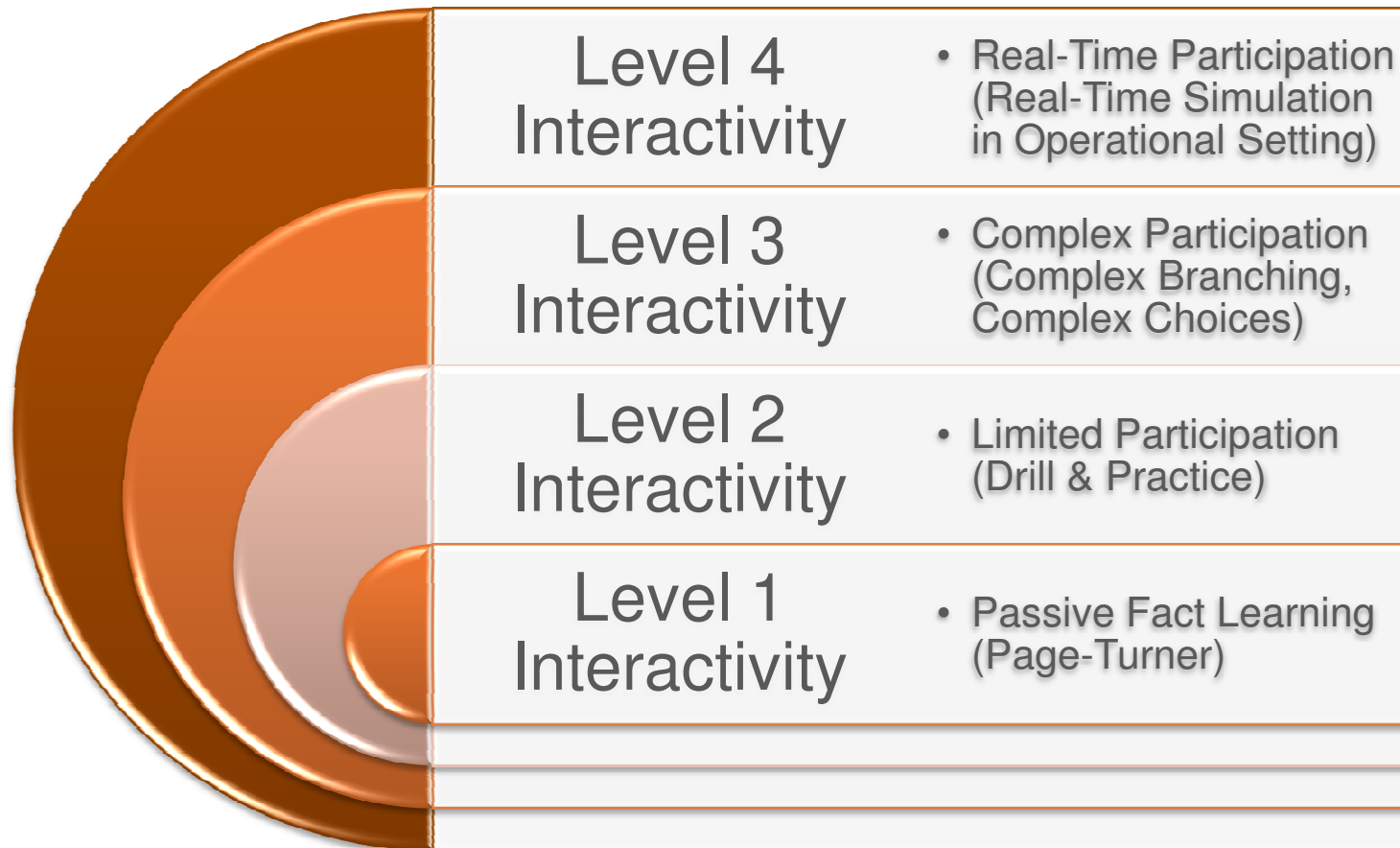


What are the “kinds” of cognitive learning?

Bloom tells us...

Creating	•arrange, assemble, collect, compose, construct, create, design, develop, formulate, manage, organize, plan, prepare, propose, write
Evaluating	•appraise, argue, assess, attach, choose compare, defend estimate, judge, predict, rate, core, select, support, value, evaluate
Analyzing	•analyze, appraise, calculate, categorize, compare, contrast, criticize, differentiate, distinguish, examine, experiment, question
Applying	•apply, choose, demonstrate, dramatize, employ, illustrate, interpret, operate, practice, schedule, sketch, solve, use, write
Understanding	•classify, describe, discuss, explain, express, identify, indicate, locate, recognize, report, restate, review, select, translate
Remembering	•arrange, define, duplicate, label, list, memorize, name, order, recognize, relate, recall, repeat, reproduce state

Levels of Interactivity



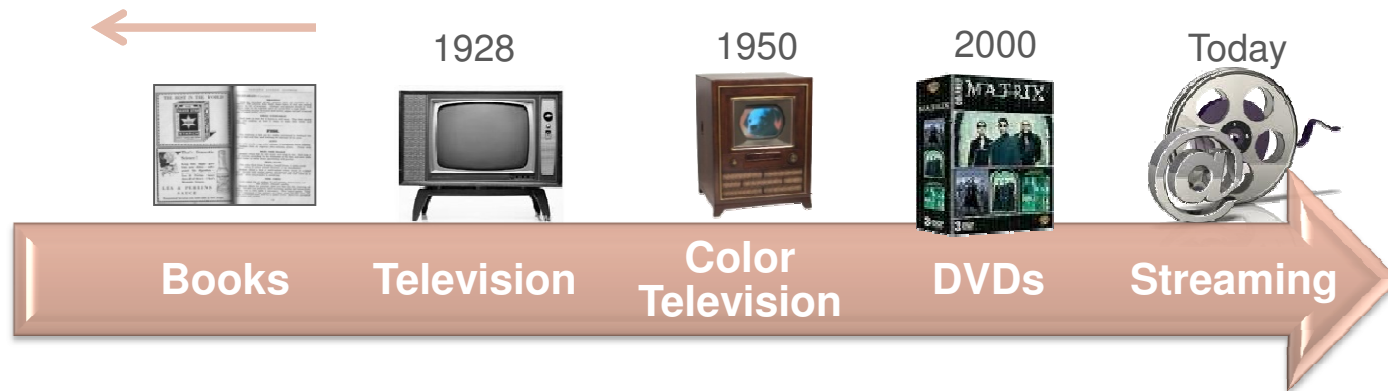
A little background...

Who we are dealing with?



An arsenal of consumer electronics

Do we understand who we are dealing with?





Game Knowledge

The average game player is
age 34

(26% of gamers are over age 50)

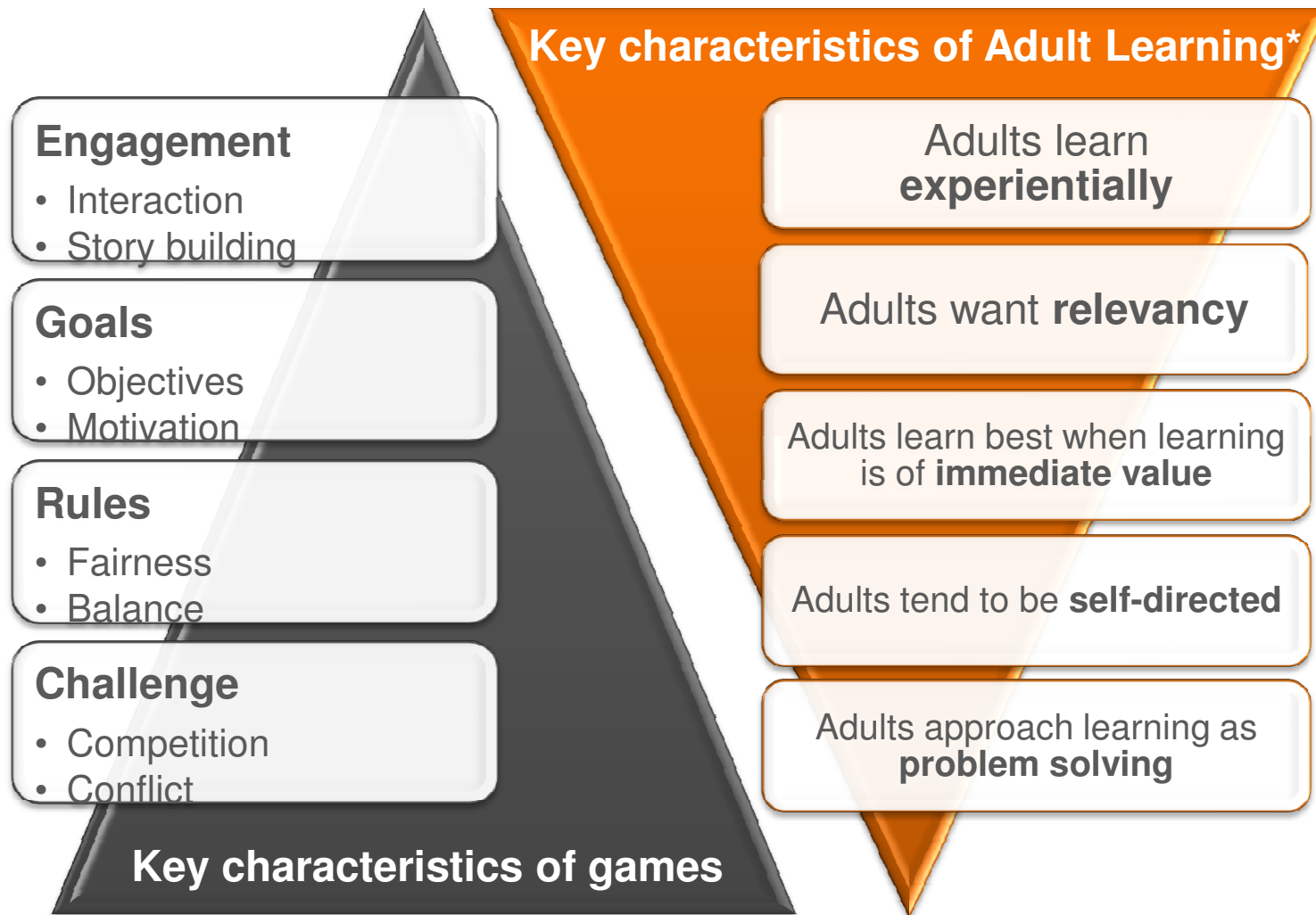


Game Knowledge

53% of American Adults
play video games

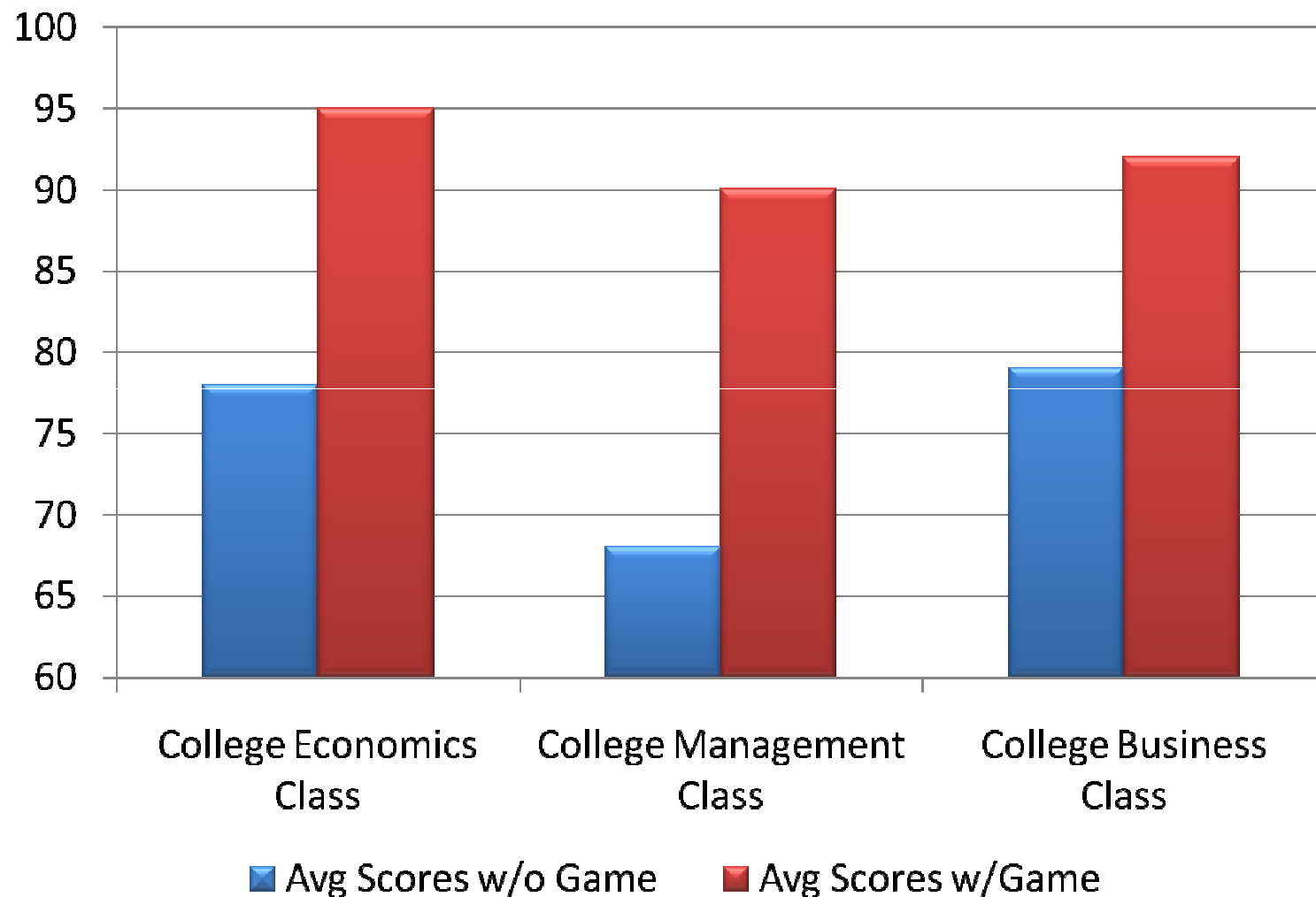
20% play every day

Game and learning characteristic are complimentary



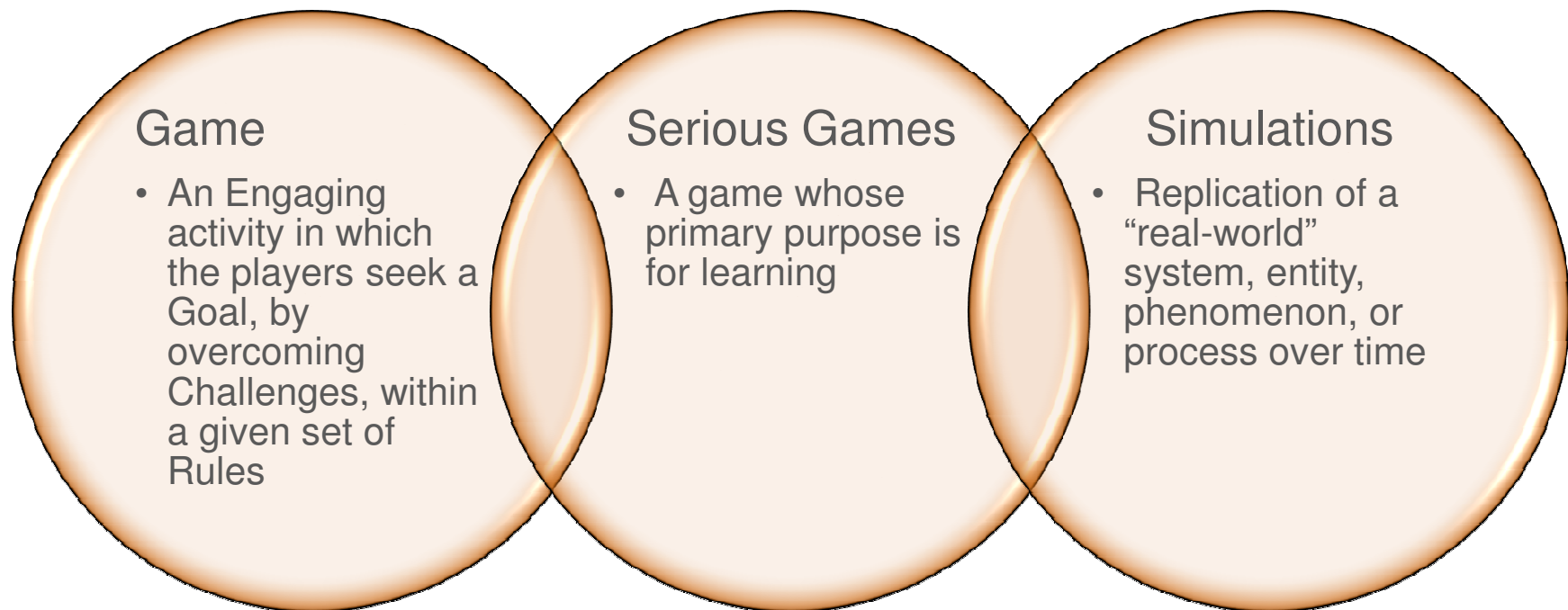
*Knowles, M. S. (1970). *The modern practice of adult education: From pedagogy to andragogy*. Englewood Cliffs: Prentice Hall.

Results of three studies show it can work

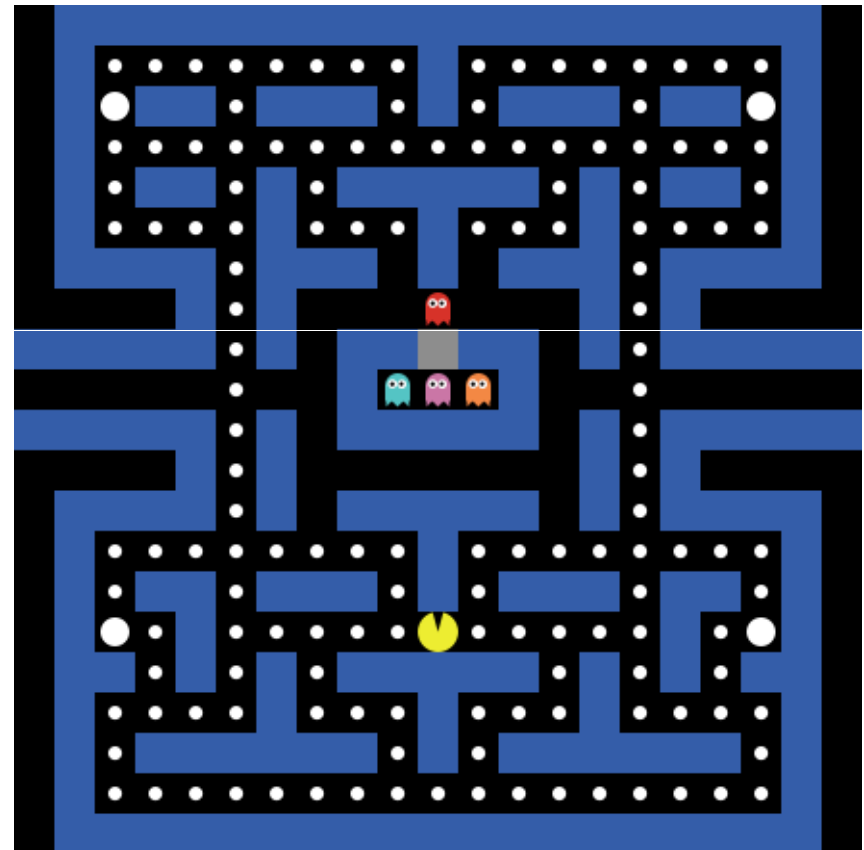


Blunt, R. (2007). Does Game-Based Learning Work? Results from Three Recent Studies. *Interservice/Industry Training and Simulation Education Conference (I/ITSEC) 2007* (pp. 2007 Paper No. 7172 Pages 1 - 11). Orlando, FL: National Training and Simulation Association.

Continuum between games, serious games, and simulations

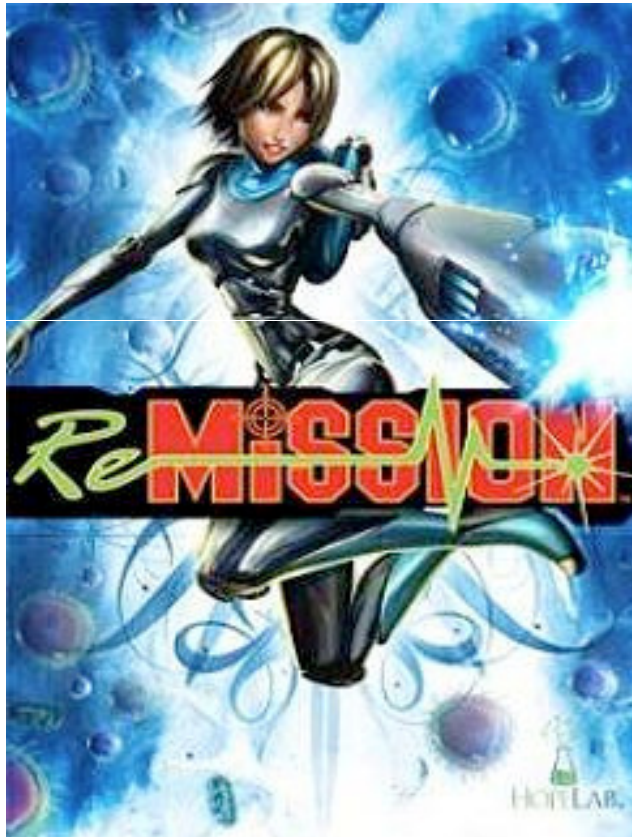


Game: An Engaging activity in which the players seek a Goal, by overcoming Challenges, within a given set of Rules

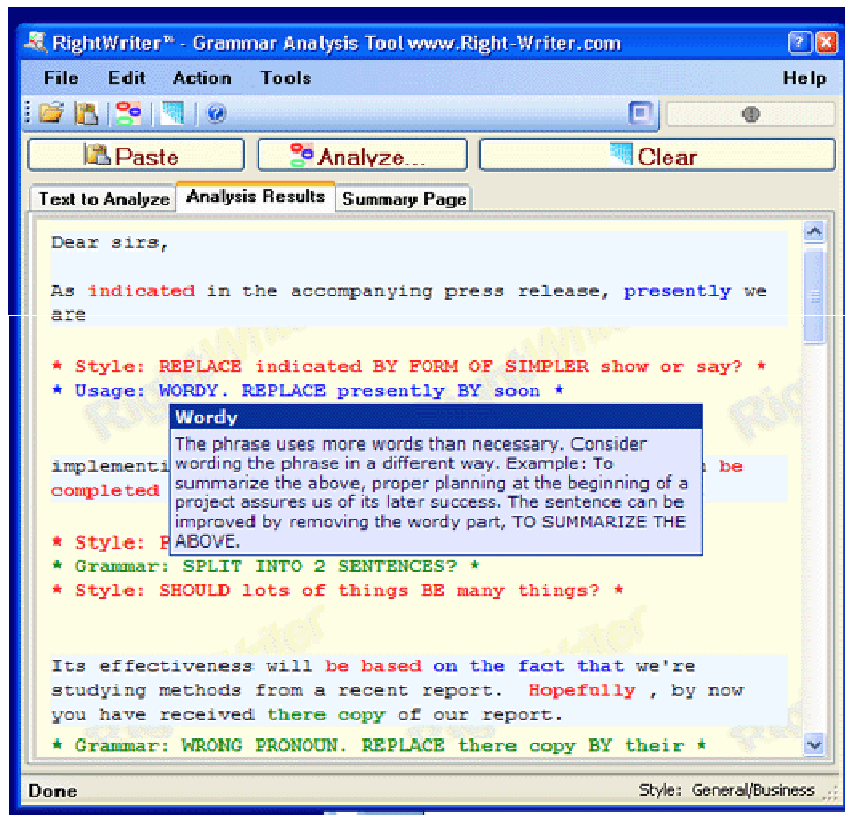


Serious Games:

A game whose primary purpose is for learning



Simulations: Replication of a “real-world” system, entity, phenomenon, or process over time



Demonstrations

Next steps...

