

Instructional Gaming

Presented by MATEC NetWorks









NetWorks is a part of MATEC, a member of the Center for Workforce Development in the Division of Academic and Student Affairs.



Funded, in part, by a grant from the National Science Foundation. DUE-0501626





Presenter

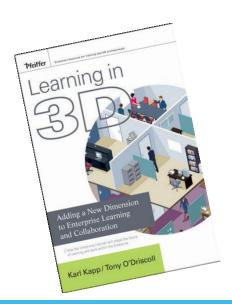


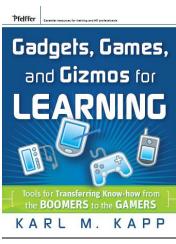
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Author, Professor-Instructional Technology

Bloomsburg University

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Agenda



How did we get to this point? Why are we here?







How do games impact learning, are they effective tools for transferring knowledge?

Are games instructional/educational?































Almost 43% of the gamers are female and 26% of those females are over 18.



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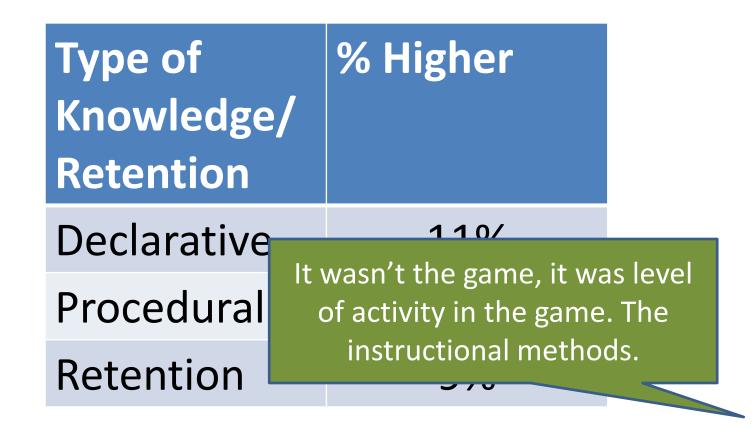


Females play 5 hours a week of console games. They make up the majority of PC gamers at 63%.

Percentages of Impact

Type of	% Higher
Knowledge/	
Retention	
Declarative	11%
Procedural	14%
Retention	9%

Percentages of Impact



Poll Question

(Click on the correct answer button above the Participants' Box)

Which builds more confidence for on the job application of learned knowledge?

A. Classroom instruction

B. Simulation game

C. Neither are beneficial





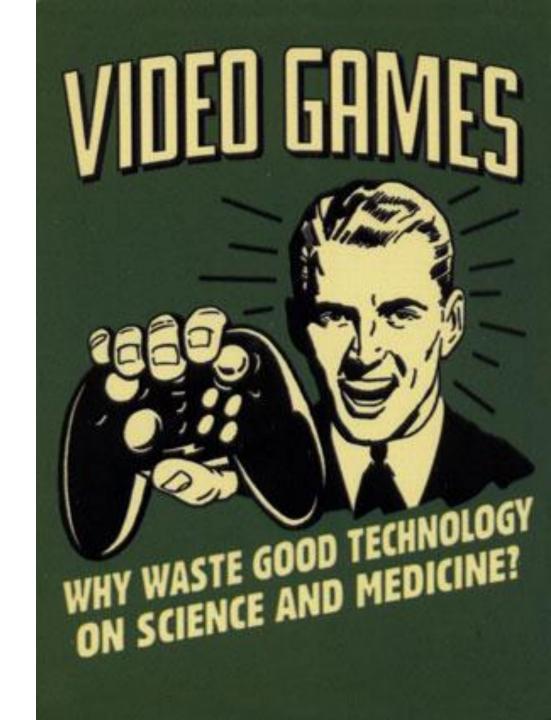


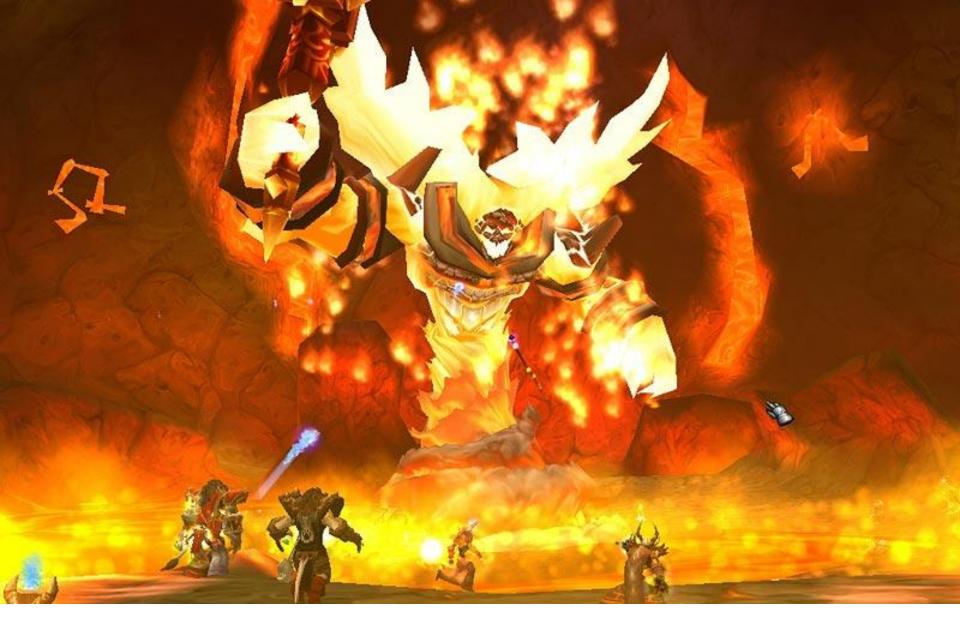


Using game-based mechanics, aesthetics and game thinking to engage people, motivate action, promote learning, and solve problems.

Games

- 1. Provide a Challenge
- 2. Tell a Story
- 3. Be a Strategy Guide
- 4. Appeal to All Player Types
- 5. Provide Feedback
- 6. Award Experience Points
- 7. Add Cooperation and Competition





#1 Provide a Challenge

Reach Oregon



From Independence it is 102 miles to the Kansas River crossing.

Date: April 1, 1848

Weather cool

Health: good

Food: 800 pounds

Next landmark: 102 miles

Miles traveled: O miles

Press SPACE BAR to continue



From Independence it is 102 miles to the Kansas River crossing.

Survive!

Date: April 1, 1848

Weather: cool

Health: good

Food: 800 pounds

Next landmark: 102 miles

Miles traveled: O miles

Press SPACE BAR to continue

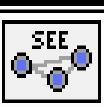


<u>Game Options Acme Dossiers</u>

















Can this group solve the challenge?

Do they know what tools to use?

Proposal Challenge

- Examine a problem
 - Evidence
 - Research
 - Observation
- Proposal a solution
 - Written
 - Presentation



Solution #2: Tell a Story





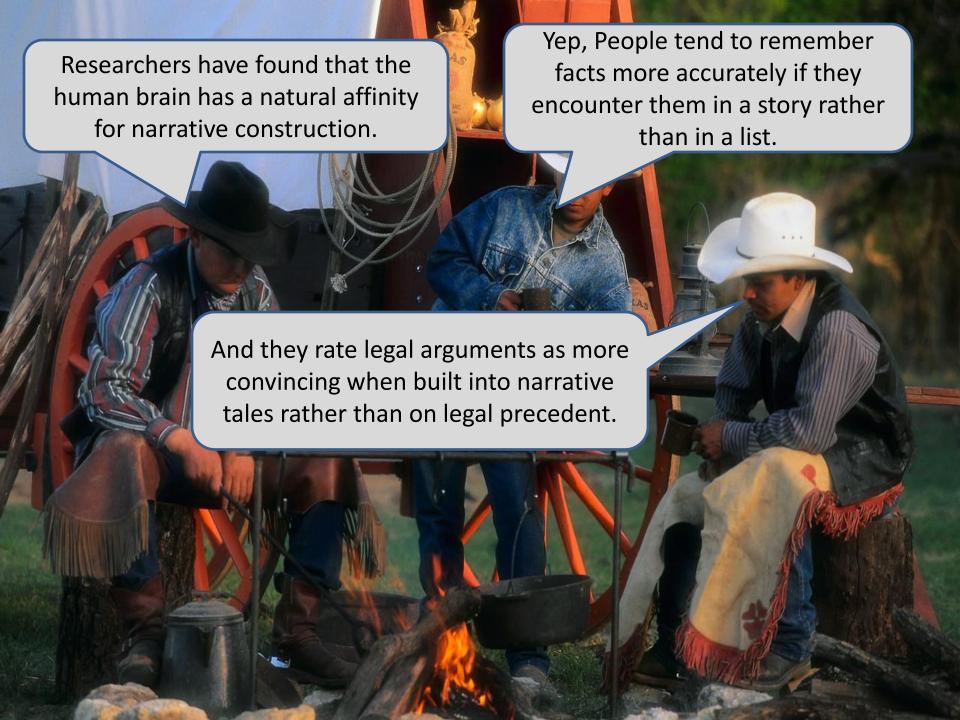




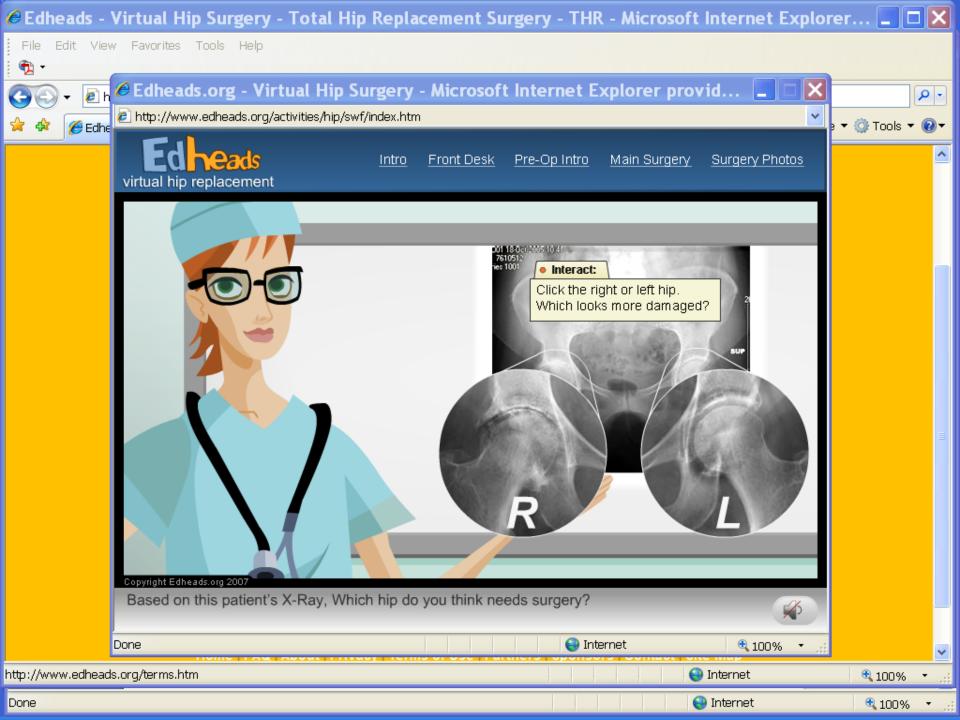


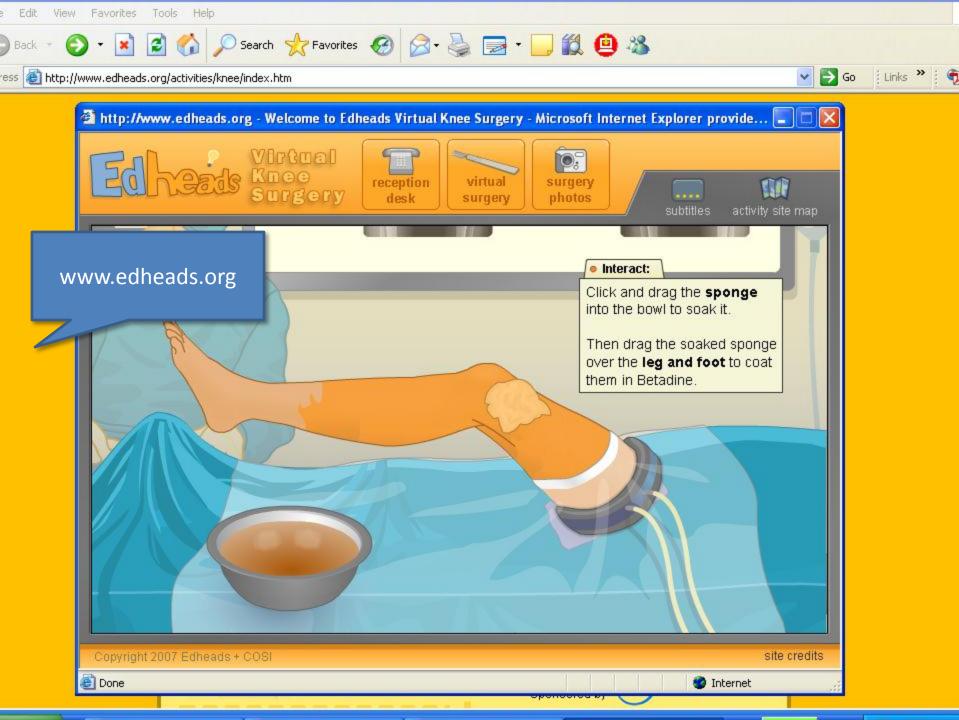
thing to do.

Close this Window











Stories Need

1. Characters		
2. Plot (something has to happen).		
3. Tensíon		
4. Resolution	Character encounters problem	
5. Conclusion	Problem builds tension	
	Results are presented/positive	
		-









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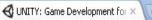
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Solution #3: Be a Strategy Guide

Hints, Tips and Guidance

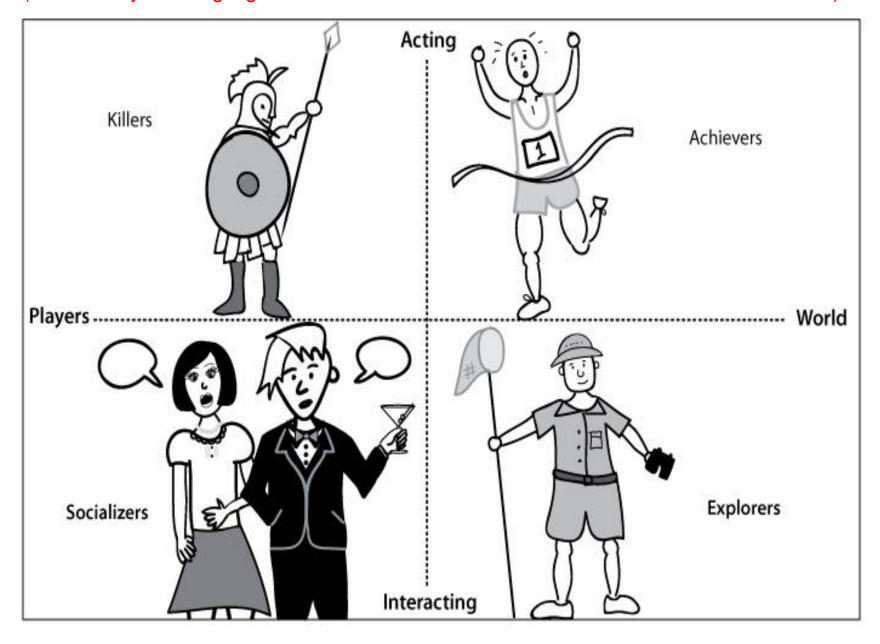
3 Levels

- -Vague Hint -Specific Hint -Answer

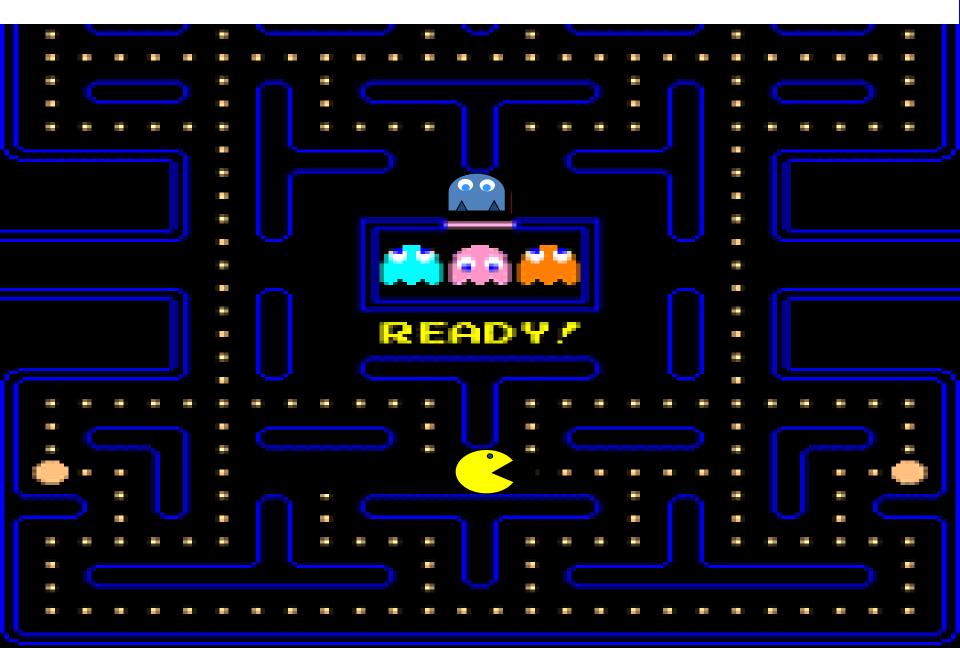


Solution #4: Appeal to All Player
Types

(Select the yellow highlighter tool on the left and ink color below to draw on the screen)



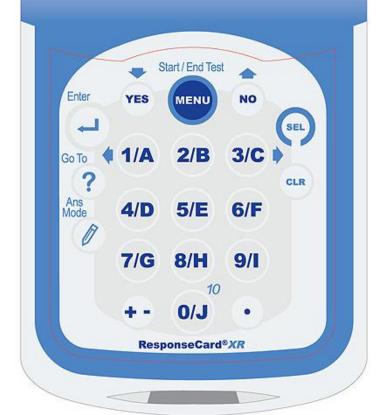
Solution #5: Provide Feedback







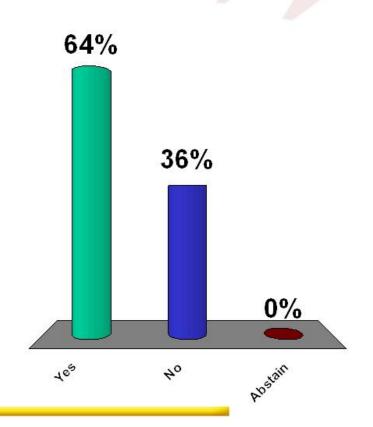
Send User Data Presentation Test/Homework Change Channel





Do you think the overall scope of work was feasible?

- 1. Yes
- 2. No
- 3. Abstain



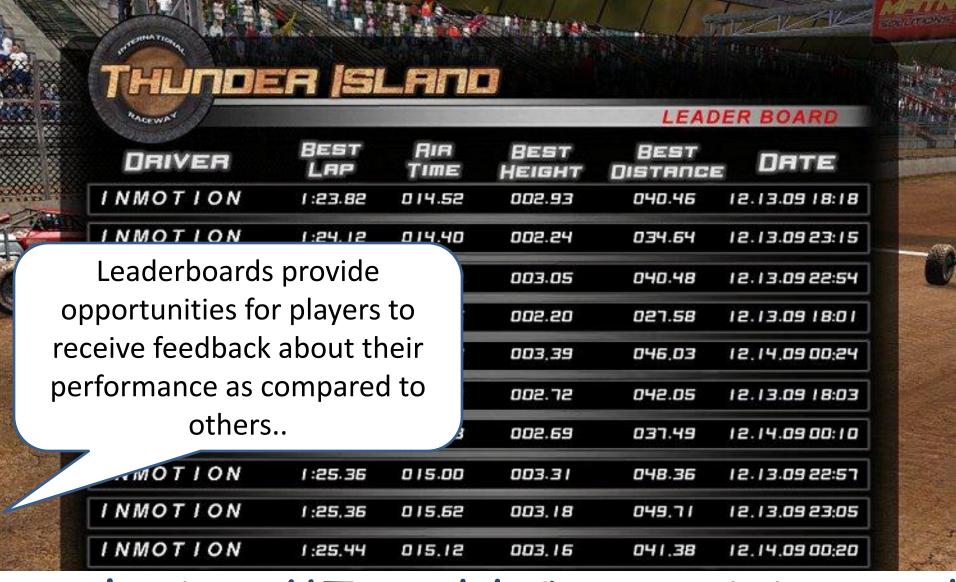
Peer-to-Peer





Solution #6: Award Experience Points





Solution #7: Add Competition and Cooperation

Use Small Group Exercises











Summary



How did we get to this point? Why are we here?



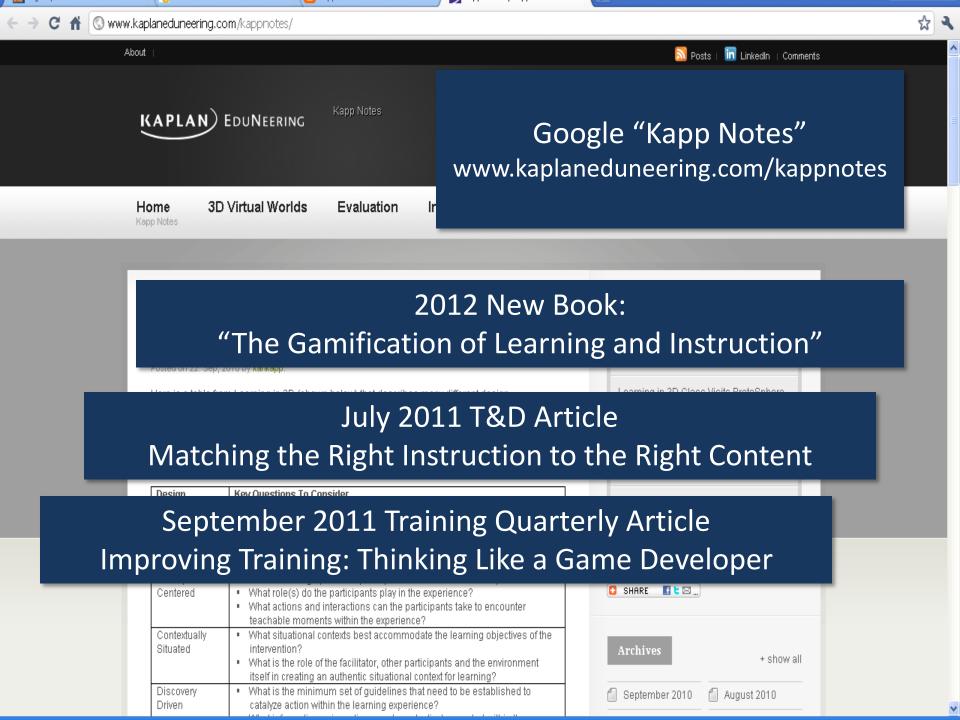




How do games impact learning, are they effective tools for transferring knowledge?

Are games instructional/educational?

Tell 3 people 3 different things you learned from this presentation!



Questions/More Information

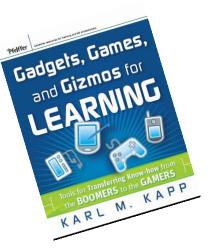
- http://www.kaplaneduneering.com/kappnotes/
 - Recommended books
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Gadgets, Games and Gizmos for Learning

- www.gadgetsgamesandgizmos.com
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Look for "The Gamification of Learning and Instruction" this Spring









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