# Not quite video games: Electronic simulations for teacher education

## Rose Chu Metropolitan State University rose.chu@metrostate.edu

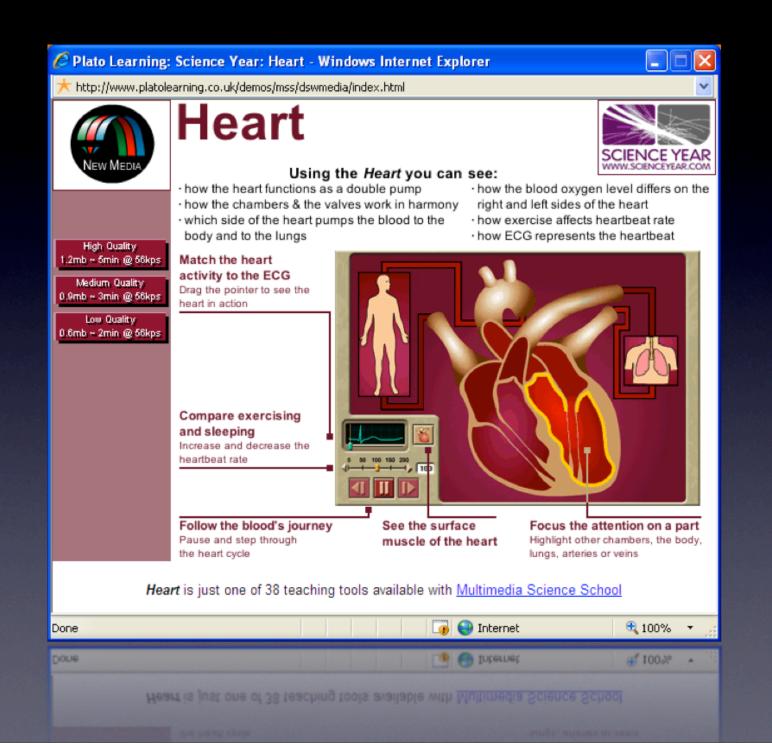
# Larry Copes

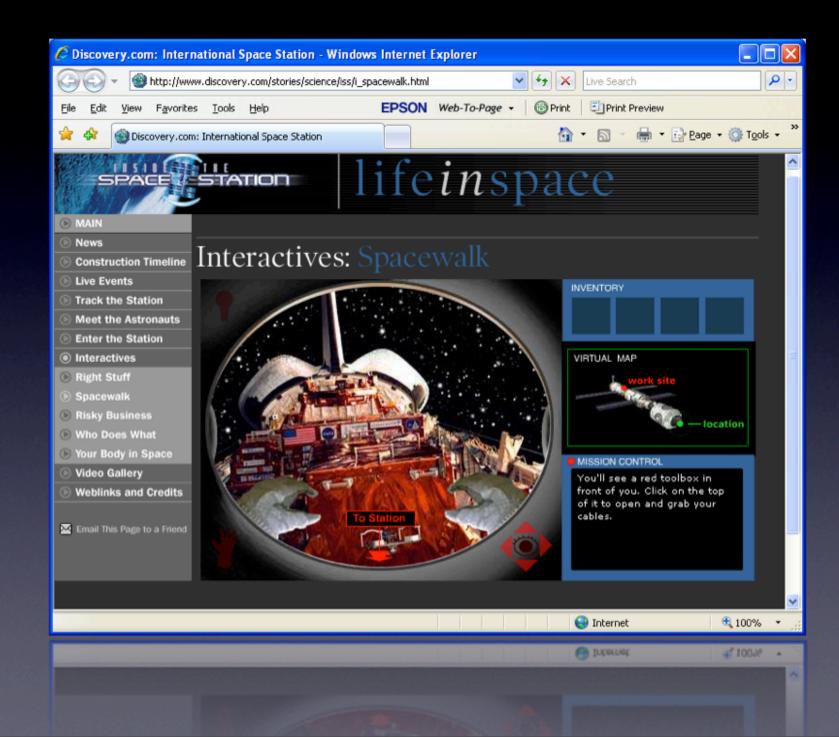
Institute for Studies in Educational Mathematics copes@edmath.org

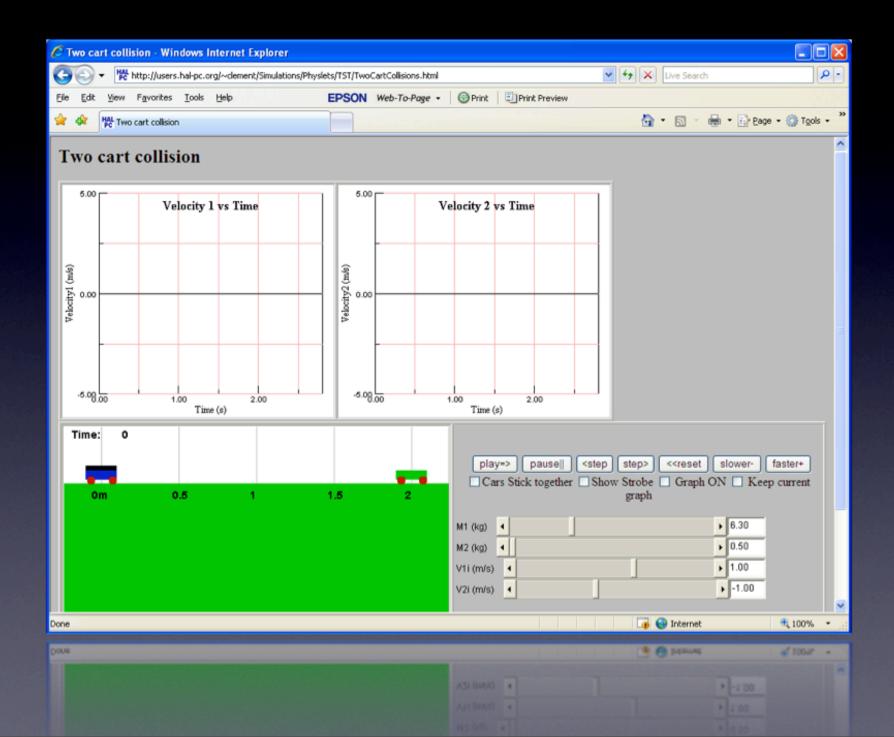
John McCaffrey Hennepin Technical College jmccaffrey@hennepintech.edu

# Mutari - The ORGANISATIONAL CHANGE Simulation <u>http://www.prendo.com/EN/</u>

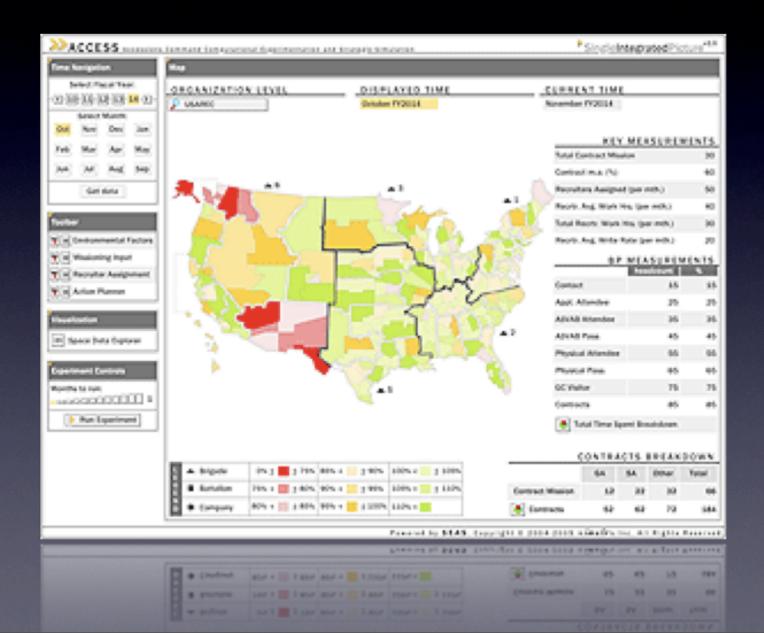








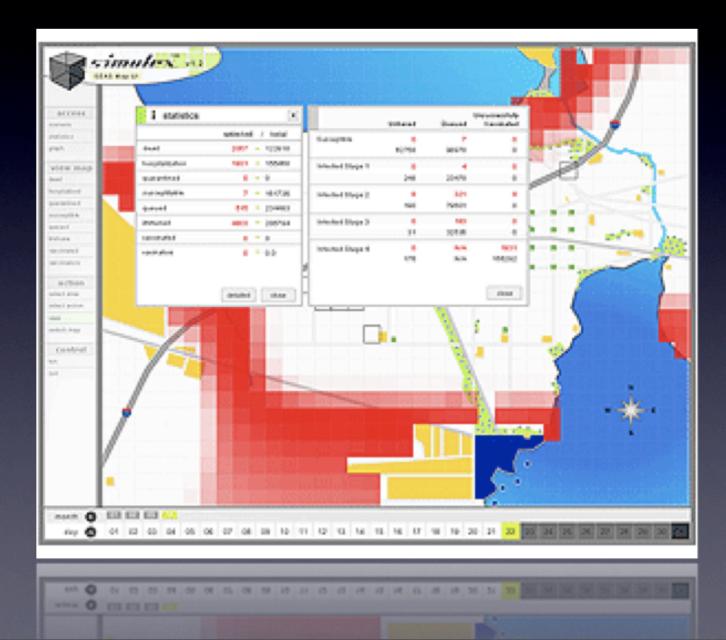
### SIMULEX INC Synthetic Environments for Analysis (SEA) and Simulation Technology



## SEAS-ATC

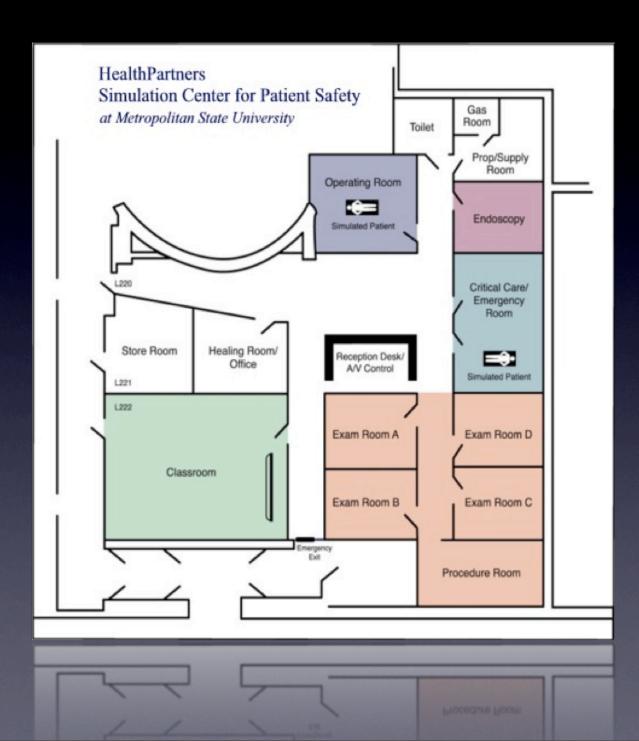


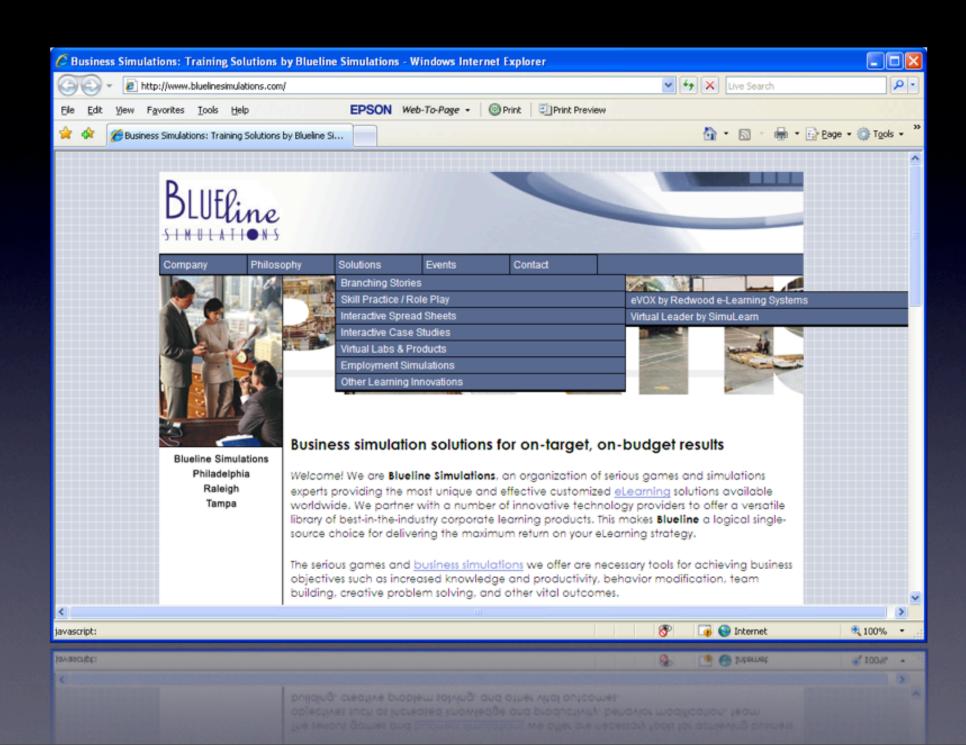
## Bio-Ready (bio terrorist simulation)

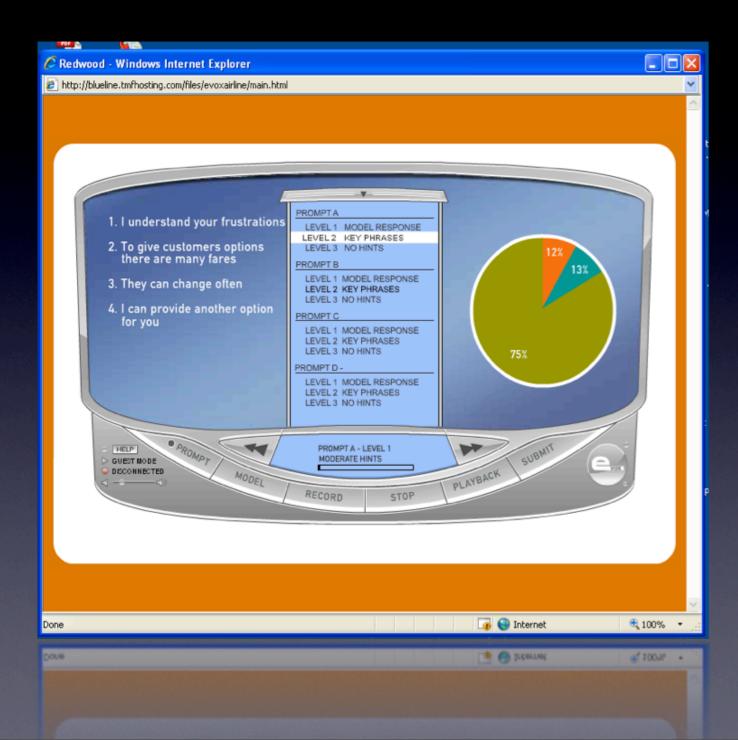


### SES - simulates individuals' work paths in a Navy destroyer







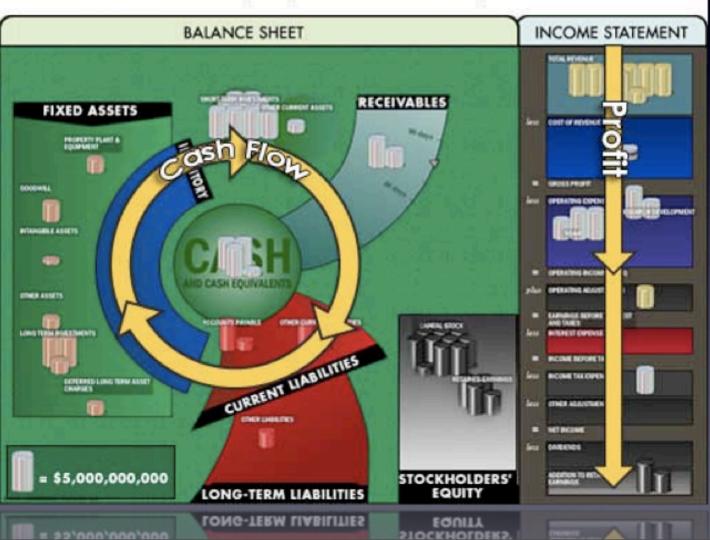


### From Andromedia Training Inc.

### http://www.income-outcome.com/visualizer.html

#### Does cash drive your business?

Income/Outcome business simulations have a strong emphasis on cash flow and offer a clear definition of the difference between cash (on the Balance Sheet) and profit (on the Income Statement).







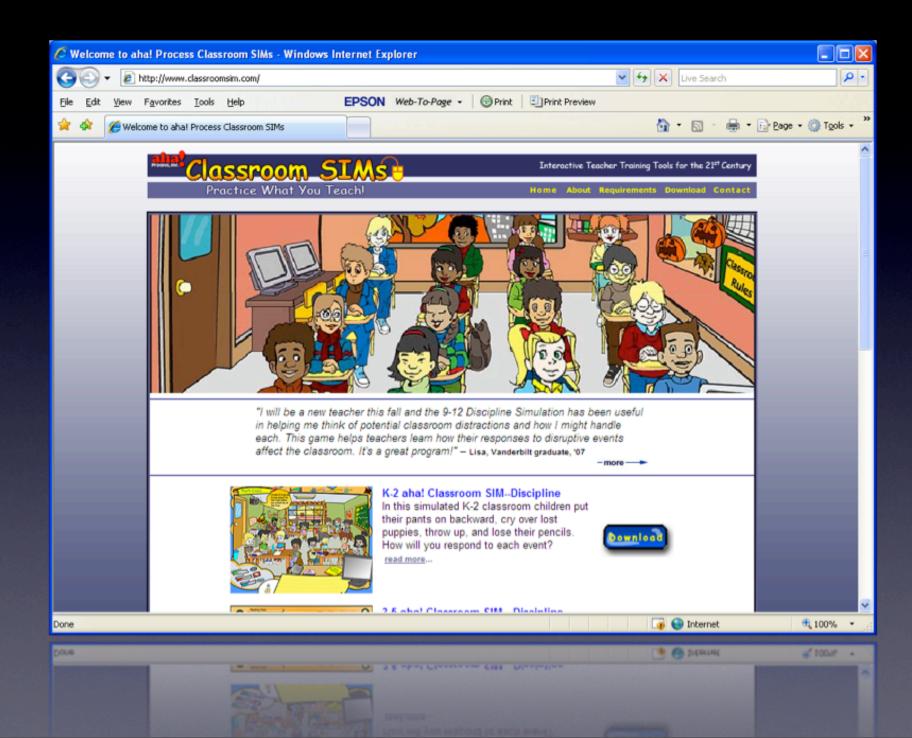


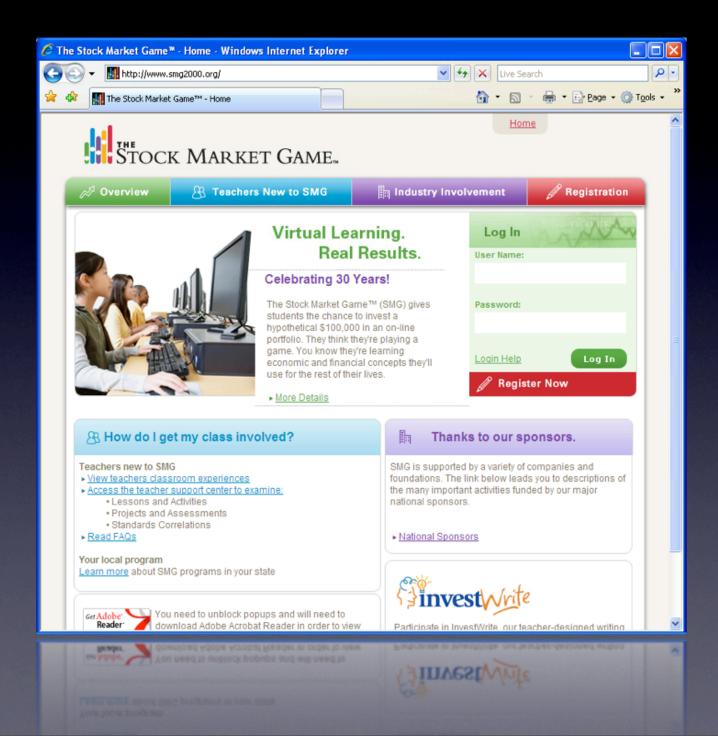
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	<ul> <li>from other departments, disciplines, genders, races, and ages. Here are a few of the ways BaFa'BaFa' has been used in the hundreds of thousands times it has been run around the world:</li> <li>Build awareness of how cultural differences can profoundly impact people in an organization.</li> <li>Motivate participants to rethink their behavior and attitude toward others.</li> <li>Allow participants to examine their own bias and focus on how they perceive differences.</li> <li>Examine how stereotypes are developed, barriers created, and misunderstandings magnified.</li> <li>Identify diversity issues within the organization that must be addressed.</li> </ul>	
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#### 900/42240

- Identify diversity issues within the organization that must be
- Examine how stereotypes are developed, barriers created, and
- Allow participants to examine their own bias and focus on how their









<u>What Video Games Have to Teach Us About Learning</u> <u>and Literacy. Second Edition: Revised and Updated</u> <u>Edition</u> by James Paul Gee (Paperback - Dec 26, 2007)

<u>Simulations and the Future of Learning: An Innovative</u> (and Perhaps Revolutionary) Approach to e-Learning by Clark Aldrich (Hardcover - Sep 19, 2003)

<u>Serious Play: How the World's Best Companies</u> <u>Simulate to Innovate</u> by Michael Schrage (Hardcover -Dec 1999)

# I wish I had the chance to try this out



### http://rfp5.project.mnscu.edu/



Minnesota STATE COLLEGES & UNIVERSITIES

Welcome!

Proposal Guidelines

Proposal Timeline

Eligibility

Review Process/Evaluation Criteria

Apply

Contact Info

Information for Proposal Reviewers

GO

Awards



Search Tips

## **Academic Innovations RFP 5**

Expanding Learning Simulations/Games and Learning Objects Initiatives A Project of Academic and Student Affairs

#### Welcome!

#### Awards Notification Have Been Made!

Funding Amounts: \$2,500 to \$20,000

Projects Completion: August, 2008 (extensions are possible if rationale provided)



The Academic Innovations Division of Academic and Student Affairs (ASA) is pleased to announce a **\$275,000** Round 5 Request for Proposals (RFP). The purpose of these awards is to expand capacity among Minnesota State system institutions in learning based simulations or games and to stimulate the development of shareable learning objects.

Over the past several years, ASA invested funds in new and emerging technologies and eCurriculum projects that improved services and added learning opportunities for students in our system.

Building on earlier system projects, responses to this RFP will outline

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#### WebEx Tips by Karen

 Both the toll and toll free teleconferencing numbers are long distance. The toll teleconferencina number is area code 650, and this often confuses attendees because it is so close to our St. Paul area code of 651 they forget to dial the "1 + area code". Remind your attendees to use the "1" when usina teleconferencing--you may even want to use the Chat panel to remind them once the session is started.

and now the **world premier** sponsored by MNSCU grant for Academic Innovations



# What just happened?

# How has this been used?

	Professional Development	Preservice Teachers
2002	Hamline University	
2004		Augsburg College
		U of M
		Metropolitan State University
	Plymouth Youth	
	Center (MPLS)	
Present	TIPS Workshop	
	© 2008 Rose Chu, Larry Copes, & J	John McCaffrey

### What real users say about the Teaching Simulator™

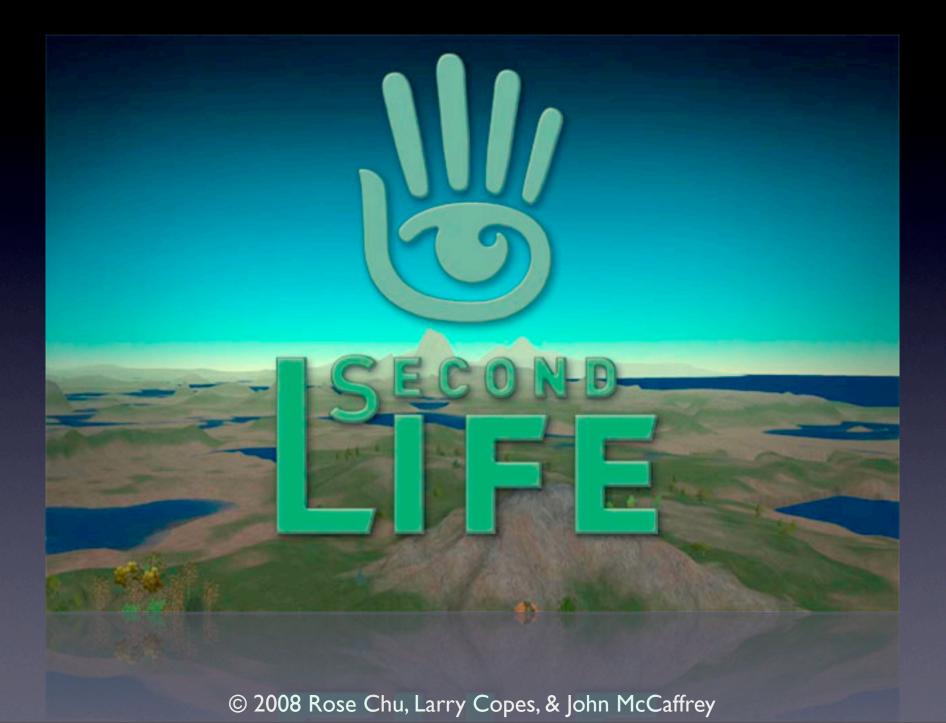
## I just really like that you can go through and try different things, and nobody gets hurt!

### What real users say about the Teaching Simulator™

# There was an eerie resemblance between the class I taught this afternoon and the simulation.

### What real users say about the Teaching Simulator™

# Going through a class situation in slow motion gives me time to think about what I'm doing.





traditional methods course methods

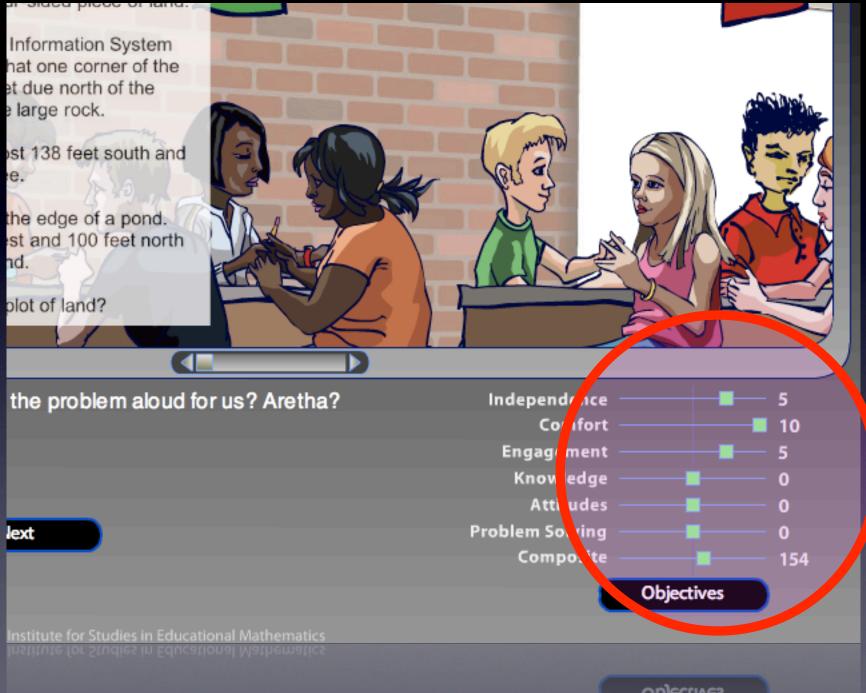
case studies

• video clips

observations

# added value with simulations

- active
- dynamic
- repeatability
- encourages best practices
- habit development



## "How can I use this?"

# the software engine is in place

## 83 versions of scripts 33 scenarios

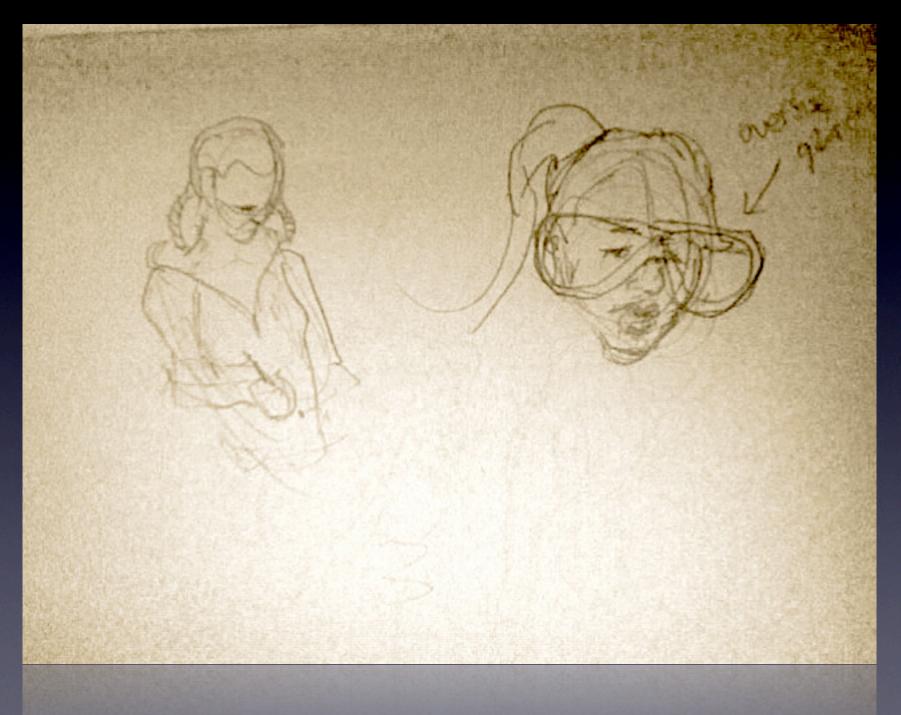
## script creation

- content
- teaching strategies
- context
- central problem
- special discourse
- cast

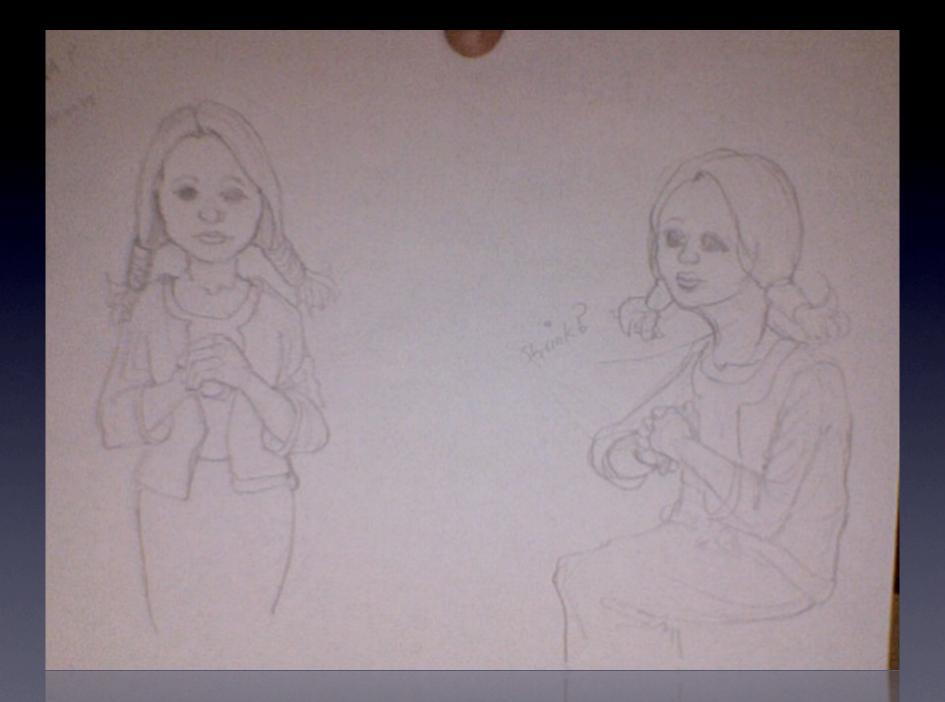
number	name	ethnicity	sex	personality	math grade level	notes	intelligence	interested in	interaction	language
	Mai Li	Asian	F	0	7				loner	
	Bao	Asian	M	c	6			sports	Ioner	
	Annie	Asian	F	E	3		shows	Sports		ELL, poor reader
	Ajou	African American	м	A	4	easily engaged				
5	Latasha	African American	F	N	2				on edge, willing to fight	
6	Delmar	African American	м	0	7		very bright		dominates, eager	
7	Aretha	African American	F	с	6	good manager			"good girl"	
8	Perry	African American	м	E	3				supports other students	
9	Tamika	African American	F	A	4	lazy	doesn't understand easily		responds reluctantly; can be insulting; funny, a bit dirty	
10	Kasen	African American	м	N	5	very defensive	very bright		loner	
		American								
10	Kasen	American African	W	И	5	very defensive	easily very bright		reluctantly; can be insulting; funny, a bit dirty loner	
		No. of Concession, Name				Company of the local division of the local d	TO DOLLAR			

















#### http://www.teachsim.com

Slides available at http://www.ljcopes.com/copes/talks

#### Rose Chu

Metropolitan State University rose.chu@metrostate.edu

Larry Copes Institute for Studies in Educational Mathematics copes@edmath.org

John McCaffrey Hennepin Technical College jmccaffrey@hennepintech.edu