Not quite video games: Electronic simulations for teacher education

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

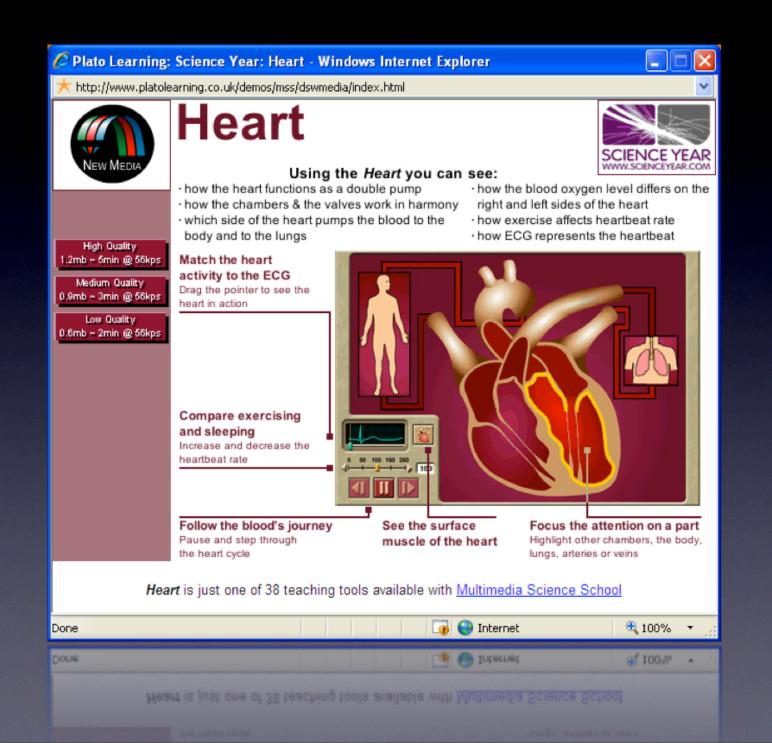
Larry Copes

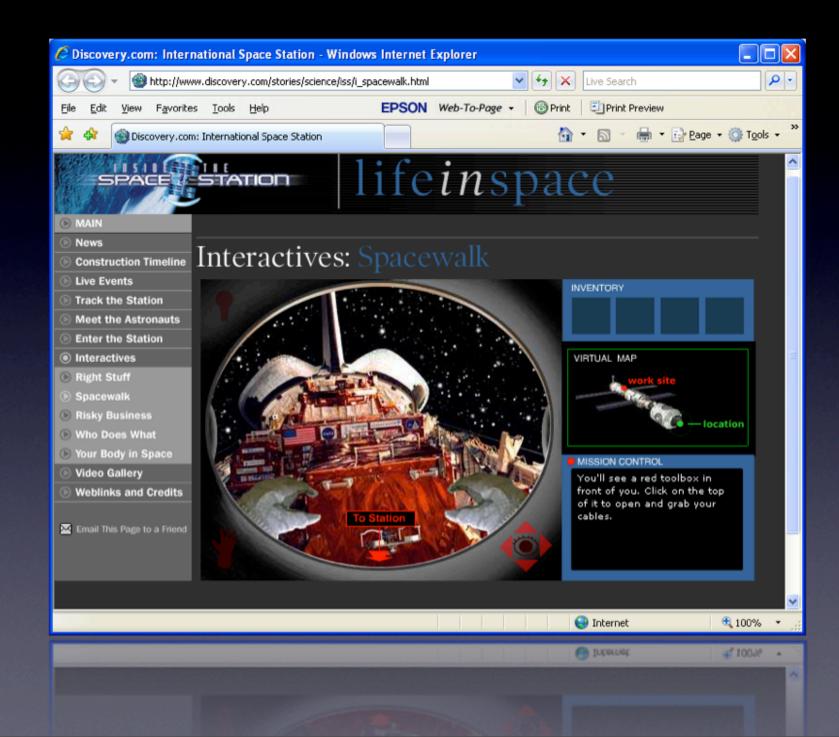
Institute for Studies in Educational Mathematics copes@edmath.org

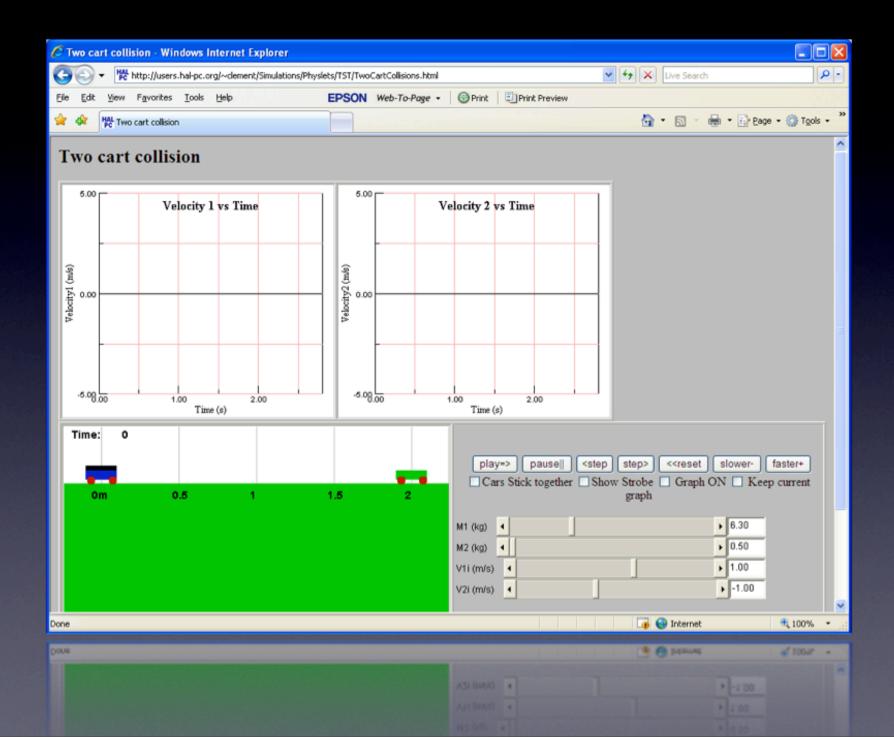
John McCaffrey Hennepin Technical College jmccaffrey@hennepintech.edu

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

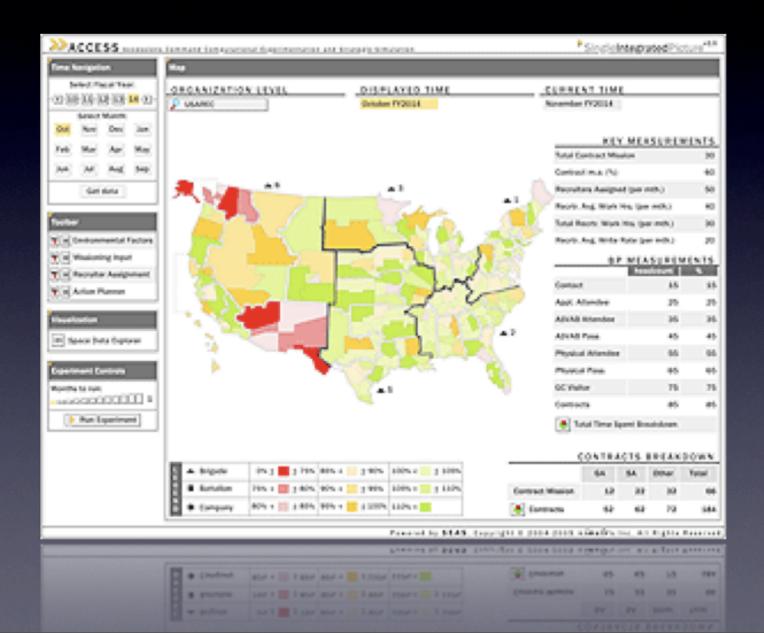








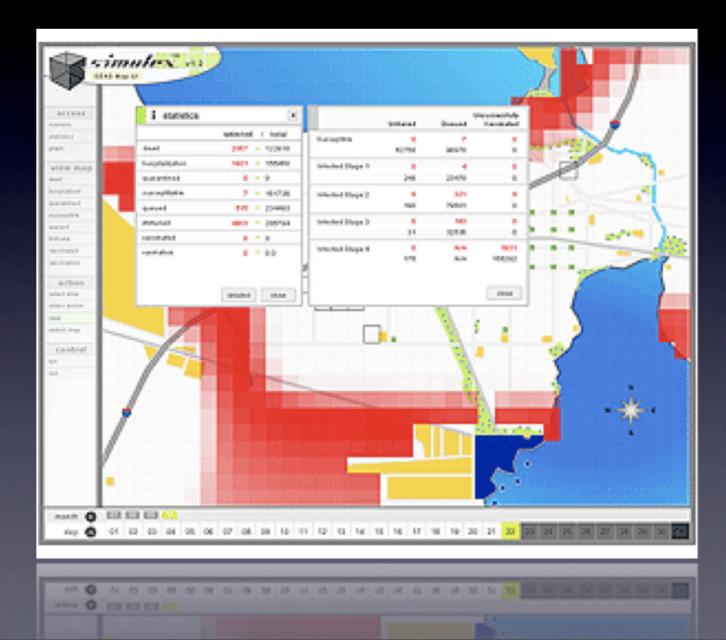
SIMULEX INC Synthetic Environments for Analysis (SEA) and Simulation Technology



SEAS-ATC

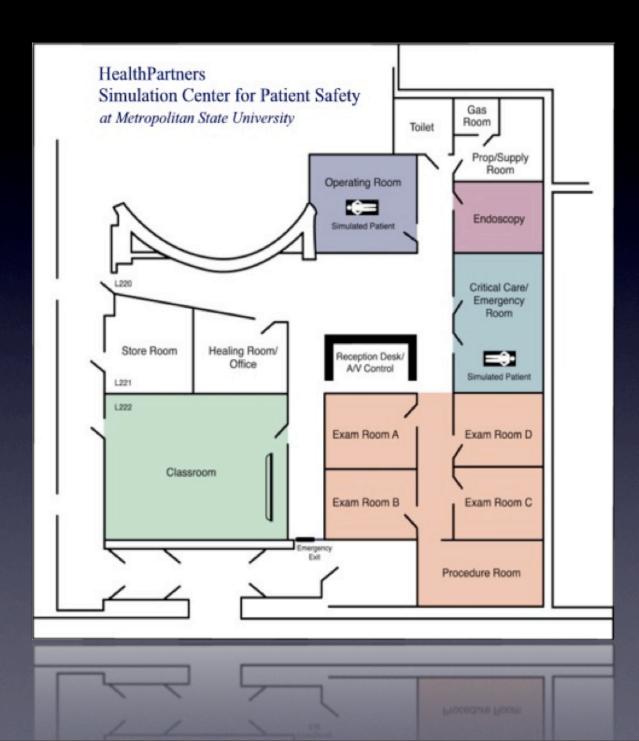


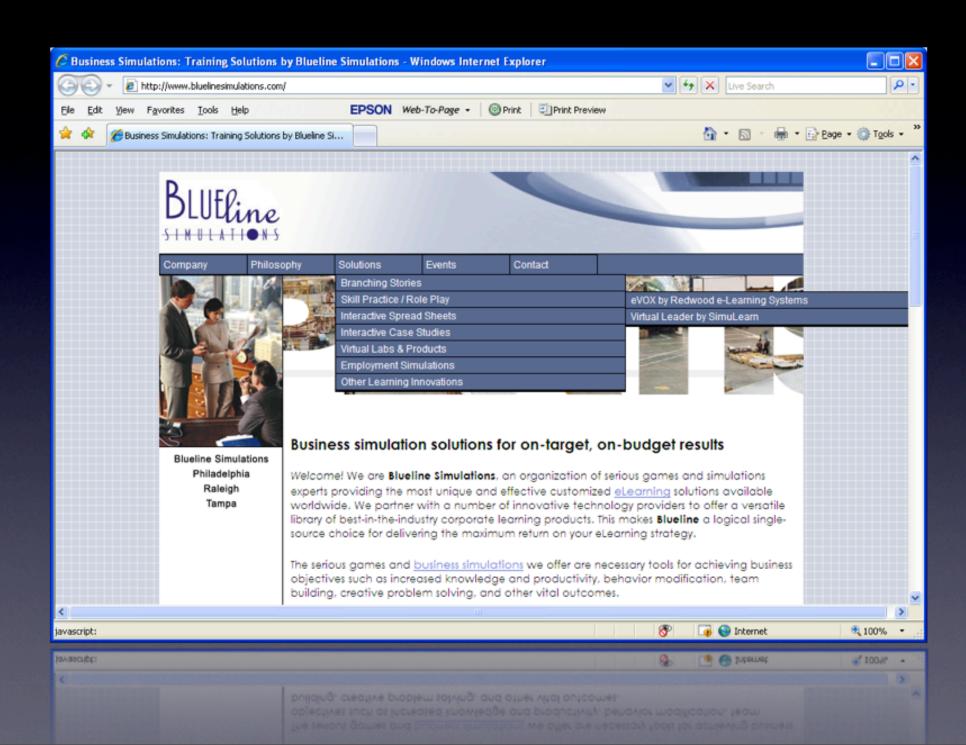
Bio-Ready (bio terrorist simulation)

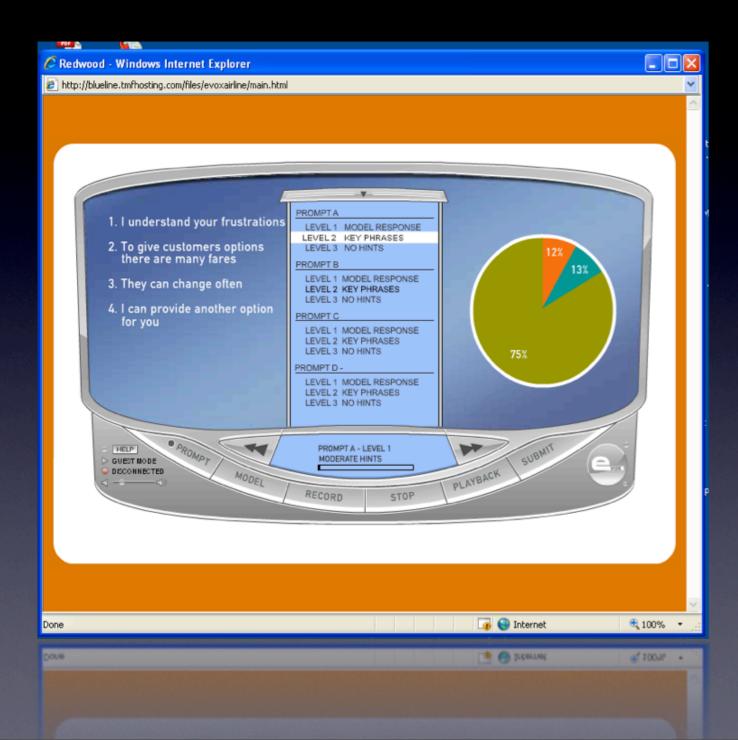


SES - simulates individuals' work paths in a Navy destroyer







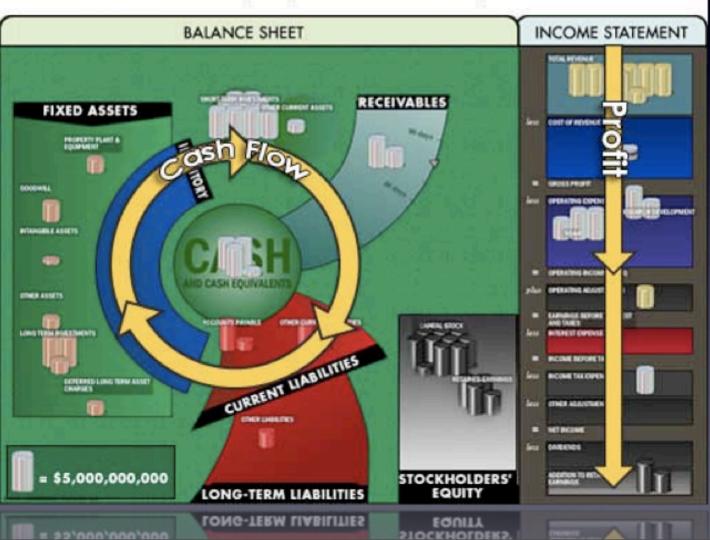


From Andromedia Training Inc.

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).









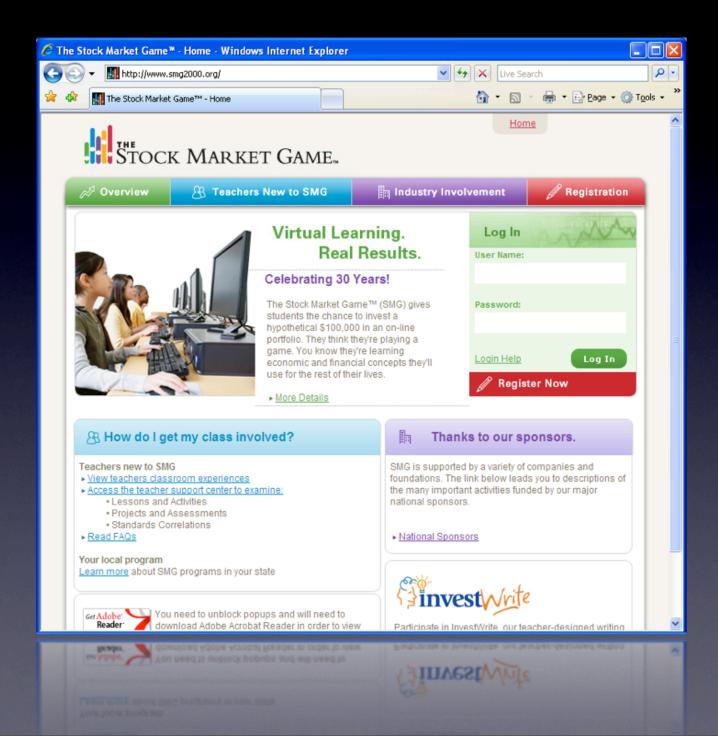
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| | from other departments, disciplines, genders, races, and ages. Here are a few of the ways BaFa'BaFa' has been used in the hundreds of thousands times it has been run around the world: Build awareness of how cultural differences can profoundly impact people in an organization. Motivate participants to rethink their behavior and attitude toward others. Allow participants to examine their own bias and focus on how they perceive differences. Examine how stereotypes are developed, barriers created, and misunderstandings magnified. Identify diversity issues within the organization that must be addressed. | |
| | 5004334AF | |

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™

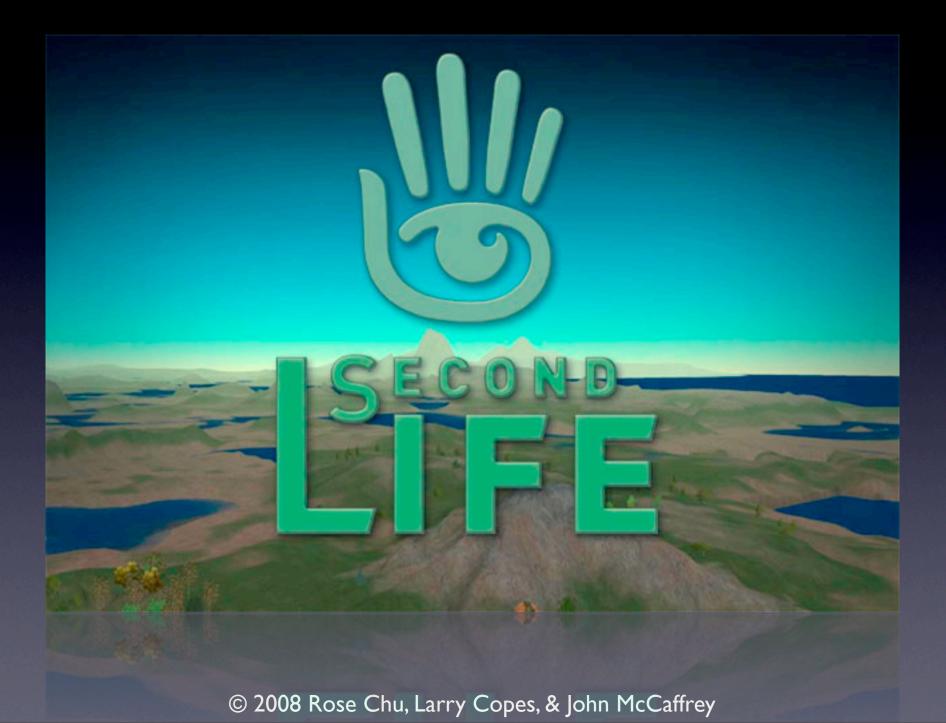
I just really like that you can go through and try different things, and nobody gets hurt!

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

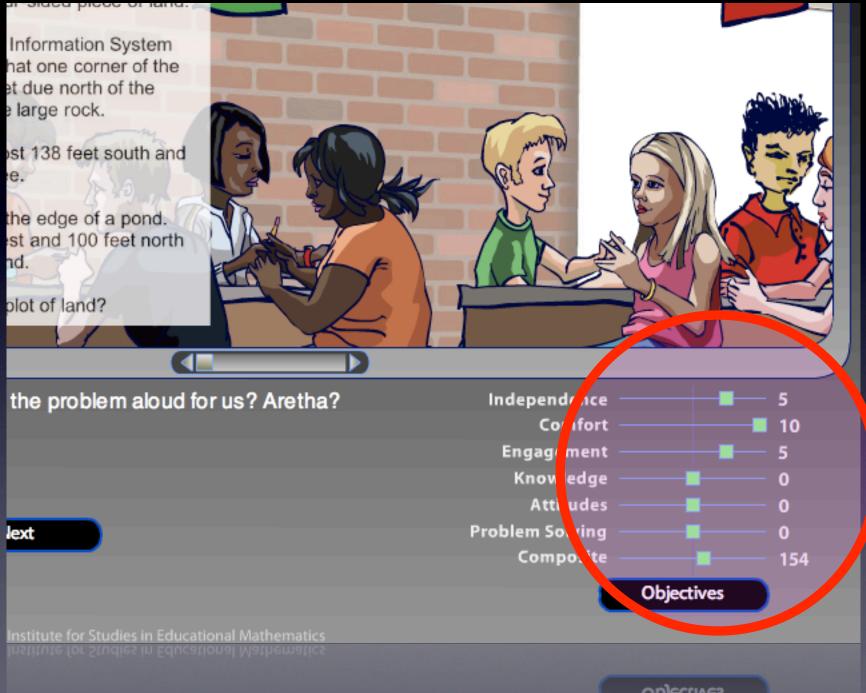
case studies

• 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

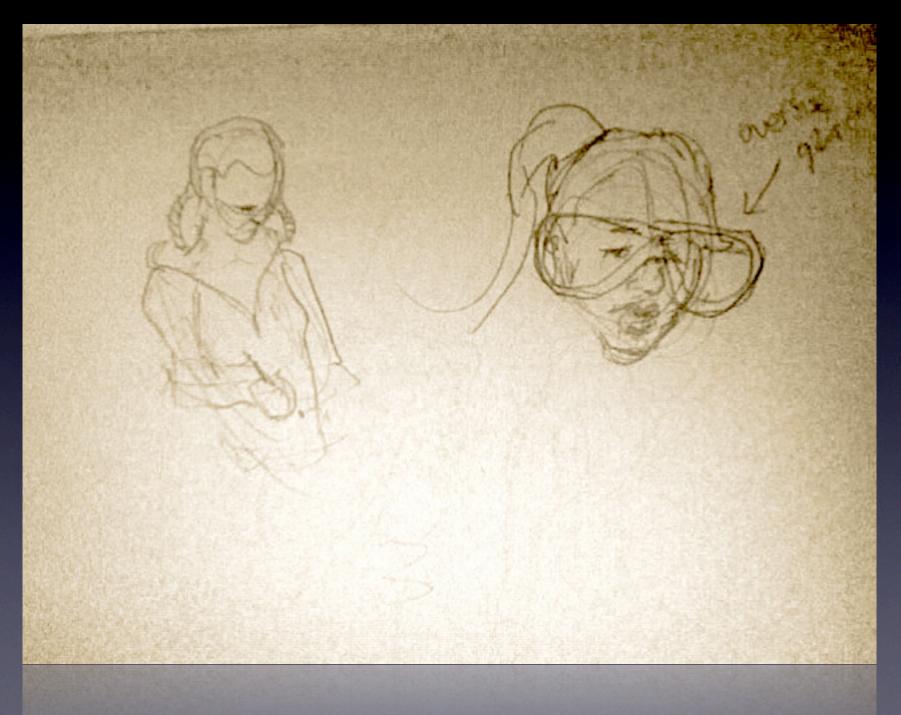
script creation

- 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