A Research Agenda...
Games and Simulations

- Making Frogger
- Journey Project Tutorials
- Making Pacman
- Making Sokoban
- Making Space Invaders
- Making Forest Fire Simulation
- Making Contagion Simulation
- Making The Sims
- Sample STEM Simulations
- AgentCubes Tutorials
- Sample Arcade
- Upward Bound Game Designs

Uploads and Downloads

- Download AgentSheets
- Download AgentCubes
- How to Submit Your Project (AgentSheets and AgentCubes)

Project

- Project Summary
- Project People

- Summer Institute 2013
- Teacher Program
- Scalable Game Design in the Classroom: Movies

Help for Teachers

- How to Implement in Class
- 2012 School Implementation Schedule
- Teaching Module Options
- Teaching Tools and Tips

Research

- Summary Project Years 1 to 3
- Results Project Years 1 to 3

- Computational Thinking Patterns
- How Game Design Maps to the ISTE NETS Standards

- Presentations
- Publications, Reports, and Press Coverage
- Resource Articles
Student Surveys

https://www.surveymonkey.com/s/oDREAMS_SMSpre
Student Surveys

• When?
  – Prior to completing first unit with students
  – Last day of implementation of unit with students
    (or as soon after as possible)

• Who?
  – Your students

• Why?
  – Impact of approach on student motivation

• Note: We also have motivation surveys for math specific courses and Spanish speakers
Arcade Uploads

Username:  Password:  Login

[Forgot Password?]  Not registered? Sign-Up!

Home  Class Selection  Open Arcade  Support  About

Recently Submitted Games
- Own game/simulation by rfalk
- Own game/simulation by mish7666
- Forest Fire by rfalk
- Pacman by briman527
- My Game 1 by conlew

Most Downloaded Games
- Untitled
- Untitled
- Untitled
- Untitled
- Untitled
Lesson Logs
Lesson Logs

• What are they?!?
  – Brief, online response (10 min)
  – Three parts
    • Pace & progress
    • Implementation
    • Highlight(s)

• When?
  – Starting midway through a unit
  – After last lesson

• Why?
  – Lesson-specific communication with project team
  – Connect student work to in-class experiences
  – Support implementation issues that emerge
7 Please describe the parts of the lesson in which you added, deleted, or changed the order of activities in the lesson, compared to your original plans.

Please note modifications in the relevant text boxes below:

- additions
- deletions
- changes in the order of activities
- other changes
8 Critical moments or events in classroom (part a)

Select one or more of the following prompts to indicate any noteworthy events in today’s lesson (e.g., student insights, teacher insights, challenges overcome, unexpected events [good or bad], etc). Use the text box in #9 (part b, below) to describe the event(s) in more detail:

- the lesson or part of the lesson went exceptionally well, unusually high engagement
- something surprising occurred
- students who are usually not engaged, are showing strong interest
- students seemed to comprehend an idea that had previously been troublesome
- student misconceptions emerged
- a student offered an unusual or unexpectedly sophisticated strategy
- a student’s question caused a modification in the lesson
- Other, please specify

[Text box for additional information]
<table>
<thead>
<tr>
<th></th>
<th>Low</th>
<th>Typical</th>
<th>High</th>
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</thead>
<tbody>
<tr>
<td>Level of student frustration</td>
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<td></td>
</tr>
<tr>
<td>Student requests for help or support</td>
<td></td>
<td></td>
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<tr>
<td>Student engagement in activities</td>
<td></td>
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<tr>
<td>Student-to-student interaction</td>
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For a select sample of you...
Interviews
Interviews

• **When?**
  – Scheduled via email
  – Generally, after completing one or more SGD units with students (or teachers)

• **Who?**
  – Teachers
  – Training Facilitators
  – School Admin

• **Why?**
  – Document emerging related initiatives
  – Implementation successes and challenges
Classroom Observations
Classroom Observations

• When?
  – Scheduled via email

• Who?
  – Teachers implementing SGD units
  – Most will be geographically convenient to either CU-Boulder or SRI research team

• Why?
  – Pedagogy in process
  – Document other implementation issues
Questions?