



# Greenfoot

Dr. Karen Alkoby

Gallaudet University

SIGCSE 2012 – March 3rd

# Acknowledgment

- *Sponsored by a grant from  
AccessComputing, Grant #2421*

# Very Late in the Game





# Use of the Powerful Marketing Tools



**Gallaudet UNIVERSITY**

**JULY 17-23, 2011**

**GAMES AND SIMULATIONS: THE GREENFOOT CAMP**

**A SUMMER VIRTUAL TECHNOLOGY CAMP FOR DEAF AND HARD OF HEARING HIGH SCHOOL STUDENTS**

Have fun with your peers at this summer camp developing computer games and simulations using Greenfoot, the user-friendly software program that lets novice programmers grasp the fundamentals of Java programming and animation. Java is one of the hottest and most in-demand programming languages in colleges, universities, and the computer industry today. No prior experience is necessary to participate in the week-long camp.

- Java
- Computer games & simulations
- Hands-on workshops
- Online gallery
- Ropes course
- Field trips & D.C. sightseeing

**PROGRAM FEE/APPLICATION**

This is a free program. Room and board are covered in addition to program costs. Space is limited, so apply early. Application Deadline: June 10, 2011

For more information and to download application, go to <http://youthprograms.gallaudet.edu> and mail or fax to Dr. Karen Alkoby at the contact address below.

**Gallaudet University**  
Greenfoot Camp  
Dept. of Business - Information Technology  
800 Florida Ave., NE, Washington, D.C. 20002

**karen.alkoby@gallaudet.edu**  
VP: 202-250-2620 | FAX: 202-651-5516  
<http://youthprograms.gallaudet.edu>

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- College of Professional Studies and Outreach (CPSO)
- Summer Youth Programs
- Enrollment Marketing
  - Hobsons
  - Blast News
  - AccessComputing

# Surprising Result!



- 22 applicants
- Criteria
- Only accepted 15 campers
  - Half ASL users
  - Half non-ASL users
  
- Half female
- Half male

# Non ASL Users

- The Impact of Individuals With Disabilities Education Act (IDEA) – 1997
- The Use of Cochlear Implant Technology
- Challenging of Accommodations

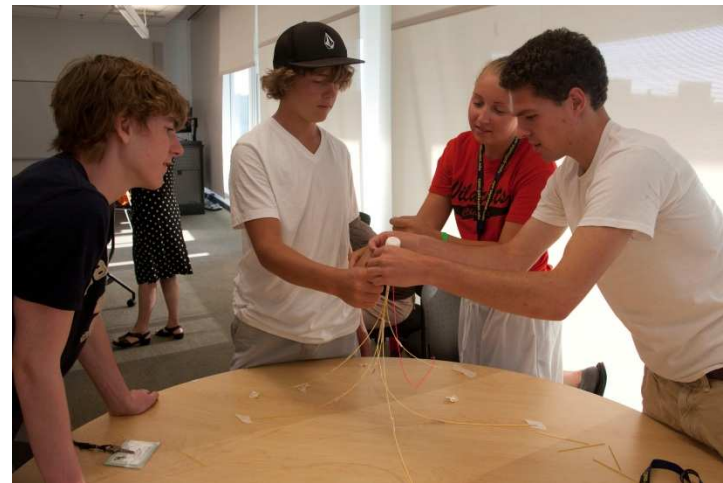


# Greenfoot Activities – 3 days

|              | Sunday                     | Monday    | Tuesday   | Wednesday               | Thursday                                       | Friday           | Saturday      |
|--------------|----------------------------|-----------|-----------|-------------------------|--|------------------|---------------|
| 8:30-10:15am |                            | Greenfoot | Greenfoot | Greenfoot               | Field Trip – Goddard Space Center @ NASA Lunch | Greenfoot        | Departure Day |
| 12:00-1:00pm | Arrival/<br>Check In       | Lunch     | Lunch     | Lunch                   |  | Lunch            |               |
| 1:15-3:00pm  |                            | Greenfoot | Greenfoot | Enrollment Presentation |  | Play N Things    |               |
| 3:15-5:00pm  |                            | Discovery | Discovery | Discovery               | Discovery                                      | Discovery        |               |
| Dinner       | Dinner                     | Dinner    | Dinner    | Dinner                  | Dinner   | Dinner           |               |
| 6:00-9:00pm  | Orientation<br>Ice Breaker | CPSO      | CPSO      | CPSO                    | CPSO   | Closing Ceremony |               |

# The Ice Meltdown

- The Marshmallow Challenge
- Make a Peanut Butter Sandwich
- Deaf People Can Do Anything Except Hear

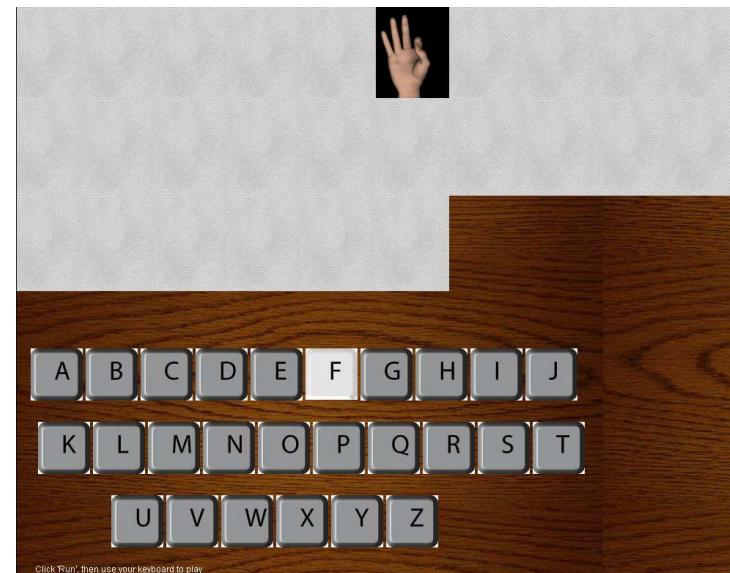
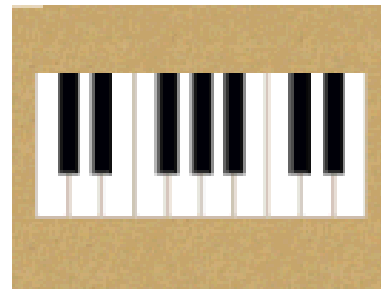




# James Webb Space Telescope



# Piano alternative for deaf and hard of hearing



Click 'Run', then use your keyboard to play

# Results from the Pre Survey & Post Surveys

|  | Strongly Agree | Agree | Disagree | Strongly Disagree | No Opinion |
|--|----------------|-------|----------|-------------------|------------|
| I am planning to go to college.                            |                |       |          |                   |            |
| I am interested in pursuing a career in a computing field. |                |       |          |                   |            |
| <b>A career in computing is a reasonable goal for me.</b>  |                |       |          |                   |            |
| Learning how to program a computer is fun.                 |                |       |          |                   |            |
| I like to play games on a computer or smartphone.          |                |       |          |                   |            |

- t-Test: Paired Two Sample for Means
  - ASL female users  $P(\text{one-tail}) = .03$
- Problem: Not sufficient data



# Another Survey

| Greenfoot program:                                      | Excellent (1) | Very Good (2) | Average (3) | Unsatisfactory (4) |
|---|---------------|---------------|-------------|--------------------|
| The classroom was appropriate for Greenfoot?            | 7             | 2             | 3           | 1                  |
| <b>Was the one-week enough for the Greenfoot?</b>       | <b>2</b>      | <b>1</b>      | <b>9</b>    | <b>1</b>           |
| <b>Was the Greenfoot experience Fun &amp; Positive?</b> | <b>1</b>      | <b>6</b>      | <b>6</b>    | <b>0</b>           |
| <b>Was the Greenfoot enjoyable and age appropriate?</b> | <b>6</b>      | <b>2</b>      | <b>4</b>    | <b>1</b>           |
| Was the field trip enjoyable?                           | 3             | 5             | 3           | 2                  |
| Instructor was attentive and friendly.                  | 4             | 7             | 2           | 0                  |
| <b>The classroom is accessible.</b>                     | <b>6</b>      | <b>3</b>      | <b>2</b>    | <b>1</b>           |

# Future?

- More than one week program
- More field trips at evenings
- Rigorous screening applicants
- Received many inquires about future Greenfoot.

# Questions or Comments

Email:

[karen.alkoby@gallaudet.edu](mailto:karen.alkoby@gallaudet.edu)

