P20 Collaborations in Virtual Worlds

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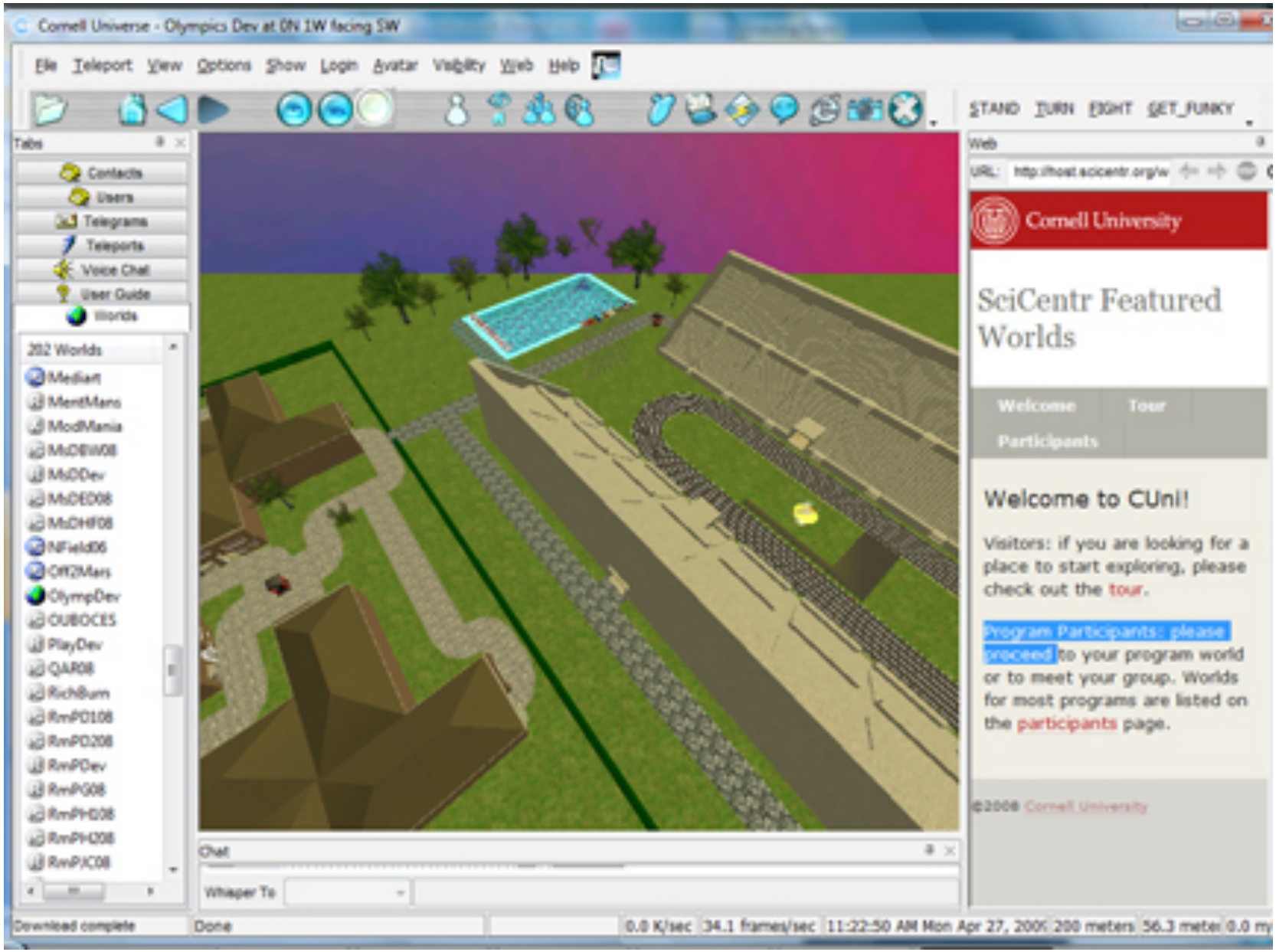
Worlds for Internet Technology and Science

- Funded by the National Science Foundation
  - Broadening Participation in Computing
- Take the SciFair Model developed at the Cornell Theory Center and expand its application and adapt/adopt the community service mentoring
- GST BOCES, UCSD, VCU, PSU – each program different
- Potential for undergraduate service learning


Cornell Universe - Olympics Dev at 0N 1W facing SW
File Teleport View Options Show Login Avatar Visibility Web Help
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RichBurn
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RmPH208
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RmPJC08
Chat
Whisper To
Web
URL:
Cornell University
SciCentr Featured Worlds
Welcome
Tour
Participants
Welcome to CUni!
Visitors: if you are looking for a place to start exploring, please check out the tour.
Program Participants: please proceed to your program world or to meet your group. Worlds for most programs are listed on the participants page.
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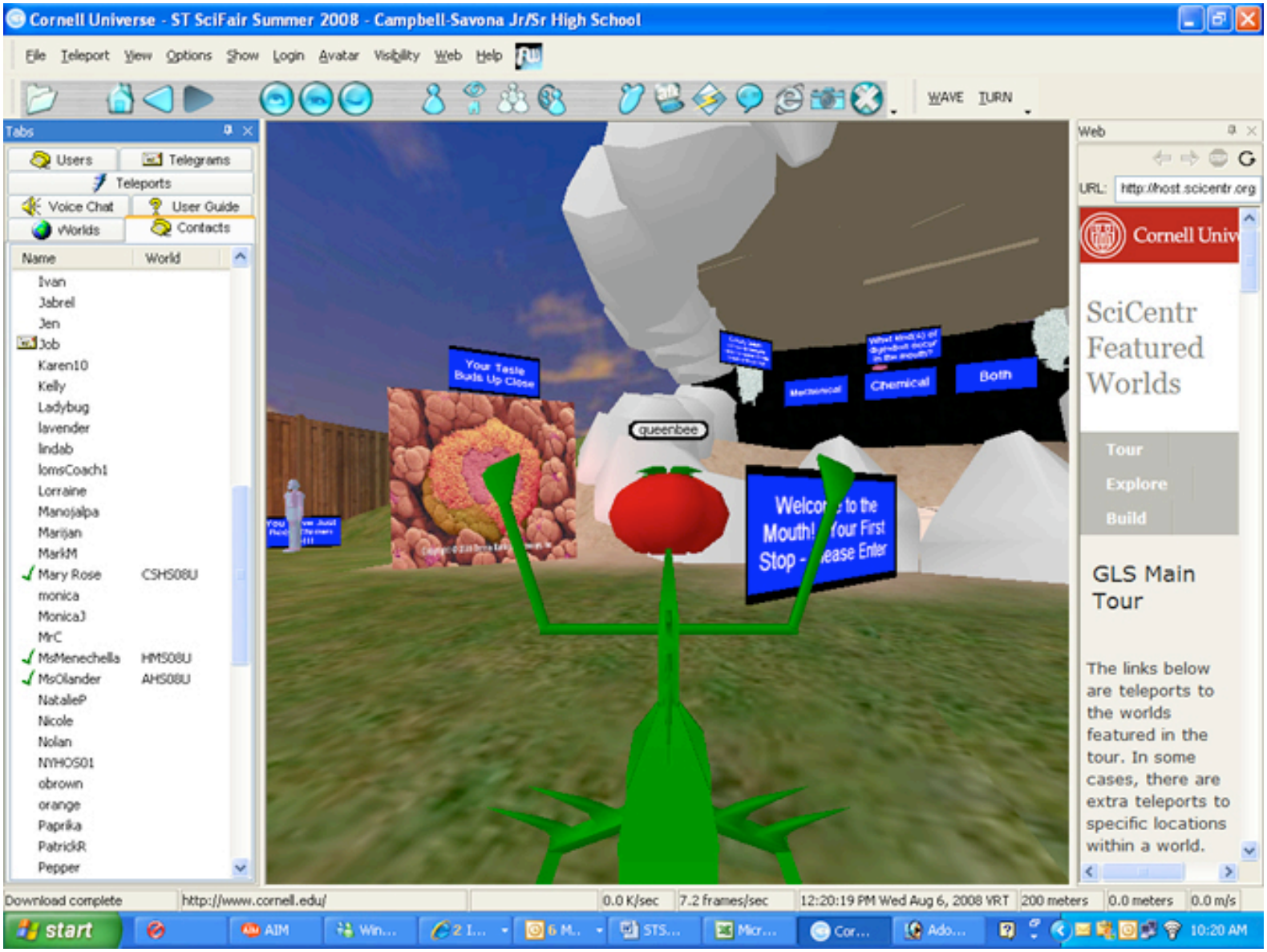
Southern Tier SciFair

- Founded at Cornell with regional schools
- Supported by a regional career track consortium
- Adopted by NYS regional service provider
  - GST BOCES
- Extends across NYS through Distance Learning Cooperative Services system – longterm


Cornell Universe - ST SciFair Summer 2008 - Campbell-Savona Jr/Sr High School
File Teleport View Options Show Login Avatar Visibility Web Help
WAVE TURN
Tabs
Users
Telegrams
Teleports
Voice Chat
User Guide
Worlds
Contacts
Name
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Ivan
Jabrel
Jen
Job
Karen10
Kelly
Ladybug
lavender
lindab
lomsCoach1
Lorraine
Manojalpa
Marijan
MarkM
Mary Rose CSHS08U
monica
MonicaJ
MrC
MsMenechella HMS08U
MsOlander AHS08U
NatalieP
Nicole
Nolan
NYHOS01
obrown
orange
Paprika
PatrickR
Pepper
Your Taste Buds Up Close
queenbee
Mechanical
Chemical
Both
Welcome to the Mouth! Your First Stop - Please Enter
Web
URL: http://host.scicentr.org
Cornell Univ
SciCentr Featured Worlds
Tour
Explore
Build
GLS Main Tour
The links below are teleports to the worlds featured in the tour. In some cases, there are extra teleports to specific locations within a world.
Download complete
http://www.cornell.edu/
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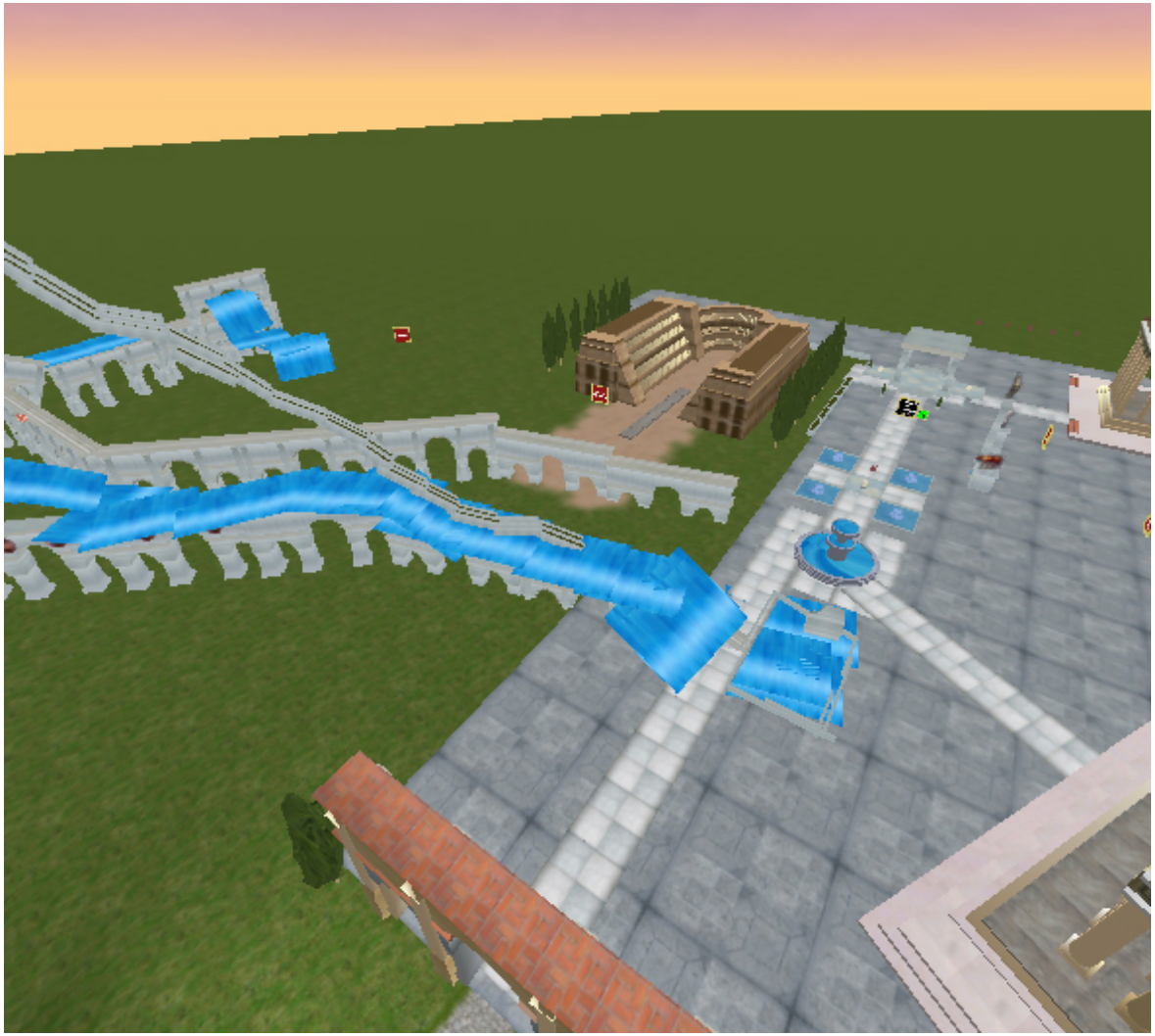
CyberCiv

- 6th Grade Social Studies
  - Sequence of Ancient Civilization worlds
    - Created by undergraduate designers with professional educator staff guidance and input from teachers
    - Funded through a NYSED 3-year grant
    - Modular and adaptable
    - Designed for integrated Language Arts and Social Studies standards
    - Builds Computer Tech Literacy (learning.com 8th grade assessment for ISTE NETS for Students)

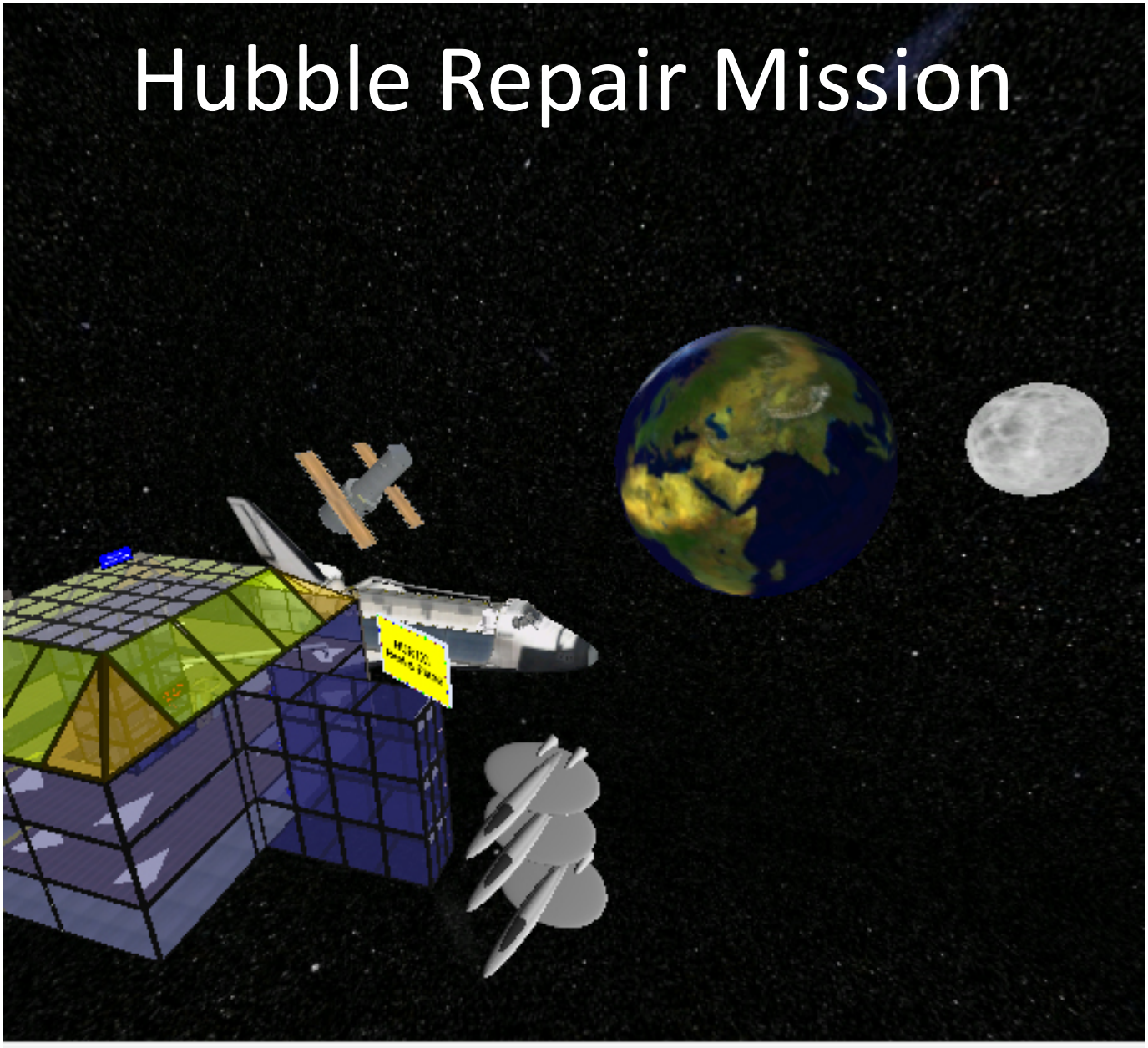
Roman Aqueduct



NASA VESC Challenge 2009

- Virtual Exploration Sustainability Challenge
  - NASA Institute for Astronomy
  - Sharon Bowers: VBCSD star science teacher
    - Nortel LearnIT support
  - Teams of college and high school engineers with faculty advisors from ODU
  - Live input from NASA scientists
  - Hosted in Cuni and supported by undergraduate engineer mentor/tech coordinator

Hubble Repair Mission



Engineering Ethics (ENGRG 3600)

- Course Module for Engineering Ethics
  - Provide neutral and engaging environment
  - Design experiment funded through Cornell's Faculty Innovation program (CIT)
  - SciCentr Staff/Ethics Faculty/CIT MM designer/ undergraduate researcher, modeler, world builder
  - NPC bot for interaction and rich content

Virtual Polluted Ithaca

Links

- WITS: wits.scicentr.org
- Southern Tier SciFair: Stscifair.scicentr.org
- Virtual Worlds in Education: View.scicentr.org
- NASA NIA VESC: http://www.nianet.org/VESC/index.html
- Engineering Ethics

- Funding: National Science Foundation, New York State, GE Foundation, Microsoft, Intel, local and regional foundations and SCHOOL DISTRICTS