



Explore It! Career Academy

Santa Barbara City College
Santa Barbara, CA

The Explore It! Career Academy project is a SB70 California State grant involving the development of a virtual environment which will enable middle school and high school students to explore health careers, bringing a new dimension to career exploration in the Allied Health field. Our goal is to increase the percentage of students successfully transitioning from junior and high school tech-prep, ROP and concurrent enrollment programs to community colleges.

Forterra's OLIVE, *On-Line Interactive Virtual Environment*, is a software platform that enables customers, partners and developers to build persistent virtual worlds where users can communicate, train, rehearse, analyze, experiment, socialize and entertain in a networked collaborative environment.

A team of faculty and interns at the Santa Barbara City College (SBCC) School of Media Arts (SoMA) is working with Forterra to build this environment:

- **Mihir Mahapatra – *Producer***
 - **Ryan Alexander CO- *Producer***
 - **Ty Hagner – *Art, Modeling, Textures***
 - **Greg Miller – *Modeling, Textures***
 - **Gonzalo Aguilera – *CAD***
 - **Yuki Sieker – *Modeling, Textures***
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- **Guy Smith – *Dean Educational Programs***
 - **Liz Russotti – *Grant Director***
 - **Leana Bowman – *Grant Writer***

Faculty/Counselor Participants

The participating faculty are being trained in the virtual world Second Life in order to prepare them as facilitators for the students in the OLIVE virtual environment. They are being trained by Cathy Arreguin, an expert in instructional design and training, using current educational technology. Cathy has been an instructor for the Sloan-Consortium, an Emerging Technology Consultant at San Diego State University and Project Manager for *Global Kids, New York*, virtual world curriculum development and oversight.

Participants

- La Cumbre Junior High School
 - Ray Jimenez - Instructor
 - Annette Galindo - Registered Nurse ASES Program
 - Sergio Galindo – Instructor

- San Marcos High School
 - Marcene Newman - *Director, Allied Health Academy*
 - Kathy Casteneda - *San Marcos Career Center*
 - Rick Ceriale - *Instructor, Allied Health Academy*
 - Erik Neilson - *Head Counselor*
 - Ruben Orozco - *Information Technology*

- Santa Barbara City College
 - Gwyer Schuyler - *Instructor/Counselor*
 - Lydia Deems - *Career Counselor*

Faculty Training Area - SBCC Island - Second Life



Virtual worlds such as Second Life have rapidly become a powerful new media for instruction and training, in part because it provides an opportunity for a greater level of student participation. Because the user is immersed in a highly realistic and convincing experience, including sound and motion, learning and retention is enhanced.

[Explore It! Blog site](#)

[Explore It! Wiki](#)

Accident Scenario

The scenario under development is a role-playing exercise in which students will be quickly oriented to OLIVE, and then immersed in a simulated scenario involving a skateboarder injured in a motor vehicle accident. The students will assume roles, including the victim and various allied health professionals (*EMTs, nurse practitioners, x-ray technicians, etc.*), to triage the incident, and then treat and transport the victim to a hospital site.

At the hospital, the patient's injuries will be assessed and a broken leg diagnosed, and then the patient is taken to the X-ray department. A cast is applied to the patient's leg and RN's continue to check patient's vital signs. When the patient is ready to be discharged, the discharge planner (*a specific type of nurse*) will evaluate the patient and give at-home instructions.

After the completion of the scenario, students will have access to information about each career, including educational requirements, salaries, daily duties, etc. Students will then have the opportunity to go through a process online which will evaluate their aptitude for the particular career the student expresses an interest in.

Cottage Hospital Model



The hospital building is based on the new Santa Barbara Cottage Hospital.

Cottage Hospital CAD Drawing



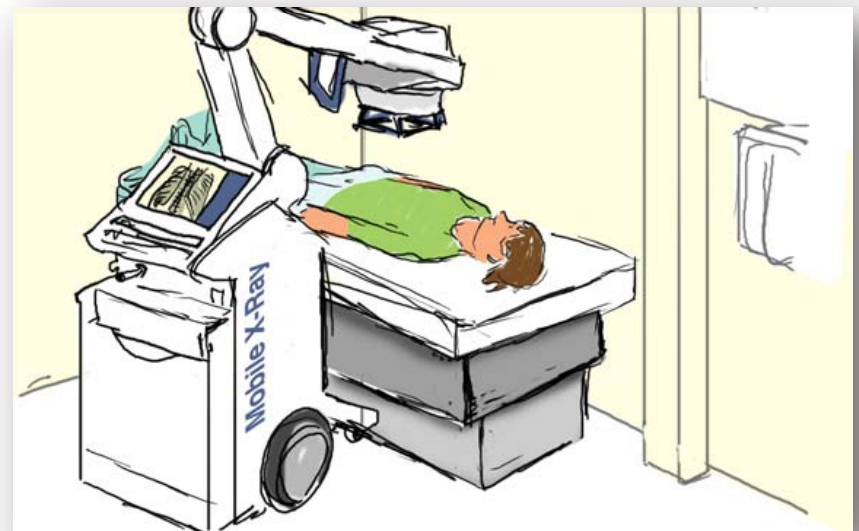
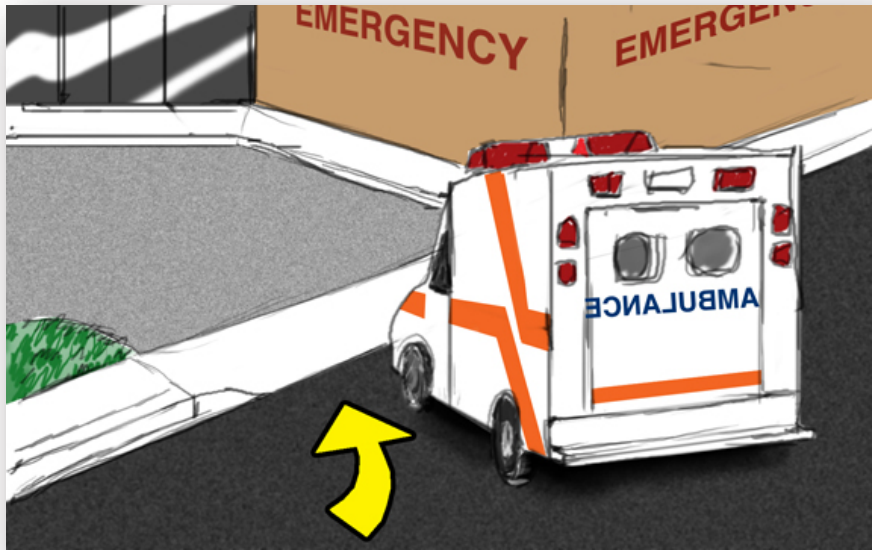
Neighborhood Around Hospital



Hospital Lobby Interior



Story Board





EMT Arrival Accident Scene



ER Arrival



X-Ray

