

StudentTECH 2011

Technology Training for Middle and High School Students

Hosted by the San Diego Supercomputer Center, UC San Diego

2D and 3D Insani-D! Modeling and Simulation with Flash and Alice

Monday-Friday, August 1-5, 2011

Course fee is \$125.00. Class meets at the SDSC Training Room from 8:30 a.m. – 3:00 p.m.

Workshop Overview:

In this fun and exciting five-day, hands-on workshop, students will learn to build cool 2D and 3D interactive animations. On the first day, you'll learn how to use Flash, the powerful 2D animation tool and the most popular tool on the Internet. On the second day you'll learn Alice, the free 3D animation and rendering tool used by many game developers. During the rest of the week, students will get some real hands-on game development experience using both Flash and Alice. Students will each get their own account on the StudentTECH course site where they can upload and share their games and animations with others. Students will be provided with all source files used in this workshop, too!

What we will cover:

Flash	Alice:
<ul style="list-style-type: none">• Introduction to the interface• Saving, Opening, Templates, Publishing• Motion, Shape, and Transparency Tweening• Frame by Frame “Stick Figure” Animation• ‘Onion-skinning’• Adding Buttons and Sound• Some ActionScript	<ul style="list-style-type: none">• Introduction to the interface• Modeling• Textures/Materials• Lighting• Rendering• Animation• Game Development with the built-in Blender Game Engine

Final Project:

Participants will present to the group their newly created 2D and 3D projects.

Participants will receive:

- Course materials
- Certificate of Participation

Who Should Attend:

The workshop is designed for students interested in the creation of new media content, such as web design and graphics, game development, animations, visual effects, visualization, and computer graphics in general.

Prerequisites:

- Must be a current middle or high school student
- No prior knowledge of multimedia applications is required.
- Comfortable using computer operating systems
- Understand file structures and types
- Understand the basics of digital media technology
- Attendance each day of instruction is mandatory. Lessons are cumulative.

Course fee: \$195.00. Registration deadline: July 25, 2011. Space is limited to 15 participants.

Visit our web site to print additional applications for this workshop.

<http://education.sdsc.edu/teachertech>