Lesson Plan

Daily Lesson Plan for: Ana Brickhouse

Course: Computer Programming  Date: TBA  Length of Class: 90 Minute

Topic of Lesson: Unit 1: Introduction to Alice (Day 1 of 5)

Essential Questions:

**Essential Question 1:** What impact does learning Alice have on your understanding of the world around you?

**Essential Question 2:** How does the virtual world of Alice relate to the real world around you?

Essential Question 3: How do you add sound?

Essential Question 4: How do you make an object move?

Objective: The student will be able to:

- use the Alice programming environment to create Alice programs
- add sound
- create a 3D effect

Standards: VA SOL COM. 4, VA SOL COM. 5, VA SOL COM. 7, VA SOL COM. 8

Materials: Textbook Chapter 1 pgs 3 – 16

PowerPoint – Ch01Day1Slides1 with class notes

Chapter 1 Tutorials Worksheets (posted on share point)

Hardware: Projector, SmartBoard (if available)

http://www.alice.org/index.php?page=what_is_alice/what_is_alice

Key Terms: world, object, play, gallery, scene editor, initial scene, camera

Procedure:

**Warm-up/Preparation for Learning: (5 minutes)**

1. Pass out Alice and notes handout
2. Set up PowerPoint presentation – Ch01Day1Slides1.ppt
3. Set up Alice Tutorial 1

**Directed Assistance/Learning Activity: (80 minutes)**

1. Discuss journal entries from last class.  5 minutes
2. Discuss essential questions.  5 minutes
3. Use the power point presentation to motivate the use of Alice and to discuss how to open Alice and access the tutorials.  20 minutes
4. Assign pairs for Chapter 1  5 minutes
5. Pairs begin work on Beach Scene World  45 minutes

**Closure/Reflection on Learning: (10 minutes) (Closure activities may be oral or written.)**

1. Explain how to create a new virtual world.
2. Explain how to add objects to a virtual world.
3. Name the different parts of the Alice programming environment and explain what each part does.
4. Explain how to add Sound
5. Explain how to add a 3D effect.

Assessment/Evaluation:

Methods Assessment

Journal Entries
Lesson Plan

Assignment:
None

How does the virtual world of Alice relate to the real world around you?