Modified on 2/22/11

ED 101 Educational Technology Lab – Spring 2011
Boston University – School of Education

LESSON PLAN

Requirement	***Your Answer***	***Points***
LESSON BASICS (28 pts.)		
Your Name	Liza Gosselin	
Your ED101 Lab Section	Friday, 11:30-12:30	
School	Harrington Elementary School, Lexington, MA	(1 pt.)
Grade(s) Observing	1st Grade	(1 pt.)
Supervising Teacher	Geri O'Neill	(1 pt.)
List any teaching help you may have during the lesson	Classroom teacher, technology specialist	(2 pts.)
Setting (in class, in computer lab, other?)	In the classroom computer stations, over the projector	(1 pt.)
Technology needed to complete lesson	Overhead projector, computer station	(3 pts.)
Other materials needed	Flower diagram and writing handouts (attached)	(2 pts.)
Content Area(s)	Science	(1 pt.)
Title of web site	"All About Plants"	(1 pt.)
Topic of Lesson	The Life Cycle of Plants	(1 pt.)
Goals of the Lesson	Students should come from this site understanding the life cycle of plants, different types of plants, how plants grow, and the different parts of a plant.	(4 pts.)
Three Objectives	Students will be able to accurately diagram the stem, roots, leaves, and flower of a plant. Students will be able to define germination and describe the process in at least three different stages. Students will be able to compare and contrast two different types of plants (i.e. trees, vegetables, flowers, herbs, cacti) in a venn diagram.	(10 pts.)
STANDARDS (20 pts.)		
Technology standard	Standard 1. Demonstrate proficiency in the use of computers and applications, as well as an understanding of the concepts underlying hardware, software, and connectivity.	(10 pts.)

	Exploratory Skills and Expectations: Internet and Multimedia ***K-2: 1.10 Demonstrate the ability to use tools in painting and/or drawing programs.***	
Curriculum Framework	•Massachusetts Science and Engineering Standards •Life Sciences (Biology) •Characteristics of Living Things ***13. Recognize that plants and animals have life cycles, and that life cycles vary for different living things.***	(10 pts.)
LESSON PROCEDURE (30 pts.)		
Introduction of Lesson	The students will, as they are called on for preparedness, take their chairs to the rug in their classroom so that they can properly seen the screen for the demonstration. Pulling up the projection, I will show the students the home page and demonstrate different parts of the site so that they know how to navigate it properly. I will introduce the material by asking the students what they know about plants. For example: •"Are plants alive?" •"What different types of plants can you think of?" •"Do you know what plants start out as in the soil?" •"What do plants need to survive and grow?"	(5 pts.)
Lesson Procedure, Web Site Use, and Technology Standard	The lesson will start out with the students gathered at the front of the room at the projector. There will be a brief lecture, using the website as a guide, regarding different aspects of plant life. I will talk about different types of plants and how they are alike and dissimilar, the process and stages of germination, and the different parts of a flower. Then, the students will split into stations. There will be four separate stations: computers, flower diagrams, writing, and venn diagrams. The students, in their pre-designated groups, will rotate throughout the stations during the time period. They will have approximately 15 minutes at each station (60 minutes total). Computers	(25 pts.)

	•While at the computers, students will navigate through the website in order to find out information on plants and how they are used. •There will be one free computer for students at another station who need to check information from the website. •The students will have a worksheet with fill in the blanks that they will use to write down information on the website. •Eg. Many plants, especially vegetables, start growing as a ____.(Answer: seed.) •After reading all of the pages, the students will use KidPix in order to draw their own flowers. •The students will follow the sheets of paper next to the computer (with just words, no images) in order to complete their flowers. •At the end, students can save their flowers to be printed. Flower Diagram •The students at this station will be given a handout that I have given them. On this worksheet will be the image of a flower and four lines indicating the different parts of a flower. •The students will complete the diagram by filling in the correct terms on the blanks. •After they have completed the diagram, the students can color in the picture. Writing •The students will have a page where they can draw a picture and have a space to write. •Students will be instructed to write about how plants grow and germination. They will be asked to describe at least three different stages of germination. Venn Diagrams •The students will be instructed to choose two different types of plants and compare and contrast them with one another. •The students will use the given venn diagram sheet in order to write different or similar qualities of the plants of their choosing.	
ASSESSMENT (22 pts.)		
How will students be assessed?	The students, in the applicable stations, will work on the different worksheets, described above, which will allow for assessment.	(5 pts.)
How will you know if	•Students will be able to accurately diagram the stem,	(7 pts.)

students have met the objectives stated above?	roots, leaves, and flower of a plant. •The students will demonstrate if they have met this objective in completing the flower diagram at the applicable station. Students will be able to define germination and describe the process in at least three different stages. •This objective will be assessed by examining their writing samples from the writing station. Students will be able to compare and contrast two different types of plants (i.e. trees, vegetables, flowers, herbs, cacti) in a venn diagram. •At the venn diagram station, the students will complete the worksheet in order to meet this objective.	
Web-based Quiz	1. Flowers need soil, air, water, and _____ to grow. a. a roof over their heads b. **sunlight** c. petals 2. Germination is... a. the flower of the plant opening up. b. when the flowers create new flowers. **c. how the seed slowly turns into a flower.** 3. What part of the plant is the arrow pointing at? [There will be an image of a plant with the arrow pointing at the stem.] **a. stem** b. leaf c. roots d. flower 4. A vegetable is: a. a type of tree. **b. a part of a plant.** c. a type of herb. 5. Cacti can grow in hot climates because... **a. they store water inside.** b. they don't need water. c. they are not alive.(10 pts)	(10 pts)