

**ED 101 Educational Technology Lab – Spring 13
Boston University – School of Education**

<h1>LESSON PLAN</h1>

Grade, Content Area, Topic of Lesson	<i>6th Grade science: Respiratory System.</i>
Objective	<i>Students will be able to correctly identify and describe the purpose of the major organs in the respiratory system, with at least 85% accuracy, when given a drawing of the human body.</i>
Technology standard	<p><i>Technology Standards found at:</i> http://www.doe.mass.edu/edtech/standards/itstand.pdf</p> <p>Standard 3. Demonstrate the ability to use technology for research, critical thinking, problem solving, decision making, communication, collaboration, creativity, and innovation.</p> <p>Research: <i>G6-8: 3.2 Collect, organize, and analyze digital information from a variety of sources, with attribution.</i></p>
Curriculum Framework	<p><i>Curriculum Frameworks found at:</i> http://www.doe.mass.edu/frameworks/current.html</p> <ul style="list-style-type: none"> ➤ Massachusetts Science and Technology/Engineering Standards ➤ Life Science (Biology), Grades 6-8 ➤ Systems in Living Things <p><i>6. Identify the general functions of the major systems of the human body (digestion, respiration, reproduction, circulation, excretion, protection from disease, and movement, control, and coordination) and describe ways that these systems interact with each other.</i></p>
Materials, Resources, Technology, Personnel	<i>The students will need computers with access to the internet to complete this lesson. I will provide handouts with drawings of the human body so the students can practice identifying the major organs and defining their purposes in the system, and to test their knowledge a week after the lesson. They will also need a notebook or piece of paper for note taking.</i>
Lesson Introduction (5 minutes)	<i>I will start the lesson by asking students to take deep breaths. I will ask them why they think it's important to breath and what parts of the body they feel like they're using as they inhale and exhale. Then, we will look at a drawing of the respiratory system as a class, and try to identify the body parts in it and how they are used.</i>

<p>Guided Activity (10 – 15 minutes)</p>	<p><i>After we have established our level of prior knowledge on the respiratory system, I will ask students to go to the web site. We will go through each page together, having students take turns reading. Working together will provide students with a better opportunity to ask questions. After we have completed my web site, I will provide students with links to other sites about the respiratory system. We will explore a few of these sites and examine the new knowledge found on them.</i></p>
<p>Independent Student Activity (10-15 minutes)</p>	<p><i>Students will spend 5-10 minutes gathering data from a variety of the links I provided and noting them on a piece of paper. After they have collected a decent amount of data, I will separate them into groups where they will compile the new information they gained, and discuss the purposes of the organs they are studying.</i> <i>At the end of work time, I will allow students to return to my original web site to review on their own and do the practice quiz when they feel ready.</i></p>
<p>Wrap-Up of Lesson (Closure) (5 minutes)</p>	<p><i>To complete the lesson, we will return to a class discussion on the respiratory system and why it is important. We will also acknowledge how the other sites added to our comprehension of the respiratory system. Each student must share at least one new or interesting fact about the system that they feel was essential to our lesson. Then, students will complete the handout of the respiratory system that I provided with a partner.</i></p>
<p>How will students be assessed to make sure they are able to perform the objective?</p>	<p><i><u>Objective:</u> Students will be able to correctly identify and describe the purpose of at least 6/8 of the major organs in the respiratory system when given a drawing of the human body.</i> <i><u>Assessment</u> Students will be provided with the web site URL and asked to study it as homework for one week. When I return the next week, I will provide another handout of the respiratory system and ask the students to name and define the purpose of each organ.</i></p>