

BSC 307 5-E Model Lesson Plan Form

<b>Title:</b> Taxonomy	<b>Grade Level:</b> 9th
<b>Objectives:</b> The students will identify differences between organisms based on visual traits The students will recognize the importance of a hierarchy in grouping organisms The students will utilize a dichotomous key to classify organisms	
<b>Illinois Learning Standards:</b> ILS I 12 A 4 Apply scientific inquiries or technological designs to compare taxonomic criteria among organisms, examining unicellular, colonial, and multi-cellular organisms for common and differing characteristics.	
<b>Engagement:</b> Students will be introduced to the concept of taxonomy and classification. Students will be asked what things they can classify and a demonstration video will be shown to grab the student's attention.	
<b>Exploration:</b> Students will independently compete in a 3 minute "race" through a dichotomous key as a way to understand how to classify organisms.	
<b>Explanation:</b> The class will pass their papers to their neighbors and grade the key. The student who gets the most answers correct will be asked to explain how they did so. A discussion of the importance of going step by step to properly answer the key will follow.	
<b>Extension:</b> A second activity worksheet will be given to the students that is easier than the first worksheet. Students will be able to take the lessons from the previous worksheet and apply the lessons to this worksheet.	
<b>Evaluation(Assessment Strategies):</b> Evaluation will be based on the students' answers in the discussion during the "explanation" phase and the students' answers on the Coral Reef worksheet in the "extension" phase.	