

## UAB Formal Lesson Plan Template

Lesson Plan		
Subject/Grade: Environmental Science; 11	Period/Time Frames: 2, 4, 5	
Time Allotment: <u>90</u> minutes	Teaching Date: 11/22-23	
<b>Standards (National/State) - Standard # and Standard:</b> National Science Standards: <a href="#">NS.9-12.6</a> ; 12.) Identify positive and negative effects of human activities on biodiversity.		
<b>Student Outcomes:</b> The students will: - Explain four ways in which biodiversity is important to ecosystems and humans. -List and describe three levels of biodiversity. -Describe the diversity of species types on Earth, relating the difference between known numbers and -estimated numbers.		
<b>Major Concepts:</b> <u>Human population</u> Population Density Dispersion Growth rate		
<b>Materials/Media/Technology:</b> Lab top, projector, card stock, folders, and handouts		
<b>Assessment:</b> Diagnostic – Before student work begins: Bell Ringer: Benefits of Biodiversity Video and leading question	Formative/Informal – During lesson: Document participation on checklist	Summative/Formal – After lesson: Biodiversity reading passage
<b>Teaching/Learning Procedures:</b>		
Step and time allocation (min)	Teaching/Learning Activities	Handouts, supplies, points to remember
<i>Launch/Engage</i> <u>10</u> min	Bell Ringer: Benefits of Biodiversity Video	Put in composition notebook, or loose leaf paper
<i>Investigation</i> <u>50</u> min	Discussion: Discussion Benefits of Biodiversity Video Mini Lecture & Higher Order Thinking Questions regarding: Four Benefits of Biodiversity -Strong Ecosystem -Population Survival -Genetic Diversity -Aesthetics	Prezi Guided Questions for Personal Response paper Checklist and clip board
<i>Differentiation</i> <u>15</u> min	Visual materials; Outline of important facts; Presentation of material in small steps	
<i>Closure</i> <u>15</u> min	Summarize main concepts; introduce agenda for next day	
<b>Homework:</b> Students should complete Personal Response Paper		
<b>Professional Reflection:</b> Benefits of biodiversity video were that students found it engaging. Students reacted well when told they only had four notes to take for the day. The discussion was fairly interactive.		