

## Scope and Sequence

| Subject/Title of Unit  | Grade  | 6 Weeks  | Estimated Time Frame (# of days) |
|--|--|--|----------------------------------|
| Science<br>Climates and<br>Climate<br>Changes  | Eighth   | 4 <sup>th</sup> Six Weeks  | 2 Weeks                          |
| <b>TEKS/Student Expectations</b>   |  | <b>Examples/Specifications:</b>  |                                  |
| <p>(11)</p> <p>(A) identify that change in environmental conditions can affect the survival of individuals and of species;</p> <p>(14)</p> <p>(B) analyze how natural or human events may have contributed to the extinction of some species; and</p> <p>(C) describe how human activities have modified soil, water, and air quality.</p> |  | <p>11 A- explain how the environment is constantly being changed by the changes in climates</p> <p>14 A and B- discuss climates and changes in the climates, discuss how this affects species around the world</p> |                                  |
| <b>Language of Instruction:</b>  |  | <b>Instructional Resources/Textbook Correlations:</b>  |                                  |
| Climate<br>Windward<br>Leeward<br>Tropical zone<br>Polar zone<br>Temperate zone<br>Marine climate<br>Continental climate<br>El Nino<br>Microclimate<br>Rain forest<br>Savanna<br>Desert<br>Steppe  | Humid subtropical<br>Subarctic<br>Tundra<br>Permafrost<br>Ice age<br>Sunspot<br>Carbon cycle<br>Greenhouse gas<br>Global warming | Prentice Hall Science Explorer Textbook and Guided Reading Workbook<br>Chapter 15  |                                  |
|  |  | <b>Weblinks/Other Resources:</b>   |                                  |
|  |  |  |                                  |

| <b>Evaluation/External Assessment/Local Assessment:</b>                  | <b>Best Instruction Timeline:</b>  |
|--|--|
| Teacher Test<br>Presentation of how climates affect species of the world | 4 days- What are climates and the climate zones<br>4 days- how are climates changing<br>2 days- what are the affects of climates and the changes in climates on the species of the world |