



*7th Grade Science
Curriculum & Instruction
Unit Development*



Unit Title: Succession	Time Frame: 1 week
Six Weeks: 5th	Unit Number: 5.6
Curriculum	
Enduring Understandings (Big Ideas): <ul style="list-style-type: none">• Biodiversity is a result of a constantly changing environment.• The environment is constantly changing.	The student will know: <ul style="list-style-type: none">• Events and processes that occur during ecological succession can change populations and species diversity. The student will be able to: <ul style="list-style-type: none">• Describe the role of ecological succession in a given habitat.
Essential Questions: <ul style="list-style-type: none">• How are the biotic and abiotic factors affected in a constantly changing environment?	
Student Understanding (student friendly TEKS): <ul style="list-style-type: none">• I can identify and describe how an ecosystem changes over time.	
TEKS: Objectives/TEKS 1A, B, 3D, 4B, 10C PROCESS SKILLS <ul style="list-style-type: none">• 1A - demonstrate safe practices during laboratory and field investigations as outlined in the Texas Safety Standards; and• 1B - practice appropriate use and conservation of resources, including disposal, reuse, or recycling of materials.• 3D - relate the impact of research on scientific thought and society, including the history of science and contributions of scientists as related to the content.• 4B - use preventative safety equipment, including chemical splash goggles, aprons, and gloves, and be prepared to use emergency safety equipment, including an eye/face wash, a fire blanket, and a fire extinguisher.	



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CONTENT

- *10C Supporting Standard – Observe, record, and describe the role of ecological succession such as in a microhabitat of a garden with weeds.*

Targeted College Readiness Standards:

VI.G.4

Targeted ELPs:

Learning Strategies: C1D
Listening: C2D, C2F, C2G, C2H, C2I
Speaking: C3D, C3E, C3H
Reading: C4D, C4G
Writing: C5B, C5G

Academic Vocabulary:

ecological succession

Language of Instruction:

Microhabitat, primary succession, secondary succession, species, diversity, biodiversity, abiotic, biotic

Instruction

Instructional Resources:

Textbook: Chapter 15, Section 2

[Succession 9 square puzzle](#)

[Succession comic strip](#)

[Succession Activity Ideas \(PBS Field Guide\)](#)

[Succession Notes](#)

[Pond Succession](#)

Lab Activities:

[Successful Succession](#)



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<p>Powerpoints Ecological Succession Ecological Succession (Fill in Blanks) Succession Examining the stages in ecological succession</p> <ul style="list-style-type: none">Life after people episodes – history channel http://www.history.com/content/life_after_people <p><u>TAKS Science Preparation Guide Grade 7 – Region 4 (Yellow Book)</u></p> <ul style="list-style-type: none">Ecological Succession – pg. 83 <p>100 Activities Warm up to Science (Blue Book) pg.144 - 147</p>	
<p>Technology:</p>	<p>Career Connections/Real Life Application:</p>
<p>Exemplar Lessons:</p>	<p>Research Based Instructional Strategies:</p>
<p>Assessment</p>	
<p>Student self-assessment & reflection:</p>	<p>Acceptable evidence or artifacts:</p>