







## Wylie ISD Curriculum

<b>Subject Area</b>	Science	<b>Bundle #:</b>	4
<b>Grade/Level</b>	3	<b>Weeks:</b>	10-12
<b>Overview</b>			
<b>TEKS - Texas Knowledge &amp; Skills</b>			
<b>Knowledge &amp; Skill Statement</b>	<b>Student Expectation</b>	<b>Student Learning Outcome Clarification</b>	
<p><b>3.11 The student knows that the natural world includes earth materials and objects in the sky.</b></p>	<p><b>3.11C</b> Identify the planets in our solar system and their position in relation to the Sun.</p>	<p>Including</p> <ul style="list-style-type: none"> <li>• Recognize that the Earth’s solar system includes the sun and the planets that move around it.                             <ul style="list-style-type: none"> <li>▪ Define orbit as the path planets follow to move around the Sun.</li> <li>▪ Define rotation as the movement of a planet on its axis.</li> <li>▪ Define revolution as the movement of a planet around the Sun</li> </ul> </li> <li>• List the Planets in order from the sun and in relationship to each other:                             <ul style="list-style-type: none"> <li>▪ Mercury</li> <li>▪ Venus</li> <li>▪ Earth</li> <li>▪ Mars</li> <li>▪ Jupiter</li> <li>▪ Saturn</li> <li>▪ Uranus</li> <li>▪ Neptune</li> <li>▪ Pluto</li> </ul> </li> </ul>	
	<p><b>3.11D</b> Describe the characteristics of the Sun.</p>	<p>Including</p> <ul style="list-style-type: none"> <li>• Medium size star</li> <li>• Made of gases</li> <li>• Inexhaustible source of heat and light energy</li> <li>• Solar flares</li> <li>• Sun spots</li> <li>• Corona</li> <li>• Color</li> </ul>	







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<b>Subject Area</b>	Science	<b>Bundle #:</b>	8
<b>Grade/Level</b>	3	<b>Weeks:</b>	22-24
<b>Overview</b>			
<b>TEKS - Texas Knowledge &amp; Skills</b>			
<b>Knowledge &amp; Skill Statement</b>	<b>Student Expectation</b>	<b>Student Learning Outcome Clarification</b>	
<p><b>3.8 The student knows that living organisms need food, water, light, air, a way to dispose of waste, and an environment in which to live.</b></p>	<p><b>3.8A</b> Observe and describe the habitats of organisms within an ecosystem.</p>	<p>Including</p> <ul style="list-style-type: none"> <li>• Define an organism as any one living thing, plant and animal and know basic needs of each. (reference 2.9A and B)</li> <li>• Types of major ecosystems                             <ul style="list-style-type: none"> <li>▪ Forest                                     <ul style="list-style-type: none"> <li>○ Rainforest</li> <li>○ Deciduous</li> <li>○ Temperate</li> </ul> </li> <li>▪ Oceans</li> <li>▪ Freshwater                                     <ul style="list-style-type: none"> <li>○ Lakes</li> <li>○ Ponds</li> <li>○ Streams</li> </ul> </li> <li>▪ Tundra</li> <li>▪ Desert</li> <li>▪ Grassland (Prairie/Savannah)</li> <li>▪ Wetlands</li> </ul> </li> <li>• Ecosystems have varied habitats where organisms live</li> <li>• Define habitat as a place where organisms live and grow based on their particular needs.</li> <li>• Define niche as a role and organism plays in its environment.</li> </ul>	



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		<ul style="list-style-type: none"><li>• Survival of the species depends on successful reproduction</li><li>• Specific adaptations<ul style="list-style-type: none"><li>▪ Animal<ul style="list-style-type: none"><li>○ Bird beaks and feet</li><li>○ Skin coloration</li><li>○ Opposable thumb in primates</li><li>○ Gills in fish</li></ul></li><li>▪ Plants<ul style="list-style-type: none"><li>○ Thorns on plants</li><li>○ Waxy skin on desert plants</li></ul></li></ul></li><li>• Extinction is when a species no longer exists</li><li>• Endangered species are those that are on the brink of extinction</li></ul>
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<b>Subject Area</b>	Science	<b>Bundle #:</b>	10
<b>Grade/Level</b>	3	<b>Weeks:</b>	28-30
<b>Overview</b>			
<b>TEKS - Texas Knowledge &amp; Skills</b>			
<b>Knowledge &amp; Skill Statement</b>	<b>Student Expectation</b>	<b>Student Learning Outcome Clarification</b>	
<p><b>3.9The student knows that species have different adaptations that help them survive and reproduce in their environment.</b></p>	<p><b>3.9B</b> Analyze how adaptive characteristics help individuals within a species to survive and reproduce.</p>	<p>Including</p> <ul style="list-style-type: none"> <li>• Animals go through a life cycle from birth to death               <ul style="list-style-type: none"> <li>▪ Frog (tadpoles)</li> </ul> </li> <li>• Adaptation is an inherited trait (species specific) that helps an organism meet its needs and survive</li> <li>• Adaptation may aid in               <ul style="list-style-type: none"> <li>▪ Getting food</li> <li>▪ Protection</li> <li>▪ Reproduction</li> <li>▪ Water/heat conservation</li> <li>▪ Getting oxygen</li> </ul> </li> <li>• Survival of the species depends on successful reproduction</li> <li>• Specific adaptations               <ul style="list-style-type: none"> <li>▪ Animal                   <ul style="list-style-type: none"> <li>○ Bird beaks and feet</li> <li>○ Skin coloration</li> <li>○ Opposable thumb in primates</li> <li>○ Gills in fish</li> </ul> </li> <li>▪ Plants                   <ul style="list-style-type: none"> <li>○ Thorns on plants</li> <li>○ Waxy skin on desert plants</li> </ul> </li> </ul> </li> <li>• Extinction is when a species no longer exists</li> <li>• Endangered species are those that are on the brink of extinction</li> </ul>	



