

Wylie ISD Curriculum

Subject Area	Science	Bundle #:	1
Grade/Level	4	Weeks:	1-3
Overview			
TEKS - Texas Knowledge & Skills			
Knowledge & Skill Statement	Student Expectation	Student Learning Outcome Clarification	
<p>4.7 The student knows that matter has physical properties.</p>	<p>4.7A Observe and record changes in the states of matter caused by the addition or reduction of heat.</p> <p>4.7B Conduct tests, compare data, and draw conclusions about physical properties of matter.</p>	<p>Including</p> <ul style="list-style-type: none"> • States of matter <ul style="list-style-type: none"> ▪ Liquid <ul style="list-style-type: none"> ○ Freezing ○ Evaporation ▪ Solid <ul style="list-style-type: none"> ○ Melting ○ Dissolving ▪ Gas <ul style="list-style-type: none"> ○ Condensation <p>Including</p> <ul style="list-style-type: none"> • States of matter <ul style="list-style-type: none"> ▪ Liquid ▪ Solid ▪ Gas ▪ Introduce the idea of plasma (reaction in the Sun, microwave ovens, lightening) ▪ Volume and mass of solids 	

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Subject Area	Science	Bundle #:	3
Grade/Level	4	Weeks:	7-9
Overview			
TEKS - Texas Knowledge & Skills			
Knowledge & Skill Statement	Student Expectation	Student Learning Outcome Clarification	
<p>4.5 The student knows that complex systems may not work if some parts are removed.</p> <p>4.6 The student knows that change can create recognizable patterns.</p>	<p>4.5B Predict and draw conclusions about what happens when a part of a system is removed.</p> <p>4.6B Illustrate that certain characteristics of an object can remain constant even:</p> <p>4.6C Use reflections to verify that a natural object has symmetry.</p>	<p>Including parts of nonliving systems</p> <ul style="list-style-type: none"> • A light bulb in a circuit • Flashlight and electrical circuit • Doorbell in a circuit <p>Including</p> <ul style="list-style-type: none"> • When the object is rotated like a spinning top (rotation) • Translated like a skater moving in a straight line (translation) • Reflected on a smooth surface (reflection) <p>Including:</p> <ul style="list-style-type: none"> • Leaves • Insects • Shells 	

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Subject Area	Science	Bundle #:	7
Grade/Level	4	Weeks:	19-21
Overview			
TEKS - Texas Knowledge & Skills			
Knowledge & Skill Statement	Student Expectation	Student Learning Outcome Clarification	
<p>4.10 Science concepts. The student knows that certain past events affect present and future events. The student is expected to:</p> <p>4.6 Science concepts. The student knows that change can create recognizable patterns. The student is expected to:</p>	<p>4.10(A) Identify and observe effects of events that require time for changes to be noticeable including growth, erosion, dissolving, weathering, and flow; and</p> <p>4.6(A) Identify patterns of change such as in weather, metamorphosis, and objects in the sky;</p>	<p>Including:</p> <ul style="list-style-type: none"> • Flow <ul style="list-style-type: none"> ○ Water ○ Sediment ○ Lava ○ Movement of earth plates <ul style="list-style-type: none"> ▪ Earthquakes ▪ Fault lines • Erosion <ul style="list-style-type: none"> ○ Wind ○ Water • Weathering <ul style="list-style-type: none"> ○ Wind ○ Rain ○ Temperature <ul style="list-style-type: none"> ▪ Freezing/ Thawing ▪ Expansion/ Contraction ▪ Global Warming 	

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	4.11(B) Summarize the effects of the oceans on land;	<ul style="list-style-type: none"> value) • Rock types and how they are formed • Energy of water and daily affects of tides/moon (4.6A) • Coastal weathering and erosion • Redistribution of soil • Deposition of sediment (introduce) • Climate
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Subject Area	Science	Bundle #:	9
Grade/Level	4	Weeks:	25-27

Overview

TEKS - Texas Knowledge & Skills		
Knowledge & Skill Statement	Student Expectation	Student Learning Outcome Clarification
4.10 Science concepts. The student knows that certain past events affect present and future events. The student is expected to:	4.10B Draw conclusions about "what happened before" using fossils or charts and tables.	<ul style="list-style-type: none"> • Using Fossils <ul style="list-style-type: none"> ○ Location where fossils are found ○ Trace ○ Mold ○ Cast ○ Geological charts, tables and timelines

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Subject Area	Science	Bundle #:	10
Grade/Level	4	Weeks:	28-30
Overview			
TEKS - Texas Knowledge & Skills			
Knowledge & Skill Statement	Student Expectation	Student Learning Outcome Clarification	
<p>4.8 The student knows that adaptations may increase the survival of members of a species.</p> <p>4.9 The student knows that many likenesses between offspring and parents are inherited or learned.</p> <p>4.6 The student knows that change can create recognizable patterns.</p>	<p>4.8C Identify the kinds of species that lived in the past and compare to existing species.</p> <p>4.9A Distinguish between inherited traits and learned characteristics.</p> <p>4.9B Identify and provide examples of inherited traits and learned characteristics.</p>	<p>Including</p> <ul style="list-style-type: none"> • Elephant/wooly mammoth • Vulture/ Archaeopteryx • Sharks • Turtles • Alligators/ Crocodiles • Cockroaches • Armadillo/prehistoric armadillo <p>Including inherited traits:</p> <ul style="list-style-type: none"> • Physical characteristics <ul style="list-style-type: none"> ▪ Eye color ▪ Hair color ▪ Animal body parts • Migration • Hibernation • Instincts <p>Including learned characteristics:</p> <ul style="list-style-type: none"> • Hunting behavior • Reading • Writing • Riding a bicycle • Human language development • Animal communication <p>Including inherited traits:</p> <ul style="list-style-type: none"> • Physical characteristics <ul style="list-style-type: none"> ▪ Eye color ▪ Hair color ▪ Animal body parts • Migration • Hibernation • Instincts <p>Including learned characteristics:</p> <ul style="list-style-type: none"> • Hunting behavior 	

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	4.6A Identify patterns of change	<ul style="list-style-type: none"> • Reading • Writing • Riding a bicycle • Human language development • Animal communication • Metamorphosis of insects <ul style="list-style-type: none"> ▪ Mealworms/tadpoles/butterflies/dragonflies
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Subject Area	Science	Bundle #:	11
Grade/Level	4	Weeks:	31-33
Overview			

TEKS - Texas Knowledge & Skills		
Knowledge & Skill Statement	Student Expectation	Student Learning Outcome Clarification
4.8 The student knows that adaptations may increase the survival of members of a species.	4.8A Identify the characteristics that allow members within a species to survive and reproduce. 4.8B Compare adaptive characteristics of various species.	Including <ul style="list-style-type: none"> • Animals <ul style="list-style-type: none"> ▪ Body parts ▪ Body coverings ▪ Camouflage ▪ Mimicry ▪ Defense mechanisms against predators and climate Including <ul style="list-style-type: none"> • Birds <ul style="list-style-type: none"> ▪ Beaks ▪ Feet ▪ Legs ▪ Wings ▪ Coloration • Mammals <ul style="list-style-type: none"> ▪ Hair/fur ▪ Coloration ▪ Locomotion ▪ Obtaining food ▪ Response to danger

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		<ul style="list-style-type: none">• Insects<ul style="list-style-type: none">▪ Coloration▪ Locomotion▪ Obtaining food▪ Shape▪ Response to danger
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