

Properties of Matter

Process: Tools to Know		Notes	Check Up		
Investigations	☐ I can plan and conduct investigations and design solutions. 4.1(A), 4.1(B), 4.1(C), 4.2(D), 4.5(A)				
Tools and Equipment	☐ I can use appropriate tools and equipment. 4.1(D)				
Information	☐ I can collect and record information. 4.1(E), 4.1(F)				

Content		Notes	Check Up		
Physical Properties	☐ I can classify and describe matter using observable physical properties, including: 4.6(A) ☐ temperature ☐ mass ☐ magnetism ☐ relative density (the ability to sink or float in water) ☐ physical state (solid, liquid, gas)				
Mixtures	☐ I can investigate and compare a variety of mixtures, including: 4.6(B) ☐ solutions that are composed of liquids in liquids ☐ solutions that are composed of solids in liquids				
	☐ I can demonstrate that matter is conserved when mixtures are formed. 4.6(C)				

Process: Ways to Show		Notes	Check Up		
Models/Information	☐ I can develop and use models/information. 4.1(G), 4.2(A), 4.5(C)				
Data	☐ I can analyze and interpret data. 4.2(B), 4.2(C)				
Explanations/Solutions	☐ I can develop and communicate explanations/solutions. 4.3(A), 4.3(B), 4.3(C), 4.5(A), 4.5(B)				
Interdependence	☐ I can explain interdependence. 4.5(D), 4.5(E), 4.5(F), 4.5(G)				
Science and the Real World	☐ I can connect science with the real world. 4.4(A), 4.4(B)				

Force and Motion

Process: Tools to Know		Notes	Check Up		
Investigations	☐ I can plan and conduct investigations and design solutions. 4.1(A), 4.1(B), 4.1(C), 4.2(D), 4.5(A)				
Tools and Equipment	☐ I can use appropriate tools and equipment. 4.1(D)				
Information	☐ I can collect and record information. 4.1(E), 4.1(F)				

Content		Notes	Check Up		
Investigating Force	☐ I can plan and conduct descriptive investigations to explore the patterns of forces. 4.7(A)				

Process: Ways to Show		Notes	Check Up		
Models/ Information	☐ I can develop and use models/information. 4.1(G), 4.2(A), 4.5(C)				
Data	☐ I can analyze and interpret data. 4.2(B), 4.2(C)				
Explanations/ Solutions	☐ I can develop and communicate explanations/solutions. 4.3(A), 4.3(B), 4.3(C), 4.5(A), 4.5(B)				
Interdependence	☐ I can explain interdependence. 4.5(D), 4.5(E), 4.5(F), 4.5(G)				
Science and the Real World	☐ I can connect science with the real world. 4.4(A), 4.4(B)				

Energy

Process: Tools to Know		Notes	Check Up		
Investigations	☐ I can plan and conduct investigations and design solutions. 4.1(A), 4.1(B), 4.1(C), 4.2(D), 4.5(A)				
Tools and Equipment	☐ I can use appropriate tools and equipment. 4.1(D)				
Information	☐ I can collect and record information. 4.1(E), 4.1(F)				

Content		Notes	Check Up		
Transfer of Energy	☐ I can investigate and identify the transfer of energy by: 4.8(A) ☐ objects in motion ☐ waves in water ☐ sound				
Electrical Energy	☐ I can identify conductors and insulators of: 4.8(B) ☐ thermal energy ☐ electrical energy				
	☐ I can demonstrate and describe how electrical energy travels in a closed path that can produce: 4.8(C) ☐ light energy ☐ thermal energy				

Process: Ways to Show		Notes	Check Up		
Models/Information	☐ I can develop and use models/information. 4.1(G), 4.2(A), 4.5(C)				
Data	☐ I can analyze and interpret data. 4.2(B), 4.2(C)				
Explanations/Solutions	☐ I can develop and communicate explanations/solutions. 4.3(A), 4.3(B), 4.3(C), 4.5(A), 4.5(B)				
Interdependence	☐ I can explain interdependence. 4.5(D), 4.5(E), 4.5(F), 4.5(G)				
Science and the Real World	☐ I can connect science with the real world. 4.4(A), 4.4(B)				

Student Learning Report: Grade 4 Science

Name _____

Space

Process: Tools to Know		Notes	Check Up		
Investigations	☐ I can plan and conduct investigations and design solutions. 4.1(A), 4.1(B), 4.1(C), 4.2(D), 4.5(A)				
Tools and Equipment	☐ I can use appropriate tools and equipment. 4.1(D)				
Information	☐ I can collect and record information. 4.1(E), 4.1(F)				

Content		Notes	Check Up		
Seasons	☐ I can collect and analyze data to: 4.9(A) ☐ identify sequences in seasons ☐ predict patterns of change in seasons				
Appearance of the Moon	☐ I can collect and analyze data to: 4.9(B) ☐ identify sequences in the observable appearance of the Moon from Earth ☐ predict patterns of change in the observable appearance of the Moon from Earth				

Process: Ways to Show		Notes	Check Up		
Models/Information	☐ I can develop and use models/information. 4.1(G), 4.2(A), 4.5(C)				
Data	☐ I can analyze and interpret data. 4.2(B), 4.2(C)				
Explanations/Solutions	☐ I can develop and communicate explanations/solutions. 4.3(A), 4.3(B), 4.3(C), 4.5(A), 4.5(B)				
Interdependence	☐ I can explain interdependence. 4.5(D), 4.5(E), 4.5(F), 4.5(G)				
Science and the Real World	☐ I can connect science with the real world. 4.4(A), 4.4(B)				

Earth's Processes

Process: Tools to Know		Notes	Check Up		
Investigations	☐ I can plan and conduct investigations and design solutions. 4.1(A), 4.1(B), 4.1(C), 4.2(D), 4.5(A)				
Tools and Equipment	☐ I can use appropriate tools and equipment. 4.1(D)				
Information	☐ I can collect and record information. 4.1(E), 4.1(F)				

Content		Notes	Check Up		
Water Cycle	☐ I can describe and illustrate the continuous movement of water above and on the surface of Earth through the water cycle. 4.10(A)				
	☐ I can explain the role of the Sun as a major source of energy in the water cycle. 4.10(A)				
Earth's Changing Surface	☐ I can model and describe slow changes to Earth's surface caused by: 4.10(B) ☐ weathering from water, wind, and ice ☐ erosion from water, wind, and ice ☐ deposition from water, wind, and ice				
Weather and Climate	☐ I can differentiate between weather and climate. 4.10(C)				

Process: Ways to Show		Notes	Check Up		
Models/Information	☐ I can develop and use models/information. 4.1(G), 4.2(A), 4.5(C)				
Data	☐ I can analyze and interpret data. 4.2(B), 4.2(C)				
Explanations/Solutions	☐ I can develop and communicate explanations/solutions. 4.3(A), 4.3(B), 4.3(C), 4.5(A), 4.5(B)				
Interdependence	☐ I can explain interdependence. 4.5(D), 4.5(E), 4.5(F), 4.5(G)				
Science and the Real World	☐ I can connect science with the real world. 4.4(A), 4.4(B)				

Earth's Resources

Process: Tools to Know		Notes	Check Up		
Investigations	☐ I can plan and conduct investigations and design solutions. 4.1(A), 4.1(B), 4.1(C), 4.2(D), 4.5(A)				
Tools and Equipment	☐ I can use appropriate tools and equipment. 4.1(D)				
Information	☐ I can collect and record information. 4.1(E), 4.1(F)				

Content		Notes	Check Up		
Renewable and Nonrenewable Resources	☐ I can identify and explain the advantages of using Earth's natural resources. 4.11(A) ☐ renewable natural resources ☐ nonrenewable natural resources				
	☐ I can identify and explain the disadvantages of using Earth's natural resources. 4.11(A) ☐ renewable natural resources ☐ nonrenewable natural resources				
Resource Management	☐ I can explain the critical role of energy resources for modern life. 4.11(B)				
	☐ I can explain how conservation, disposal, and recycling of natural resources impact the environment. 4.11(B)				
Properties of Rocks	☐ I can determine the physical properties of rocks that allow Earth's natural resources to be stored there. 4.11(C)				

Process: Ways to Show		Notes	Check Up		
Models/Information	☐ I can develop and use models/information. 4.1(G), 4.2(A), 4.5(C)				
Data	☐ I can analyze and interpret data. 4.2(B), 4.2(C)				
Explanations/Solutions	☐ I can develop and communicate explanations/solutions. 4.3(A), 4.3(B), 4.3(C), 4.5(A), 4.5(B)				
Interdependence	☐ I can explain interdependence. 4.5(D), 4.5(E), 4.5(F), 4.5(G)				
Science and the Real World	☐ I can connect science with the real world. 4.4(A), 4.4(B)				

Organisms and Environments

Process: Tools to Know		Notes	Check Up		
Investigations	☐ I can plan and conduct investigations and design solutions. 4.1(A), 4.1(B), 4.1(C), 4.2(D), 4.5(A)				
Tools and Equipment	☐ I can use appropriate tools and equipment. 4.1(D)				
Information	☐ I can collect and record information. 4.1(E), 4.1(F)				

Content		Notes	Check Up		
Food Webs	☐ I can describe the cycling of matter and flow of energy through food webs, including the roles of: 4.12(B) ☐ the Sun ☐ producers ☐ consumers ☐ decomposers				
	☐ I can investigate and explain how most producers can make their own food using sunlight, water, and carbon dioxide through the cycling of matter. 4.12(A)				
Fossil Evidence of Past Environments	☐ I can identify and describe past environments based on fossil evidence, including common Texas fossils. 4.12(C)				

Process: Ways to Show		Notes	Check Up		
Models/Information	☐ I can develop and use models/information. 4.1(G), 4.2(A), 4.5(C)				
Data	☐ I can analyze and interpret data. 4.2(B), 4.2(C)				
Explanations/Solutions	☐ I can develop and communicate explanations/solutions. 4.3(A), 4.3(B), 4.3(C), 4.5(A), 4.5(B)				
Interdependence	☐ I can explain interdependence. 4.5(D), 4.5(E), 4.5(F), 4.5(G)				
Science and the Real World	☐ I can connect science with the real world. 4.4(A), 4.4(B)				

Structure, Function, and Traits

Process: Tools to Know		Notes	Check Up		
Investigations	☐ I can plan and conduct investigations and design solutions. 4.1(A), 4.1(B), 4.1(C), 4.2(D), 4.5(A)				
Tools and Equipment	☐ I can use appropriate tools and equipment. 4.1(D)				
Information	☐ I can collect and record information. 4.1(E), 4.1(F)				

Content		Notes	Check Up		
Plant Structure and Function	☐ I can explore and explain how plant structures enable them to survive in their environment. 4.13(A)				
	☐ I can explore and explain how plant functions enable them to survive in their environment. 4.13(A)				
Physical Traits	☐ I can differentiate between inherited and acquired physical traits of organisms. 4.13(B)				

Process: Ways to Show		Notes	Check Up		
Models/ Information	☐ I can develop and use models/information. 4.1(G), 4.2(A), 4.5(C)				
Data	☐ I can analyze and interpret data. 4.2(B), 4.2(C)				
Explanations/ Solutions	☐ I can develop and communicate explanations/solutions. 4.3(A), 4.3(B), 4.3(C), 4.5(A), 4.5(B)				
Interdependence	☐ I can explain interdependence. 4.5(D), 4.5(E), 4.5(F), 4.5(G)				
Science and the Real World	☐ I can connect science with the real world. 4.4(A), 4.4(B)				