

Properties of Matter

Process: Tools to Know		Notes	Check Up		
Investigations	☐ I can plan and conduct investigations and design solutions. 3.1(A), 3.1(B), 3.1(C), 3.2(D), 3.5(A)				
Tools and Equipment	☐ I can use appropriate tools and equipment. 3.1(D)				
Information	☐ I can collect and record information. 3.1(E), 3.1(F)				

Content		Notes	Check Up		
Physical Properties	☐ I can measure, test, and record physical properties of matter, including: 3.6(A) ☐ temperature ☐ mass ☐ magnetism ☐ the ability to sink or float in water				
	☐ I can predict, observe, and record changes in the state of matter caused by: 3.6(C) ☐ heating in a variety of substances ☐ cooling in a variety of substances				
	☐ I can describe and classify samples of matter as: 3.6(B) ☐ solids ☐ liquids ☐ gases				
	☐ I can demonstrate that: 3.6(B) ☐ solids have a definite shape ☐ liquids and gases take the shape of their container				
Materials Science	☐ I can demonstrate that materials can be combined based on their physical properties to create or modify objects. 3.6(D)				
	☐ I can justify the selection of materials based on their physical properties. 3.6(D)				

Process: Ways to Show		Notes	Check Up		
Models/Information	☐ I can develop and use models/information. 3.1(G), 3.2(A), 3.5(C)				
Data	☐ I can analyze and interpret data. 3.2(B), 3.2(C)				
Explanations/Solutions	☐ I can develop and communicate explanations/solutions. 3.3(A), 3.3(B), 3.3(C), 3.5(A), 3.5(B)				
Interdependence	☐ I can explain interdependence. 3.5(D), 3.5(E), 3.5(F), 3.5(G)				
Science and the Real World	☐ I can connect science with the real world. 3.4(A), 3.4(B)				

Force and Motion

Process: Tools to Know		Notes	Check Up		
Investigations	☐ I can plan and conduct investigations and design solutions. 3.1(A), 3.1(B), 3.1(C), 3.2(D), 3.5(A)				
Tools and Equipment	☐ I can use appropriate tools and equipment. 3.1(D)				
Information	☐ I can collect and record information. 3.1(E), 3.1(F)				

Content		Notes	Check Up		
Force Interactions	☐ I can demonstrate and describe forces acting on an object in contact or at a distance, including: 3.7(A) ☐ magnetism ☐ gravity ☐ pushes and pulls				
Investigating Force and Motion	☐ I can plan and conduct a descriptive investigation to demonstrate and explain how: 3.7(B) ☐ position can be changed by pushing and pulling objects ☐ motion can be changed by pushing and pulling objects				

Process: Ways to Show		Notes	Check Up		
Models/Information	☐ I can develop and use models/information. 3.1(G), 3.2(A), 3.5(C)				
Data	☐ I can analyze and interpret data. 3.2(B), 3.2(C)				
Explanations/Solutions	☐ I can develop and communicate explanations/solutions. 3.3(A), 3.3(B), 3.3(C), 3.5(A), 3.5(B)				
Interdependence	☐ I can explain interdependence. 3.5(D), 3.5(E), 3.5(F), 3.5(G)				
Science and the Real World	☐ I can connect science with the real world. 3.4(A), 3.4(B)				

Energy

Process: Tools to Know		Notes	Check Up		
Investigations	☐ I can plan and conduct investigations and design solutions. 3.1(A), 3.1(B), 3.1(C), 3.2(D), 3.5(A)				
Tools and Equipment	☐ I can use appropriate tools and equipment. 3.1(D)				
Information	☐ I can collect and record information. 3.1(E), 3.1(F)				

Content		Notes	Check Up		
Examples of Energy	☐ I can identify everyday examples of energy, including: 3.8(A) ☐ light energy ☐ sound energy ☐ thermal energy ☐ mechanical energy				
Mechanical Energy	☐ I can plan and conduct investigations that demonstrate how the speed of an object is related to its mechanical energy. 3.8(B)				

Process: Ways to Show		Notes	Check Up		
Models/Information	☐ I can develop and use models/information. 3.1(G), 3.2(A), 3.5(C)				
Data	☐ I can analyze and interpret data. 3.2(B), 3.2(C)				
Explanations/Solutions	☐ I can develop and communicate explanations/solutions. 3.3(A), 3.3(B), 3.3(C), 3.5(A), 3.5(B)				
Interdependence	☐ I can explain interdependence. 3.5(D), 3.5(E), 3.5(F), 3.5(G)				
Science and the Real World	☐ I can connect science with the real world. 3.4(A), 3.4(B)				

Student Learning Report: Grade 3 Science

Name _____

Space

Process: Tools to Know		Notes	Check Up		
Investigations	☐ I can plan and conduct investigations and design solutions. 3.1(A), 3.1(B), 3.1(C), 3.2(D), 3.5(A)				
Tools and Equipment	☐ I can use appropriate tools and equipment. 3.1(D)				
Information	☐ I can collect and record information. 3.1(E), 3.1(F)				

Content		Notes	Check Up		
The Solar System	☐ I can identify the order of the planets in Earth's solar system in relation to the Sun. 3.9(B)				
	☐ I can construct models and explain the orbits of the Sun, Earth, and Moon in relation to each other. 3.9(A)				

Process: Ways to Show		Notes	Check Up		
Models/Information	☐ I can develop and use models/information. 3.1(G), 3.2(A), 3.5(C)				
Data	☐ I can analyze and interpret data. 3.2(B), 3.2(C)				
Explanations/Solutions	☐ I can develop and communicate explanations/solutions. 3.3(A), 3.3(B), 3.3(C), 3.5(A), 3.5(B)				
Interdependence	☐ I can explain interdependence. 3.5(D), 3.5(E), 3.5(F), 3.5(G)				
Science and the Real World	☐ I can connect science with the real world. 3.4(A), 3.4(B)				

Earth's Processes

Process: Tools to Know		Notes	Check Up		
Investigations	☐ I can plan and conduct investigations and design solutions. 3.1(A), 3.1(B), 3.1(C), 3.2(D), 3.5(A)				
Tools and Equipment	☐ I can use appropriate tools and equipment. 3.1(D)				
Information	☐ I can collect and record information. 3.1(E), 3.1(F)				

Content		Notes	Check Up		
Weather	☐ I can compare and describe day-to-day weather in different locations at the same time, including: 3.10(A) ☐ air temperature ☐ wind direction ☐ precipitation				
Soil Formation	☐ I can investigate and explain how soils are formed by: 3.10(B) ☐ weathering of rock ☐ decomposition of plant and animal remains				
Earth's Changing Surface	☐ I can model and describe rapid changes in Earth's surface. 3.10(C)				

Process: Ways to Show		Notes	Check Up		
Models/Information	☐ I can develop and use models/information. 3.1(G), 3.2(A), 3.5(C)				
Data	☐ I can analyze and interpret data. 3.2(B), 3.2(C)				
Explanations/Solutions	☐ I can develop and communicate explanations/solutions. 3.3(A), 3.3(B), 3.3(C), 3.5(A), 3.5(B)				
Interdependence	☐ I can explain interdependence. 3.5(D), 3.5(E), 3.5(F), 3.5(G)				
Science and the Real World	☐ I can connect science with the real world. 3.4(A), 3.4(B)				

Earth's Resources

Process: Tools to Know		Notes	Check Up		
Investigations	☐ I can plan and conduct investigations and design solutions. 3.1(A), 3.1(B), 3.1(C), 3.2(D), 3.5(A)				
Tools and Equipment	☐ I can use appropriate tools and equipment. 3.1(D)				
Information	☐ I can collect and record information. 3.1(E), 3.1(F)				

Content		Notes	Check Up		
Natural Resources	☐ I can explore and explain how humans use natural resources. 3.11(A)				
Conservation of Natural Resources	☐ I can explain why the conservation of natural resources is important. 3.11(B)				
	☐ I can identify ways to conserve natural resources through: 3.11(C) ☐ reducing ☐ reusing ☐ recycling				

Process: Ways to Show		Notes	Check Up		
Models/Information	☐ I can develop and use models/information. 3.1(G), 3.2(A), 3.5(C)				
Data	☐ I can analyze and interpret data. 3.2(B), 3.2(C)				
Explanations/Solutions	☐ I can develop and communicate explanations/solutions. 3.3(A), 3.3(B), 3.3(C), 3.5(A), 3.5(B)				
Interdependence	☐ I can explain interdependence. 3.5(D), 3.5(E), 3.5(F), 3.5(G)				
Science and the Real World	☐ I can connect science with the real world. 3.4(A), 3.4(B)				

Organisms and Environments

Process: Tools to Know		Notes	Check Up		
Investigations	☐ I can plan and conduct investigations and design solutions. 3.1(A), 3.1(B), 3.1(C), 3.2(D), 3.5(A)				
Tools and Equipment	☐ I can use appropriate tools and equipment. 3.1(D)				
Information	☐ I can collect and record information. 3.1(E), 3.1(F)				

Content		Notes	Check Up		
Interdependence	☐ I can explain how temperature and precipitation affect animal growth and behavior through migration and hibernation. 3.12(A)				
	☐ I can explain how temperature and precipitation affect plant responses through dormancy. 3.12(A)				
Food Chains	☐ I can identify and describe the flow of energy in a food chain. 3.12(B)				
	☐ I can predict how changes in a food chain affect the ecosystem. 3.12(B)				
Organisms and Environmental Change	☐ I can identify fossils as evidence of past living organisms and environments, including common Texas fossils. 3.12(D)				
	☐ I can describe how natural changes to the environment cause some organisms to: 3.12(C) ☐ thrive ☐ perish ☐ move to new locations				

Process: Ways to Show		Notes	Check Up		
Models/Information	☐ I can develop and use models/information. 3.1(G), 3.2(A), 3.5(C)				
Data	☐ I can analyze and interpret data. 3.2(B), 3.2(C)				
Explanations/Solutions	☐ I can develop and communicate explanations/solutions. 3.3(A), 3.3(B), 3.3(C), 3.5(A), 3.5(B)				
Interdependence	☐ I can explain interdependence. 3.5(D), 3.5(E), 3.5(F), 3.5(G)				
Science and the Real World	☐ I can connect science with the real world. 3.4(A), 3.4(B)				

Structure, Function, and Survival

Process: Tools to Know		Notes	Check Up		
Investigations	☐ I can plan and conduct investigations and design solutions. 3.1(A), 3.1(B), 3.1(C), 3.2(D), 3.5(A)				
Tools and Equipment	☐ I can use appropriate tools and equipment. 3.1(D)				
Information	☐ I can collect and record information. 3.1(E), 3.1(F)				

Content		Notes	Check Up		
Structure and Function	☐ I can explore and explain how animal external structures enable them to survive in their environment. 3.13(A)				
	☐ I can explore and explain how animal functions enable them to survive in their environment. 3.13(A)				
Life Cycles	☐ I can explore and illustrate life cycles of organisms. 3.13(B)				
	☐ I can compare the life cycles of organisms. 3.13(B)				

Process: Ways to Show		Notes	Check Up		
Models/Information	☐ I can develop and use models/information. 3.1(G), 3.2(A), 3.5(C)				
Data	☐ I can analyze and interpret data. 3.2(B), 3.2(C)				
Explanations/Solutions	☐ I can develop and communicate explanations/solutions. 3.3(A), 3.3(B), 3.3(C), 3.5(A), 3.5(B)				
Interdependence	☐ I can explain interdependence. 3.5(D), 3.5(E), 3.5(F), 3.5(G)				
Science and the Real World	☐ I can connect science with the real world. 3.4(A), 3.4(B)				