

Properties of Matter

Process: Tools to Know		Notes	Check Up		
Investigations	☐ I can plan and conduct investigations and design solutions. 2.1(A), 2.1(B), 2.1(C), 2.2(D), 2.5(A)				
Tools and Equipment	☐ I can use appropriate tools and equipment. 2.1(D)				
Information	☐ I can collect and record information. 2.1(E), 2.1(F)				

Content		Notes	Check Up		
Physical Properties	☐ I can classify matter by observable physical properties, including: 2.6(A) ☐ texture ☐ flexibility ☐ relative temperature				
	☐ I can identify whether a material is a solid or liquid. 2.6(A)				
	☐ I can conduct a descriptive investigation to explain how physical properties can be changed. 2.6(B)				
Materials Science	☐ I can demonstrate that small units can be combined or reassembled to form new objects for different purposes. 2.6(C)				
	☐ I can explain the materials chosen based on their physical properties. 2.6(C)				

Process: Ways to Show		Notes	Check Up		
Models/Information	☐ I can develop and use models/information. 2.1(G), 2.2(A), 2.5(C)				
Data	☐ I can analyze and interpret data. 2.2(B), 2.2(C)				
Explanations/Solutions	☐ I can develop and communicate explanations/solutions. 2.3(A), 2.3(B), 2.3(C), 2.5(A), 2.5(B)				
Interdependence	☐ I can explain interdependence. 2.5(D), 2.5(E), 2.5(F), 2.5(G)				
Science and the Real World	☐ I can connect science with the real world. 2.4(A), 2.4(B)				

Force and Motion

Process: Tools to Know		Notes	Check Up		
Investigations	☐ I can plan and conduct investigations and design solutions. 2.1(A), 2.1(B), 2.1(C), 2.2(D), 2.5(A)				
Tools and Equipment	☐ I can use appropriate tools and equipment. 2.1(D)				
Information	☐ I can collect and record information. 2.1(E), 2.1(F)				

Content		Notes	Check Up		
Force Interactions	☐ I can explain how objects: 2.7(A) ☐ push on each other when they touch or collide ☐ may change shape when they touch or collide				
Investigating Force and Motion	☐ I can plan and conduct a descriptive investigation to demonstrate how the strength of a push and pull changes an object's motion. 2.7(B)				

Process: Ways to Show		Notes	Check Up		
Models/Information	☐ I can develop and use models/information. 2.1(G), 2.2(A), 2.5(C)				
Data	☐ I can analyze and interpret data. 2.2(B), 2.2(C)				
Explanations/Solutions	☐ I can develop and communicate explanations/solutions. 2.3(A), 2.3(B), 2.3(C), 2.5(A), 2.5(B)				
Interdependence	☐ I can explain interdependence. 2.5(D), 2.5(E), 2.5(F), 2.5(G)				
Science and the Real World	☐ I can connect science with the real world. 2.4(A), 2.4(B)				

Sound Energy

Process: Tools to Know		Notes	Check Up		
Investigations	☐ I can plan and conduct investigations and design solutions. 2.1(A), 2.1(B), 2.1(C), 2.2(D), 2.5(A)				
Tools and Equipment	☐ I can use appropriate tools and equipment. 2.1(D)				
Information	☐ I can collect and record information. 2.1(E), 2.1(F)				

Content		Notes	Check Up		
Sound	☐ I can demonstrate and explain that: 2.8(A) ☐ sound is made by vibrating matter ☐ vibrations can be caused by a variety of means, including sound				
	☐ I can explain how different levels of sound are used in everyday life. 2.8(B)				
	☐ I can design and build a device using tools and materials that uses sound to solve the problem of communicating over a distance. 2.8(C)				

Process: Ways to Show		Notes	Check Up		
Models/Information	☐ I can develop and use models/information. 2.1(G), 2.2(A), 2.5(C)				
Data	☐ I can analyze and interpret data. 2.2(B), 2.2(C)				
Explanations/Solutions	☐ I can develop and communicate explanations/solutions. 2.3(A), 2.3(B), 2.3(C), 2.5(A), 2.5(B)				
Interdependence	☐ I can explain interdependence. 2.5(D), 2.5(E), 2.5(F), 2.5(G)				
Science and the Real World	☐ I can connect science with the real world. 2.4(A), 2.4(B)				

Student Learning Report: Grade 2 Science

Name _____

Space

Process: Tools to Know		Notes	Check Up		
Investigations	☐ I can plan and conduct investigations and design solutions. 2.1(A), 2.1(B), 2.1(C), 2.2(D), 2.5(A)				
Tools and Equipment	☐ I can use appropriate tools and equipment. 2.1(D)				
Information	☐ I can collect and record information. 2.1(E), 2.1(F)				

Content		Notes	Check Up		
Sun, Earth, and Moon	☐ I can describe the Sun as a star that provides light and heat. 2.9(A)				
	☐ I can explain that the Moon reflects the Sun's light. 2.9(A)				
Observing Objects in the Sky	☐ I can observe objects in the sky using tools. 2.9(B)				
	☐ I can compare how objects in the sky are more visible and can appear different with a tool than with an unaided eye. 2.9(B)				

Process: Ways to Show		Notes	Check Up		
Models/Information	☐ I can develop and use models/information. 2.1(G), 2.2(A), 2.5(C)				
Data	☐ I can analyze and interpret data. 2.2(B), 2.2(C)				
Explanations/Solutions	☐ I can develop and communicate explanations/solutions. 2.3(A), 2.3(B), 2.3(C), 2.5(A), 2.5(B)				
Interdependence	☐ I can explain interdependence. 2.5(D), 2.5(E), 2.5(F), 2.5(G)				
Science and the Real World	☐ I can connect science with the real world. 2.4(A), 2.4(B)				

Earth's Weather and Processes

Process: Tools to Know		Notes	Check Up		
Investigations	☐ I can plan and conduct investigations and design solutions. 2.1(A), 2.1(B), 2.1(C), 2.2(D), 2.5(A)				
Tools and Equipment	☐ I can use appropriate tools and equipment. 2.1(D)				
Information	☐ I can collect and record information. 2.1(E), 2.1(F)				

Content		Notes	Check Up		
Erosion	☐ I can investigate and describe how wind moves soil and rock particles across the Earth's surface. 2.10(A)				
	☐ I can investigate and describe how water moves soil and rock particles across the Earth's surface. 2.10(A)				
Weather	☐ I can measure, record, and graph weather information, including: 2.10(B) ☐ temperature ☐ precipitation				
	☐ I can investigate different types of severe weather events. 2.10(C)				
	☐ I can explain that some severe weather events are more likely than others in a given region. 2.10(C)				

Process: Ways to Show		Notes	Check Up		
Models/Information	☐ I can develop and use models/information. 2.1(G), 2.2(A), 2.5(C)				
Data	☐ I can analyze and interpret data. 2.2(B), 2.2(C)				
Explanations/Solutions	☐ I can develop and communicate explanations/solutions. 2.3(A), 2.3(B), 2.3(C), 2.5(A), 2.5(B)				
Interdependence	☐ I can explain interdependence. 2.5(D), 2.5(E), 2.5(F), 2.5(G)				
Science and the Real World	☐ I can connect science with the real world. 2.4(A), 2.4(B)				

Earth's Resources

Process: Tools to Know		Notes	Check Up		
Investigations	☐ I can plan and conduct investigations and design solutions. 2.1(A), 2.1(B), 2.1(C), 2.2(D), 2.5(A)				
Tools and Equipment	☐ I can use appropriate tools and equipment. 2.1(D)				
Information	☐ I can collect and record information. 2.1(E), 2.1(F)				

Content		Notes	Check Up		
Resources	☐ I can distinguish between natural and manmade resources. 2.11(A)				
Resource Management	☐ I can describe how human impact can be limited by making choices to conserve and properly dispose of materials. 2.11(B)				

Process: Ways to Show		Notes	Check Up		
Models/Information	☐ I can develop and use models/information. 2.1(G), 2.2(A), 2.5(C)				
Data	☐ I can analyze and interpret data. 2.2(B), 2.2(C)				
Explanations/Solutions	☐ I can develop and communicate explanations/solutions. 2.3(A), 2.3(B), 2.3(C), 2.5(A), 2.5(B)				
Interdependence	☐ I can explain interdependence. 2.5(D), 2.5(E), 2.5(F), 2.5(G)				
Science and the Real World	☐ I can connect science with the real world. 2.4(A), 2.4(B)				

Interactions in Environments

Process: Tools to Know		Notes	Check Up		
Investigations	☐ I can plan and conduct investigations and design solutions. 2.1(A), 2.1(B), 2.1(C), 2.2(D), 2.5(A)				
Tools and Equipment	☐ I can use appropriate tools and equipment. 2.1(D)				
Information	☐ I can collect and record information. 2.1(E), 2.1(F)				

Content		Notes	Check Up		
Interdependence	☐ I can describe how the physical characteristics of environments, including the amount of rainfall, support plants within an ecosystem. 2.12(A)				
	☐ I can describe how the physical characteristics of environments, including the amount of rainfall, support animals within an ecosystem. 2.12(A)				
	☐ I can explain and demonstrate how some plants depend on other living things, wind, or water for: 2.12(C) ☐ pollination ☐ move their seeds around				
Food Chains	☐ I can create and describe food chains identifying producers and consumers to demonstrate how animals depend on other living things. 2.12(B)				

Process: Ways to Show		Notes	Check Up		
Models/Information	☐ I can develop and use models/information. 2.1(G), 2.2(A), 2.5(C)				
Data	☐ I can analyze and interpret data. 2.2(B), 2.2(C)				
Explanations/Solutions	☐ I can develop and communicate explanations/solutions. 2.3(A), 2.3(B), 2.3(C), 2.5(A), 2.5(B)				
Interdependence	☐ I can explain interdependence. 2.5(D), 2.5(E), 2.5(F), 2.5(G)				
Science and the Real World	☐ I can connect science with the real world. 2.4(A), 2.4(B)				

Characteristics of Plants and Animals

Process: Tools to Know		Notes	Check Up		
Investigations	☐ I can plan and conduct investigations and design solutions. 2.1(A), 2.1(B), 2.1(C), 2.2(D), 2.5(A)				
Tools and Equipment	☐ I can use appropriate tools and equipment. 2.1(D)				
Information	☐ I can collect and record information. 2.1(E), 2.1(F)				

Content		Notes	Check Up		
Structure, Function, and Behavior	☐ I can identify the roots, stems, leaves, flowers, fruits, and seeds of plants. 2.13(A)				
	☐ I can compare how the structures (roots, stems, leaves, flowers, fruits, and seeds) help different plants meet their basic needs for survival. 2.13(A)				
	☐ I can record and compare how the structures of animals help them find and take in food, water, and air. 2.13(B)				
	☐ I can record and compare how the behaviors of animals help them find and take in food, water, and air. 2.13(B)				
	☐ I can record and compare how being part of a group helps animals: 2.13(C) ☐ obtain food ☐ defend themselves ☐ cope with changes				
Animal Life Cycles	☐ I can investigate and describe some of the unique life cycles of animals where young animals do not resemble their parents, including: 2.13(D) ☐ butterflies ☐ frogs				

Process: Ways to Show		Notes	Check Up		
Models/ Information	☐ I can develop and use models/information. 2.1(G), 2.2(A), 2.5(C)				
Data	☐ I can analyze and interpret data. 2.2(B), 2.2(C)				
Explanations/ Solutions	☐ I can develop and communicate explanations/ solutions. 2.3(A), 2.3(B), 2.3(C), 2.5(A), 2.5(B)				
Interdependence	☐ I can explain interdependence. 2.5(D), 2.5(E), 2.5(F), 2.5(G)				
Science and the Real World	☐ I can connect science with the real world. 2.4(A), 2.4(B)				