

Properties of Matter

Process: Tools to Know		Notes	Check Up		
Investigations	☐ I can plan and conduct investigations and design solutions. 1.1(A), 1.1(B), 1.1(C), 1.2(D), 1.5(A)				
Tools and Equipment	☐ I can use appropriate tools and equipment. 1.1(D)				
Information	☐ I can collect and record information. 1.1(E), 1.1(F)				

Content		Notes	Check Up		
Physical Properties	☐ I can classify objects by observable physical properties, including: 1.6(A) ☐ shape ☐ color ☐ texture ☐ attributes				
	☐ I can explain and predict changes in materials caused by: 1.6(B) ☐ heating ☐ cooling				
Systems	☐ I can demonstrate and explain that a whole object is a system made of organized parts. 1.6(C)				

Process: Ways to Show		Notes	Check Up		
Models/Information	☐ I can develop and use models/information. 1.1(G), 1.2(A), 1.5(C)				
Data	☐ I can analyze and interpret data. 1.2(B), 1.2(C)				
Explanations/Solutions	☐ I can develop and communicate explanations/solutions. 1.3(A), 1.3(B), 1.3(C), 1.5(A), 1.5(B)				
Interdependence	☐ I can explain interdependence. 1.5(D), 1.5(E), 1.5(F), 1.5(G)				
Science and the Real World	☐ I can connect science with the real world. 1.4(A), 1.4(B)				

Force and Motion

Process: Tools to Know		Notes	Check Up		
Investigations	☐ I can plan and conduct investigations and design solutions. 1.1(A), 1.1(B), 1.1(C), 1.2(D), 1.5(A)				
Tools and Equipment	☐ I can use appropriate tools and equipment. 1.1(D)				
Information	☐ I can collect and record information. 1.1(E), 1.1(F)				

Content		Notes	Check Up		
Force Interactions	☐ I can explain how pushes and pulls can start, stop, or change the speed or direction of an object's motion. 1.7(A)				
Investigating Force and Motion	☐ I can plan and conduct a descriptive investigation that predicts how pushes and pulls can start, stop, or change the speed or direction of an object's motion. 1.7(B)				

Process: Ways to Show		Notes	Check Up		
Models/Information	☐ I can develop and use models/information. 1.1(G), 1.2(A), 1.5(C)				
Data	☐ I can analyze and interpret data. 1.2(B), 1.2(C)				
Explanations/Solutions	☐ I can develop and communicate explanations/solutions. 1.3(A), 1.3(B), 1.3(C), 1.5(A), 1.5(B)				
Interdependence	☐ I can explain interdependence. 1.5(D), 1.5(E), 1.5(F), 1.5(G)				
Science and the Real World	☐ I can connect science with the real world. 1.4(A), 1.4(B)				

Heat Energy

Process: Tools to Know		Notes	Check Up		
Investigations	☐ I can plan and conduct investigations and design solutions. 1.1(A), 1.1(B), 1.1(C), 1.2(D), 1.5(A)				
Tools and Equipment	☐ I can use appropriate tools and equipment. 1.1(D)				
Information	☐ I can collect and record information. 1.1(E), 1.1(F)				

Content		Notes	Check Up		
Heat	☐ I can investigate and describe applications of heat in everyday life. 1.8(A)				
	☐ I can describe how some changes caused by heat: 1.8(B) ☐ may be reversed ☐ cannot be reversed				

Process: Ways to Show		Notes	Check Up		
Models/Information	☐ I can develop and use models/information. 1.1(G), 1.2(A), 1.5(C)				
Data	☐ I can analyze and interpret data. 1.2(B), 1.2(C)				
Explanations/Solutions	☐ I can develop and communicate explanations/solutions. 1.3(A), 1.3(B), 1.3(C), 1.5(A), 1.5(B)				
Interdependence	☐ I can explain interdependence. 1.5(D), 1.5(E), 1.5(F), 1.5(G)				
Science and the Real World	☐ I can connect science with the real world. 1.4(A), 1.4(B)				

Patterns in Nature

Process: Tools to Know		Notes	Check Up		
Investigations	☐ I can plan and conduct investigations and design solutions. 1.1(A), 1.1(B), 1.1(C), 1.2(D), 1.5(A)				
Tools and Equipment	☐ I can use appropriate tools and equipment. 1.1(D)				
Information	☐ I can collect and record information. 1.1(E), 1.1(F)				

Content		Notes	Check Up		
Seasons	☐ I can describe and predict the patterns of seasons of the year. 1.9(A)				

Process: Ways to Show		Notes	Check Up		
Models/ Information	☐ I can develop and use models/information. 1.1(G), 1.2(A), 1.5(C)				
Data	☐ I can analyze and interpret data. 1.2(B), 1.2(C)				
Explanations/ Solutions	☐ I can develop and communicate explanations/solutions. 1.3(A), 1.3(B), 1.3(C), 1.5(A), 1.5(B)				
Interdependence	☐ I can explain interdependence. 1.5(D), 1.5(E), 1.5(F), 1.5(G)				
Science and the Real World	☐ I can connect science with the real world. 1.4(A), 1.4(B)				

Earth, Water, and Weather

Process: Tools to Know		Notes	Check Up		
Investigations	☐ I can plan and conduct investigations and design solutions. 1.1(A), 1.1(B), 1.1(C), 1.2(D), 1.5(A)				
Tools and Equipment	☐ I can use appropriate tools and equipment. 1.1(D)				
Information	☐ I can collect and record information. 1.1(E), 1.1(F)				

Content		Notes	Check Up		
Soil	☐ I can investigate and document the properties of particle: 1.10(A) ☐ size ☐ texture ☐ shape ☐ color				
	☐ I can investigate and document the components of different types of soils. 1.10(A)				
Erosion	☐ I can investigate and describe how water can move rock and soil particles from one place to another. 1.10(B)				
Water	☐ I can compare the properties of puddles, ponds, streams, rivers, lakes, and oceans, including: 1.10(C) ☐ color ☐ clarity ☐ size ☐ shape ☐ freshwater or saltwater				
Weather	☐ I can describe and record observable characteristics of weather, including: 1.10(D) ☐ hot ☐ clear ☐ calm ☐ rainy ☐ cold ☐ cloudy ☐ windy ☐ icy				
	☐ I can explain the impact of weather on daily choices. 1.10(D)				

Process: Ways to Show		Notes	Check Up		
Models/Information	☐ I can develop and use models/information. 1.1(G), 1.2(A), 1.5(C)				
Data	☐ I can analyze and interpret data. 1.2(B), 1.2(C)				
Explanations/Solutions	☐ I can develop and communicate explanations/solutions. 1.3(A), 1.3(B), 1.3(C), 1.5(A), 1.5(B)				
Interdependence	☐ I can explain interdependence. 1.5(D), 1.5(E), 1.5(F), 1.5(G)				
Science and the Real World	☐ I can connect science with the real world. 1.4(A), 1.4(B)				

Earth's Resources

Process: Tools to Know		Notes	Check Up		
Investigations	☐ I can plan and conduct investigations and design solutions. 1.1(A), 1.1(B), 1.1(C), 1.2(D), 1.5(A)				
Tools and Equipment	☐ I can use appropriate tools and equipment. 1.1(D)				
Information	☐ I can collect and record information. 1.1(E), 1.1(F)				

Content		Notes	Check Up		
Uses of Rocks, Soil, and Water	☐ I can identify and describe how plants use: 1.11(A) ☐ rocks ☐ soil ☐ water				
	☐ I can identify and describe how animals use: 1.11(A) ☐ rocks ☐ soil ☐ water				
	☐ I can identify and describe how humans use: 1.11(A) ☐ rocks ☐ soil ☐ water				
Water Conservation	☐ I can explain why water conservation is important. 1.11(B)				
	☐ I can describe ways to conserve water. 1.11(C)				
	☐ I can describe ways to protect natural sources of water. 1.11(C)				

Process: Ways to Show		Notes	Check Up		
Models/Information	☐ I can develop and use models/information. 1.1(G), 1.2(A), 1.5(C)				
Data	☐ I can analyze and interpret data. 1.2(B), 1.2(C)				
Explanations/Solutions	☐ I can develop and communicate explanations/solutions. 1.3(A), 1.3(B), 1.3(C), 1.5(A), 1.5(B)				
Interdependence	☐ I can explain interdependence. 1.5(D), 1.5(E), 1.5(F), 1.5(G)				
Science and the Real World	☐ I can connect science with the real world. 1.4(A), 1.4(B)				

Interactions in Environments

Process: Tools to Know		Notes	Check Up		
Investigations	☐ I can plan and conduct investigations and design solutions. 1.1(A), 1.1(B), 1.1(C), 1.2(D), 1.5(A)				
Tools and Equipment	☐ I can use appropriate tools and equipment. 1.1(D)				
Information	☐ I can collect and record information. 1.1(E), 1.1(F)				

Content		Notes	Check Up		
Living and Nonliving Things	☐ I can describe and record examples of interactions and dependence between living and nonliving components in terrariums or aquariums. 1.12(B)				
	☐ I can classify living and nonliving things based upon whether they have basic needs and produce young. 1.12(A)				
Interdependence	☐ I can identify and illustrate how living organisms depend on each other through food chains. 1.12(C)				

Process: Ways to Show		Notes	Check Up		
Models/Information	☐ I can develop and use models/information. 1.1(G), 1.2(A), 1.5(C)				
Data	☐ I can analyze and interpret data. 1.2(B), 1.2(C)				
Explanations/Solutions	☐ I can develop and communicate explanations/solutions. 1.3(A), 1.3(B), 1.3(C), 1.5(A), 1.5(B)				
Interdependence	☐ I can explain interdependence. 1.5(D), 1.5(E), 1.5(F), 1.5(G)				
Science and the Real World	☐ I can connect science with the real world. 1.4(A), 1.4(B)				

Characteristics of Animals

Process: Tools to Know		Notes	Check Up		
Investigations	☐ I can plan and conduct investigations and design solutions. 1.1(A), 1.1(B), 1.1(C), 1.2(D), 1.5(A)				
Tools and Equipment	☐ I can use appropriate tools and equipment. 1.1(D)				
Information	☐ I can collect and record information. 1.1(E), 1.1(F)				

Content		Notes	Check Up		
Animal Structure and Function	☐ I can identify the external structures of different animals. 1.13(A)				
	☐ I can compare how external structures help different animals: 1.13(A) ☐ live ☐ move ☐ meet basic needs for survival				
Life Cycles	☐ I can record observations of animals, including: 1.13(B) ☐ a bird ☐ a mammal ☐ a fish				
	☐ I can describe basic life cycles of animals, including: 1.13(B) ☐ a bird ☐ a mammal ☐ a fish				
Inherited Traits	☐ I can compare ways that young animals resemble their parents. 1.13(C)				

Process: Ways to Show		Notes	Check Up		
Models/Information	☐ I can develop and use models/information. 1.1(G), 1.2(A), 1.5(C)				
Data	☐ I can analyze and interpret data. 1.2(B), 1.2(C)				
Explanations/Solutions	☐ I can develop and communicate explanations/solutions. 1.3(A), 1.3(B), 1.3(C), 1.5(A), 1.5(B)				
Interdependence	☐ I can explain interdependence. 1.5(D), 1.5(E), 1.5(F), 1.5(G)				
Science and the Real World	☐ I can connect science with the real world. 1.4(A), 1.4(B)				