

Properties of Matter

Process: Tools to Know		Notes	Check Up		
Investigations	☐ I can plan and conduct investigations and design solutions. K.1(A), K.1(B), K.1(C), K.2(D), K.5(A)				
Tools and Equipment	☐ I can use appropriate tools and equipment. K.1(D)				
Information	☐ I can collect and record information. K.1(E), K.1(F)				

Content		Notes	Check Up		
Physical Properties	☐ I can identify and record observable physical properties of objects, including: K.6(A) ☐ shape ☐ color ☐ texture ☐ material				
	☐ I can generate ways to classify objects. K.6(A)				

Process: Ways to Show		Notes	Check Up		
Models/Information	☐ I can develop and use models/information. K.1(G), K.2(A), K.5(C)				
Data	☐ I can analyze and interpret data. K.2(B), K.2(C)				
Explanations/Solutions	☐ I can develop and communicate explanations/solutions. K.3(A), K.3(B), K.3(C), K.5(A), K.5(B)				
Interdependence	☐ I can explain interdependence. K.5(D), K.5(E), K.5(F), K.5(G)				
Science and the Real World	☐ I can connect science with the real world. K.4(A), K.4(B)				

Force and Motion

Process: Tools to Know		Notes	Check Up		
Investigations	☐ I can plan and conduct investigations and design solutions. K.1(A), K.1(B), K.1(C), K.2(D), K.5(A)				
Tools and Equipment	☐ I can use appropriate tools and equipment. K.1(D)				
Information	☐ I can collect and record information. K.1(E), K.1(F)				

Content		Notes	Check Up		
Magnets	☐ I can describe and predict how a magnet interacts with various materials. K.7(A)				
	☐ I can describe and predict how magnets can be used to push or pull. K.7(A)				

Process: Ways to Show		Notes	Check Up		
Models/Information	☐ I can develop and use models/information. K.1(G), K.2(A), K.5(C)				
Data	☐ I can analyze and interpret data. K.2(B), K.2(C)				
Explanations/Solutions	☐ I can develop and communicate explanations/solutions. K.3(A), K.3(B), K.3(C), K.5(A), K.5(B)				
Interdependence	☐ I can explain interdependence. K.5(D), K.5(E), K.5(F), K.5(G)				
Science and the Real World	☐ I can connect science with the real world. K.4(A), K.4(B)				

Light Energy

Process: Tools to Know		Notes	Check Up		
Investigations	☐ I can plan and conduct investigations and design solutions. K.1(A), K.1(B), K.1(C), K.2(D), K.5(A)				
Tools and Equipment	☐ I can use appropriate tools and equipment. K.1(D)				
Information	☐ I can collect and record information. K.1(E), K.1(F)				

Content		Notes	Check Up		
Light	☐ I can communicate the idea that objects can only be seen when a light source is present. K.8(A)				
	☐ I can compare the effects of different amounts of light on the appearance of objects. K.8(A)				
	☐ I can demonstrate and explain that light: K.8(B) ☐ travels through some objects ☐ is blocked by other objects, creating shadows				

Process: Ways to Show		Notes	Check Up		
Models/Information	☐ I can develop and use models/information. K.1(G), K.2(A), K.5(C)				
Data	☐ I can analyze and interpret data. K.2(B), K.2(C)				
Explanations/Solutions	☐ I can develop and communicate explanations/solutions. K.3(A), K.3(B), K.3(C), K.5(A), K.5(B)				
Interdependence	☐ I can explain interdependence. K.5(D), K.5(E), K.5(F), K.5(G)				
Science and the Real World	☐ I can connect science with the real world. K.4(A), K.4(B)				

Patterns in Nature

Process: Tools to Know		Notes	Check Up		
Investigations	☐ I can plan and conduct investigations and design solutions. K.1(A), K.1(B), K.1(C), K.2(D), K.5(A)				
Tools and Equipment	☐ I can use appropriate tools and equipment. K.1(D)				
Information	☐ I can collect and record information. K.1(E), K.1(F)				

Content		Notes	Check Up		
Day and Night	☐ I can identify, describe, and predict the patterns of day and night. K.9(A)				
	☐ I can identify, describe, and predict the observable characteristics of day and night. K.9(A)				
Observing Objects in the Sky	☐ I can observe, describe, and illustrate the: K.9(B) ☐ Sun ☐ Moon ☐ stars ☐ objects in the sky				

Process: Ways to Show		Notes	Check Up		
Models/Information	☐ I can develop and use models/information. K.1(G), K.2(A), K.5(C)				
Data	☐ I can analyze and interpret data. K.2(B), K.2(C)				
Explanations/Solutions	☐ I can develop and communicate explanations/solutions. K.3(A), K.3(B), K.3(C), K.5(A), K.5(B)				
Interdependence	☐ I can explain interdependence. K.5(D), K.5(E), K.5(F), K.5(G)				
Science and the Real World	☐ I can connect science with the real world. K.4(A), K.4(B)				

Earth, Air, and Weather

Process: Tools to Know		Notes	Check Up		
Investigations	☐ I can plan and conduct investigations and design solutions. K.1(A), K.1(B), K.1(C), K.2(D), K.5(A)				
Tools and Equipment	☐ I can use appropriate tools and equipment. K.1(D)				
Information	☐ I can collect and record information. K.1(E), K.1(F)				

Content		Notes	Check Up		
Properties of Rocks	☐ I can describe and classify rocks by the observable properties of: K.10(A) ☐ size ☐ shape ☐ color ☐ texture				
Weather Changes and Patterns	☐ I can observe and describe weather changes: K.10(B) ☐ from day to day ☐ over seasons				
	☐ I can identify evidence that supports the idea that air is all around us. K.10(C)				
	☐ I can demonstrate that wind is moving air. K.10(C)				

Process: Ways to Show		Notes	Check Up		
Models/Information	☐ I can develop and use models/information. K.1(G), K.2(A), K.5(C)				
Data	☐ I can analyze and interpret data. K.2(B), K.2(C)				
Explanations/Solutions	☐ I can develop and communicate explanations/solutions. K.3(A), K.3(B), K.3(C), K.5(A), K.5(B)				
Interdependence	☐ I can explain interdependence. K.5(D), K.5(E), K.5(F), K.5(G)				
Science and the Real World	☐ I can connect science with the real world. K.4(A), K.4(B)				

Earth's Resources

Process: Tools to Know		Notes	Check Up		
Investigations	☐ I can plan and conduct investigations and design solutions. K.1(A), K.1(B), K.1(C), K.2(D), K.5(A)				
Tools and Equipment	☐ I can use appropriate tools and equipment. K.1(D)				
Information	☐ I can collect and record information. K.1(E), K.1(F)				

Content		Notes	Check Up		
Uses of Rocks, Soil, and Water	☐ I can observe and generate examples of practical uses for: K.11(A) ☐ rocks ☐ soil ☐ water				

Process: Ways to Show		Notes	Check Up		
Models/Information	☐ I can develop and use models/information. K.1(G), K.2(A), K.5(C)				
Data	☐ I can analyze and interpret data. K.2(B), K.2(C)				
Explanations/Solutions	☐ I can develop and communicate explanations/solutions. K.3(A), K.3(B), K.3(C), K.5(A), K.5(B)				
Interdependence	☐ I can explain interdependence. K.5(D), K.5(E), K.5(F), K.5(G)				
Science and the Real World	☐ I can connect science with the real world. K.4(A), K.4(B)				

Basic Needs of Organisms

Process: Tools to Know		Notes	Check Up		
Investigations	☐ I can plan and conduct investigations and design solutions. K.1(A), K.1(B), K.1(C), K.2(D), K.5(A)				
Tools and Equipment	☐ I can use appropriate tools and equipment. K.1(D)				
Information	☐ I can collect and record information. K.1(E), K.1(F)				

Content		Notes	Check Up		
Basic Needs of Plants	☐ I can observe and identify the dependence of plants on: K.12(A) ☐ air ☐ sunlight ☐ water ☐ nutrients in the soil ☐ space to grow				
Basic Needs of Animals	☐ I can observe and identify the dependence of animals on: K.12(B) ☐ air ☐ water ☐ food ☐ space ☐ shelter				

Process: Ways to Show		Notes	Check Up		
Models/Information	☐ I can develop and use models/information. K.1(G), K.2(A), K.5(C)				
Data	☐ I can analyze and interpret data. K.2(B), K.2(C)				
Explanations/Solutions	☐ I can develop and communicate explanations/solutions. K.3(A), K.3(B), K.3(C), K.5(A), K.5(B)				
Interdependence	☐ I can explain interdependence. K.5(D), K.5(E), K.5(F), K.5(G)				
Science and the Real World	☐ I can connect science with the real world. K.4(A), K.4(B)				

Characteristics of Plants and Animals

Process: Tools to Know		Notes	Check Up		
Investigations	☐ I can plan and conduct investigations and design solutions. K.1(A), K.1(B), K.1(C), K.2(D), K.5(A)				
Tools and Equipment	☐ I can use appropriate tools and equipment. K.1(D)				
Information	☐ I can collect and record information. K.1(E), K.1(F)				

Content		Notes	Check Up		
Plant Structure	☐ I can identify the structures of plants, including: K.13(A) ☐ roots ☐ stems ☐ leaves ☐ flowers ☐ fruits				
Plant Life Cycle	☐ I can identify and record the changes from seed, seedling, plant, flower, and fruit in a simple plant life cycle. K.13(C)				
Inherited Traits	☐ I can identify ways that young plants resemble the parent plant. K.13(D)				
Animal Structure and Function	☐ I can identify the different structures that animals have that allow them to interact with their environment. K.13(B)				

Process: Ways to Show		Notes	Check Up		
Models/Information	☐ I can develop and use models/information. K.1(G), K.2(A), K.5(C)				
Data	☐ I can analyze and interpret data. K.2(B), K.2(C)				
Explanations/Solutions	☐ I can develop and communicate explanations/solutions. K.3(A), K.3(B), K.3(C), K.5(A), K.5(B)				
Interdependence	☐ I can explain interdependence. K.5(D), K.5(E), K.5(F), K.5(G)				
Science and the Real World	☐ I can connect science with the real world. K.4(A), K.4(B)				