

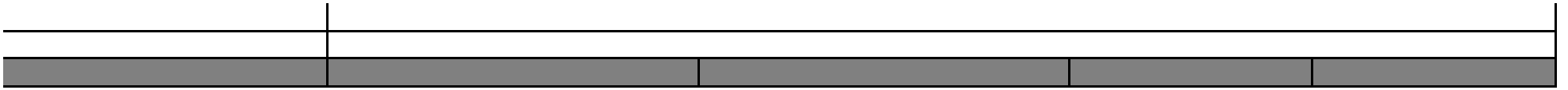
Subject	Chapter 112. Science			
Course Title	§112.12. Science, Grade 1, Beginning with School Year 2010-2011.			
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
(1) Scientific investigation and reasoning. The student conducts classroom and outdoor investigations following home and school safety procedures and uses environmentally appropriate and responsible practices. The student is expected to:	(A) recognize and demonstrate safe practices as described in the Texas Safety Standards during classroom and outdoor investigations, including wearing safety goggles, washing hands, and using materials appropriately	(ii) recognize safe practices as described in the Texas Safety Standards during classroom investigations, including washing hands		
(1) Scientific investigation and reasoning. The student conducts classroom and outdoor investigations following home and school safety procedures and uses environmentally appropriate and responsible practices. The student is expected to:	(A) recognize and demonstrate safe practices as described in the Texas Safety Standards during classroom and outdoor investigations, including wearing safety goggles, washing hands, and using materials appropriately	(iii) recognize safe practices as described in the Texas Safety Standards during classroom investigations, including using materials appropriately		
(1) Scientific investigation and reasoning. The student conducts classroom and outdoor investigations following home and school safety procedures and uses environmentally appropriate and responsible practices. The student is expected to:	(A) recognize and demonstrate safe practices as described in the Texas Safety Standards during classroom and outdoor investigations, including wearing safety goggles, washing hands, and using materials appropriately	(iv) recognize safe practices as described in the Texas Safety Standards during outdoor investigations, including wearing safety goggles		
(1) Scientific investigation and reasoning. The student conducts classroom and outdoor investigations following home and school safety procedures and uses environmentally appropriate and responsible practices. The student is expected to:	(A) recognize and demonstrate safe practices as described in the Texas Safety Standards during classroom and outdoor investigations, including wearing safety goggles, washing hands, and using materials appropriately	(v) recognize safe practices as described in the Texas Safety Standards during outdoor investigations, including washing hands		
(1) Scientific investigation and reasoning. The student conducts classroom and outdoor investigations following home and school safety procedures and uses environmentally appropriate and responsible practices.	and	washing hands		

clads

hands

Subject	Chapter 112. Science			
Course Title	§112.12. Science, Grade 1, Beginning with School Year 2010-2011.			
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(1) Scientific investigation and reasoning. The student conducts classroom and outdoor investigations following home and school safety procedures and uses environmentally appropriate and responsible practices. The student is expected to:	(A) recognize and demonstrate safe practices as described in the Texas Safety Standards during classroom and outdoor investigations, including wearing safety goggles, washing hands, and using materials appropriately	(vii) demonstrate safe practices as described in the Texas Safety Standards during classroom investigations, including wearing safety goggles		
(1) Scientific investigation and reasoning. The student conducts classroom and outdoor investigations following home and school safety procedures and uses environmentally appropriate and responsible practices. The student is expected to:	(A) recognize and demonstrate safe practices as described in the Texas Safety Standards during classroom and outdoor investigations, including wearing safety goggles, washing hands, and using materials appropriately	(viii) demonstrate safe practices as described in the Texas Safety Standards during classroom investigations, including washing hands		
(1) Scientific investigation and reasoning. The student conducts classroom and outdoor investigations following home and school safety procedures and uses environmentally appropriate and responsible practices. The student is expected to:	(A) recognize and demonstrate safe practices as described in the Texas Safety Standards during classroom and outdoor investigations, including wearing safety goggles, washing hands, and using materials appropriately	(ix) demonstrate safe practices as described in the Texas Safety Standards during classroom investigations, including using materials appropriately		
(1) Scientific investigation and reasoning. The student conducts classroom and outdoor investigations following home and school safety procedures and uses environmentally appropriate and responsible practices. The student is expected to:	(A) recognize and demonstrate safe practices as described in the Texas Safety Standards during classroom and outdoor investigations, including wearing safety goggles, washing hands, and using materials appropriately	(x) demonstrate safe practices as described in the Texas Safety Standards during outdoor investigations, including wearing safety goggles		
(1) Scientific investigation and reasoning. The student conducts classroom and outdoor investigations following home and school safety procedures and uses environmentally appropriate and responsible practices. The student is expected to:	(A) recognize and demonstrate safe practices as described in the Texas Safety Standards during classroom and outdoor investigations, including wearing safety goggles, washing hands, and using materials appropriately	(xi) demonstrate safe practices as described in the Texas Safety Standards during outdoor investigations, including washing hands		

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(1) Scientific investigation and reasoning. The student conducts classroom and outdoor investigations following home and school safety procedures and uses environmentally appropriate and responsible practices. The student is expected to:	(A) recognize and demonstrate safe practices as described in the Texas Safety Standards during classroom and outdoor investigations, including wearing safety goggles, washing hands, and using materials appropriately	(xii) demonstrate safe practices as described in the Texas Safety Standards during outdoor investigations, including using materials appropriately		
(1) Scientific investigation and reasoning. The student conducts classroom and outdoor investigations following home and school safety procedures and uses environmentally appropriate and responsible practices. The student is expected to:	(B) recognize the importance of safe practices to keep self and others safe and healthy	(i) recognize the importance of safe practices to keep self safe		
(1) Scientific investigation and reasoning. The student conducts classroom and outdoor investigations following home and school safety procedures and uses environmentally appropriate and responsible practices. The student is expected to:	(B) recognize the importance of safe practices to keep self and others safe and healthy	(ii) recognize the importance of safe practices to keep self healthy		
(1) Scientific investigation and reasoning. The student conducts classroom and outdoor investigations following home and school safety procedures and uses environmentally appropriate and responsible practices. The student is expected to:	(B) recognize the importance of safe practices to keep self and others safe and healthy	(iii) recognize the importance of safe practices to keep others safe		
(1) Scientific investigation and reasoning. The student conducts classroom and outdoor investigations following home and school safety procedures and uses environmentally appropriate and responsible practices. The student is expected to:	(B) recognize the importance of safe practices to keep self and others safe and healthy	(iv) recognize the importance of safe practices to keep others healthy		

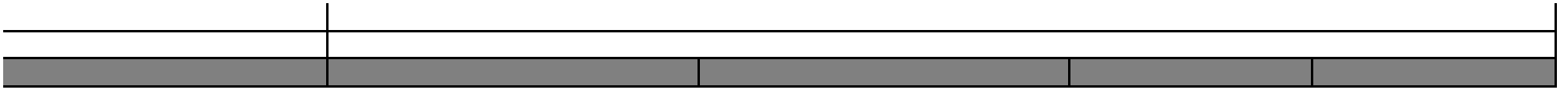


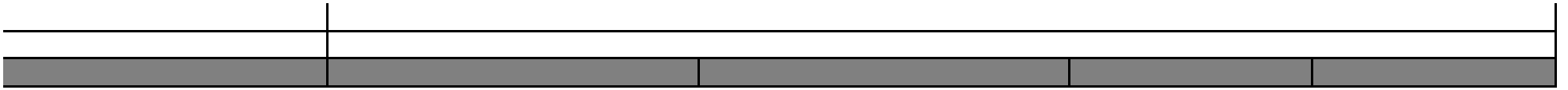
Subject	Chapter 112. Science			
Course Title	§112.12. Science, Grade 1, Beginning with School Year 2010-2011.			
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
(1) Scientific investigation and reasoning. The student conducts classroom and outdoor investigations following home and school safety procedures and uses environmentally appropriate and responsible practices. The student is expected to:	(C) identify and learn how to use natural resources and materials, including conservation and reuse or recycling of paper, plastic, and metals	(vi) learn how to use materials, including reuse or recycling of metals		
(2) Scientific investigation and reasoning. The student develops abilities to ask questions and seek answers in classroom and outdoor investigations. The student is expected to:	(A) ask questions about organisms, objects, and events observed in the natural world	(i) ask questions about organisms observed in the natural world		
(2) Scientific investigation and reasoning. The student develops abilities to ask questions and seek answers in classroom and outdoor investigations. The student is expected to:	(A) ask questions about organisms, objects, and events observed in the natural world	(ii) ask questions about objects observed in the natural world		
(2) Scientific investigation and reasoning. The student develops abilities to ask questions and seek answers in classroom and outdoor investigations. The student is expected to:	(A) ask questions about organisms, objects, and events observed in the natural world	(iii) ask questions about events observed in the natural world		
(2) Scientific investigation and reasoning. The student develops abilities to ask questions and seek answers in classroom and outdoor investigations. The student is expected to:	(B) plan and conduct simple descriptive investigations such as ways objects move	(i) plan simple descriptive ways		

Subject	Chapter 112. Science			
Course Title	§112.12. Science, Grade 1, Beginning with School Year 2010-2011.			
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(2) Scientific investigation and reasoning. The student develops abilities to ask questions and seek answers in classroom and outdoor investigations. The student is expected to:	(C) collect data and make observations using simple equipment such as hand lenses, primary balances, and nonrstandard measurement tools	(i) collect data using using using using using using using using		

Subject	Chapter 112. Science			
Course Title	§112.12. Science, Grade 1, Beginning with School Year 2010-2011.			
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(2) Scientific investigation and reasoning. The student develops abilities to ask questions and seek answers in classroom and outdoor investigations. The student is expected to:	(D) record and organize data using pictures, numbers, and words	(v) organize data using numbers		
(2) Scientific investigation and reasoning. The student develops abilities to ask questions and seek answers in classroom and outdoor investigations. The student is expected to:	(D) record and organize data using pictures, numbers, and words	(vi) organize data using words		
(2) Scientific investigation and reasoning. The student develops abilities to ask questions and seek answers in classroom and outdoor investigations. The student is expected to:	(E) communicate observations and provide reasons for explanations using studentr generated data from simple descriptive investigations	(i) communicate observations using studentr generated data from simple descriptive investigations		
(2) Scientific investigation and reasoning. The student develops abilities to ask questions and seek answers in classroom and outdoor investigations. The student is expected to:	(E) communicate observations and provide reasons for explanations using studentr generated data from simple descriptive investigations	(ii) provide reasons for explanations using studentr generated data from simple descriptive investigations		
(3) Scientific investigation and reasoning. The student knows that information and critical thinking are used in scientific problem solving. The student is expected to:				

Subject	Chapter 112. Science			
Course Title	§112.12. Science, Grade 1, Beginning with School Year 2010-2011.			
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
(3) Scientific investigation and reasoning. The student knows that information and critical thinking are used in scientific problem solving. The student is expected to:	(B) make predictions based on observable patterns			
(3) Scientific investigation and reasoning. The student knows that information and critical thinking are used in scientific problem solving. The student is expected to:	(C) describe what scientists do			
(4) Scientific investigation and reasoning. The student uses appropriate tools and models to investigate the natural world. The student is expected to:	(A) collect, record, and compare information using tools, including computers, hand lenses, primary balances, cups, bowls, magnets, collecting nets, notebooks, and safety goggles; timing devices, including clocks and timers; nonstandard measuring items such as paper clips and clothespins; weather instruments such as classroom demonstration thermometers and wind socks; and materials to support observations of habitats of organisms such as aquariums and terrariums	(i) collect information using tools, including computers		
(4) Scientific investigation and reasoning. The student uses appropriate tools and models to investigate the natural world. The student is expected to:	(A) collect, record, and compare information using tools, including computers, hand lenses, primary balances, cups, bowls, magnets, collecting nets, notebooks, and safety goggles; timing devices, including clocks and timers; nonstandard measuring items such as paper clips and clothespins; weather instruments such as classroom demonstration thermometers and wind socks; and materials to support observations of habitats of organisms such as aquariums and terrariums	(ii) collect information using tools, including hand lenses		



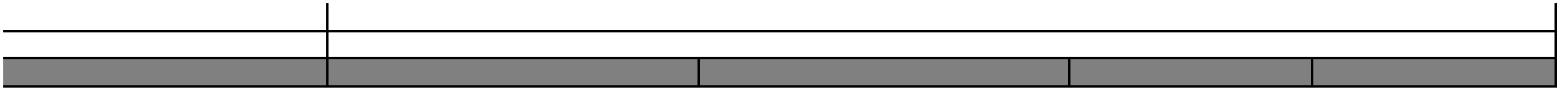


Subject	Chapter 112. Science			
Course Title	§112.12. Science, Grade 1, Beginning with School Year 2010-2011.			
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
(4) Scientific investigation and reasoning. Breakout Subelement				

Subject	Chapter 112. Science			
Course Title				

Subject	Chapter 112. Science			
Course Title	§112.12. Science, Grade 1, Beginning with School Year 2010-2011.			
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
(4) Scientific investigation skills (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23) (24) (25) (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48) (49) (50) (51) (52) (53) (54) (55) (56) (57) (58) (59) (60) (61) (62) (63) (64) (65) (66) (67) (68) (69) (70) (71) (72) (73) (74) (75) (76) (77) (78) (79) (80) (81) (82) (83) (84) (85) (86) (87) (88) (89) (90) (91) (92) (93) (94) (95) (96) (97) (98) (99) (100)				

Subject	Chapter 112. Science			
Course Title	§112.12. Science, Grade 1, Beginning with School Year 2010-2011.			
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
(4) Scientific				



Subject	Chapter 112. Science			
Course Title	§112.12. Science, Grade 1, Beginning with School Year 2010-2011.			
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
(4) Scientific investigation and reasoning. The student uses appropriate tools and models to investigate the natural world. The student is expected to:	(A) collect, record, and compare information using tools, including computers, hand lenses, primary balances, cups, bowls, magnets, collecting nets, notebooks, and safety goggles; timing devices, including clocks and timers; nonstandard measuring items such as paper clips and clothespins; weather instruments such as classroom demonstration thermometers and wind socks; and materials to support observations of habitats of organisms such as aquariums and terrariums	(xxi) compare information using tools, including magnets		
(4) Scientific investigation and reasoning. The student uses appropriate tools and models to investigate the natural world. The student is expected to:	(A) collect, record, and compare information using tools, including computers, hand lenses,			

Subject	Chapter 112. Science			
Course Title	§112.12. Science, Grade 1, Beginning with School Year 2010-2011.			
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
(4) Scientific investigation and reasoning. The student uses appropriate tools and models to investigate the natural world. The student is expected to:	(A) collect, record, and compare information using tools, including computers, hand lenses, primary balances, cups, bowls, magnets, collecting nets, notebooks, and safety goggles; timing devices, including clocks and timers; nonstandard measuring items such as paper clips and clothespins; weather instruments such as classroom demonstration thermometers and wind socks; and materials to support observations of habitats of organisms such as aquariums and terrariums	(xxiii) compare information using tools, including notebooks		
(4) Scientific investigation and reasoning. The student uses appropriate tools and models to investigate the natural world. The student is expected to:	(A) collect, record, and compare information using tools, including computers, hand lenses, primary balances, cups, bowls, magnets, collecting nets, notebooks, and safety goggles; timing nets, computers, and safety goggles			

Subject	Chapter 112. Science			
Course Title	§112.12. Science, Grade 1, Beginning with School Year 2010-2011.			
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
(4) Scientific investigation and reasoning. The student uses appropriate tools and models to investigate the natural world. The student is expected to:	(A) collect, record, and compare information using tools, including computers, hand lenses, primary balances, cups, bowls, magnets, collecting nets, notebooks, and safety goggles; timing devices, including clocks and timers; nonstandard measuring items such as paper clips and clothespins; weather instruments such as classroom demonstration thermometers and wind socks; and materials to support observations of habitats of organisms such as aquariums and terrariums	(xxv) compare information using tools, including timing devices including timers		
(4) Scientific investigation and reasoning. The student uses appropriate tools and models to investigate the natural world. The student is expected to:	(A) collect, record, and compare information using tools, including computers, hand lenses, primary balances, cups, bowls, magnets, collecting nets, notebooks, and safety goggles; timing devices, including clocks and timers; nonstandard measuring items such as paper clips and clothespins; weather instruments such as classroom demonstration thermometers and wind socks; and materials to support observations of habitats of organisms such as aquariums and terrariums	(xxvi) compare information using tools, including nonstandard measuring items		

Subject	Chapter 112. Science			
Course Title	§112.12. Science, Grade 1, Beginning with School Year 2010-2011.			
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(4) Scientific investigation and reasoning. The student uses appropriate tools and models to investigate the natural world. The student is expected to:	(A) collect, record, and compare information using tools, including computers, hand lenses, primary balances, cups, bowls, magnets, collecting nets, notebooks, and safety goggles; timing devices, including clocks and timers; nonstandard measuring items such as paper clips and clothespins; weather instruments such as classroom demonstration thermometers and wind socks; and materials to support observations of habitats of organisms such as aquariums and terrariums	(xxviii)		

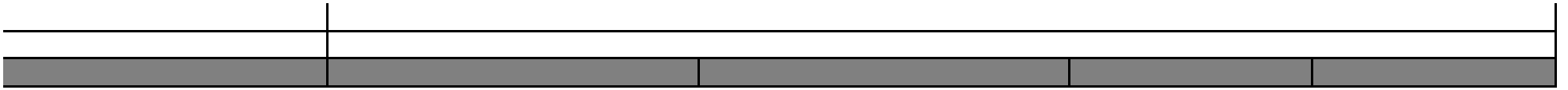
Subject	Chapter 112. Science			
Course Title	§112.12. Science, Grade 1, Beginning with School Year 2010-2011.			
TEKS (P)				

important to

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Course Title	§112.12. Science, Grade 1, Beginning with School Year 2010-2011.			
TEKS (Knowledge and Skills)	Student Expectation	Priority	Element	Subelement
(6) Force, motion, and energy. The student knows that force, motion, and energy are related and are a part of everyday life. The student is expected to:	(A) identify and discuss how different forms of energy such as light, heat, and sound are important to everyday life	(A) identify		

Subject	Chapter 112. Science			
Course Title	§112.12. Science, Grade 1, Beginning with School Year 2010-2011.			
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
(7) Earth and space. The student knows that the natural world includes rocks, soil, and water that can be observed in cycles, patterns, and systems. The student is expected to:	(A) observe, compare, describe, and	to:The		

Subject	Chapter 112. Science			
Course Title	§112.12. Science, Grade 1, Beginning with School Year 2010-2011.			
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
(7) Earth and space. The student knows that the natural world includes rocks, soil, and water that can be observed in cycles, patterns, and systems. The student is expected to:	(B) identify and describe a variety of natural sources of water, including streams, lakes, and oceans	(iv) describe a variety of natural sources of water, including streams		
(7) Earth and space. The student knows that the natural world includes rocks, soil, and water that can be observed in cycles, patterns, and systems. The student is expected to:	(B) identify and describe a variety of natural sources of water, including streams, lakes, and oceans	(v) describe a variety of natural sources of water, including lakes		
(7) Earth and space. The student knows that the natural world includes rocks, soil, and water that can be observed in cycles, patterns, and systems. The student is expected to:	(B) identify and describe a variety of natural sources of water, including streams, lakes, and oceans	(vi) describe a variety of natural sources of water, including oceans		
(7) Earth and space. The student knows that the natural world includes rocks, soil, and water that can be observed in cycles, patterns, and systems. The student is expected to:	(C) gather evidence of how rocks, soil, and water help to make useful products	(i) gather evidence of how rocks help to make useful products		
(7) Earth and space. The student knows that the natural world includes rocks, soil, and water that can be observed in cycles, patterns, and systems. The student is expected to:	(C) gather evidence of how rocks, soil, and water help to make useful products	(ii) gather evidence of how soil help[s] to make useful products		



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Course Title	§112.12. Science, Grade 1, Beginning with School Year 2010-2011.			
TEKS (Knowledge and Skills)	Student Expectation	Breakout	Element	Subelement
(8) Earth and space. The student knows that the natural world includes the air around us and objects in the sky. The student is expected to:	(C) identify characteristics of the seasons of the year and day and night	(iii) identify characteristics of night		
(8) Earth and space. The student knows that the natural world includes the air around us and objects in the sky. The student is expected to:	(D) demonstrate that air is all around us and observe that wind is moving air	(i) demonstrate that air is all around us		
(8) Earth and space. The student knows that the natural world includes the air around us and objects in the sky. The student is expected to:	(D) demonstrate that air is all around us and observe that wind is moving air whether	(ii) observe that wind is moving air		
(9) Organisms and environments. The student knows that the living environment is composed of relationships between organisms and the life cycles that occur. The student is expected to:	(A) sort and classify living and nonliving things based upon whether			

Subject	Chapter 112. Science			
Course Title	§112.12. Science, Grade 1, Beginning with School Year 2010-2011.			
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(9) Organisms and environments. The student knows that the living environment is composed of relationships between organisms and the life cycles that occur. The student is expected to:	(A) sort and classify living and nonliving things based upon whether or not they have basic needs and produce offspring	(iv) classify living and nonliving things based upon whether or not they produce offspring		
(9) Organisms and environments. The student knows that the living environment is composed of relationships between organisms and the life cycles that occur. The student is expected to:	(B) analyze and record examples of interdependence found in various situations such as terrariums and aquariums or pet and caregiver	(i) analyze examples of interdependence found in various situations		
(9) Organisms and environments. The student knows that the living environment is composed of relationships between organisms and the life cycles that occur. The student is expected to:	(B) analyze and record examples of interdependence found in various situations such as terrariums and aquariums or pet and caregiver	(ii) record examples of interdependence found in various situations		
(9) Organisms and environments. The student knows that the living environment is composed of relationships between organisms and the life cycles that occur. The student is expected to:	(C) gather evidence of interdependence among living organisms such as energy transfer through food chains and animals using plants for shelter	(i) gather evidence of interdependence among living organisms		
(10) Organisms and environments. The student knows that organisms resemble their parents and have structures and processes that help them survive within their environments. The student is expected to:	(A) investigate how the external characteristics of an animal are related to where it lives, how it moves, and what it eats	(i) investigate how the external characteristics of an animal are related to where it lives		

Subject	Chapter 112. Science			
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(10) Organisms and environments. The student knows that organisms resemble their parents and have structures and processes that help them survive within their environments. The student is expected to:	(A) investigate how the external characteristics of an animal are related to where it lives, how it moves, and what it eats	(ii) investigate how the external characteristics of an animal are related to how it moves		
(10) Organisms and environments. The student knows that organisms resemble their parents and have structures and processes that help them survive within their environments. The student is expected to:	(A) investigate how the external characteristics of an animal are related to where it lives, how it moves, and what it eats	(iii) investigate how the external characteristics of an animal are related to what it eats		
(10) Organisms and environments. The student knows that organisms resemble their parents and have structures and processes that help them survive within their environments. The student is expected to:	(B) identify and compare the parts of plants	(i) identify the parts of plants		
(10) Organisms and environments. The student knows that organisms resemble their parents and have structures and processes that help them survive within their environments. The student is expected to:	(B) identify and compare the parts of plants	(ii) compare the parts of plants		
(10) Organisms and environments. The student knows that organisms resemble their parents and have structures and processes that help them survive within their environments. The student is expected to:	(C) compare ways that young animals resemble their parents			

