

Publisher: CPO Science

Program Title: *CPO Focus on Life Science*

Components used in Standards Map, with abbreviations: Student Edition (**SE: page #**), Investigation Manual (**INV: page #**), Teacher's Guide (**TE: page #**), Skill and Practice Worksheets (**SP: section # and "First word of title..."**), Teaching Illustrations (**TI: section # and "First word of title..."**)

Other program components: Equipment Kit, Black-line Answer Sheets, Pre-Assessment Questions, ELL Strategies, ExamView CD and booklet, Electronic Book (includes SE and INV)

Grade Level: Seven

**Standards Map – Basic Comprehensive Program  
Science  
Grade – Seven  
Focus on Life Science**

Grade	Standard #	Text of Standard	PUBLISHER CITATIONS		IMAP/CRP USE ONLY		
			Primary Citations	Supporting Citations	Meets Standard Y N		IMAP/CRP Notes
<b>CELL BIOLOGY</b>							
7	1	<b><u>All living organisms are composed of cells, from just one to many trillions, whose details usually are visible only through a microscope. As a basis for understanding this concept:</u></b>					
7	1.a	<i>Students know</i> cells function similarly in all living organisms.	<b>SE:</b> 29, 33, 36, 37, 87, 91-103, 109, 111, 112, 115, 127, 129-134, 141, 215, 267, 278, 309, 314, 324	<b>SP:</b> 5.1 "Robert..." <b>SP:</b> 5.1 "Anton..." <b>TI:</b> 1.1 "Comparing..." <b>TI:</b> 2.1 "Characteristics..." <b>TI:</b> 5.1 "Cell..."			

			PUBLISHER CITATIONS		IMAP/CRP USE ONLY		
Grade	Standard #	Text of Standard	Primary Citations	Supporting Citations	Meets Standard		IMAP/CRP Notes
					Y	N	
			<b>INV:</b> 27-31	<b>TE:</b> 18, 84, 90, 102, 124			
7	1.b	<i>Students know</i> the characteristics that distinguish plant cells from animal cells, including chloroplasts and cell walls.	<b>SE:</b> 34, 92-97, 110, 125, 131, 162, 232, 233, 269 <b>INV:</b> 29-31, 43	<b>TE:</b> 108-112 <b>SP:</b> 5.2 “Animal...” <b>SP:</b> 5.2 “Plant...” <b>TI:</b> 5.2 “Diagram of an Animal Cell” <b>TI:</b> 5.2 “Diagram of a Plant Cell” <b>TI:</b> 6.1 “Diagram of a Cell Membrane” <b>TI:</b> 6.2 “Photosynthesis...”			
7	1.c	<i>Students know</i> the nucleus is the repository for genetic information in plant and animal cells.	<b>SE:</b> 96-100, 109, 154, 156, 204, 270, 278, 352 <b>INV:</b> 38, 42, 44, 46	<b>TE:</b> 90, 138, 144, 160, 174 <b>TI:</b> 5.2 “Diagram of an Animal Cell” <b>TI:</b> 5.2 “Diagram of a Plant Cell”			
7	1.d	<i>Students know</i> that mitochondria liberate energy for the work that cells do and that chloroplasts capture sunlight energy for photosynthesis.	<b>SE:</b> 98-104, 120-123, 128, 137, 154, 204, 205, 372 <b>INV:</b> 30, 31	<b>TE:</b> 108-112 <b>TI:</b> 6.2 “Photosynthesis...”			
7	1.e	<i>Students know</i> cells divide to increase their numbers through a process of mitosis, which results in two daughter cells with identical sets of chromosomes.	<b>SE:</b> 94, 152, 155-157, 195, 310 <b>INV:</b> 42-45	<b>TE:</b> 138-140 <b>SP:</b> 8.1 “Mitosis” <b>SP:</b> 8.1 “Phases...” <b>SP:</b> 8.1 “Ernest...” <b>TI:</b> 8.1 “Cell...”			

			PUBLISHER CITATIONS		IMAP/CRP USE ONLY		
Grade	Standard #	Text of Standard	Primary Citations	Supporting Citations	Meets Standard		IMAP/CRP Notes
					Y	N	
7	1.f	<i>Students know</i> that as multicellular organisms develop, their cells differentiate.	<b>SE:</b> 92, 101, 115, 124, 125, 162	<b>TE:</b> 145			
<b>GENETICS</b>							
7	2	<b><u>A typical cell of any organism contains genetic instructions that specify its traits. Those traits may be modified by environmental influences.</u></b> As a basis for understanding this concept:					
7	2.a	<i>Students know</i> the differences between the life cycles and reproduction methods of sexual and asexual organisms.	<b>SE:</b> 154-168, 200, 267, 270, 271, 281-283, 293-296, 299, 300, 313, 315-319, 325-329, 350, 352 <b>INV:</b> 85	<b>TE:</b> 138-141 <b>SP:</b> 14.3 “Plant...” <b>SP:</b> 16.2 “Human...”			
7	2.b	<i>Students know</i> sexual reproduction produces offspring that inherit half their genes from each parent.	<b>SE:</b> 161, 163, 166, 168, 178, 198, 200, 268, 271, 310 <b>INV:</b> 44-47	<b>TE:</b> 154-157 <b>SP:</b> 8.2 “Meiosis” <b>SP:</b> 9.1 “Genetics”			
7	2.c	<i>Students know</i> an inherited trait can be determined by one or more genes.	<b>SE:</b> 106, 144, 164, 170, 172, 183, 185 <b>INV:</b> 48, 60-65	<b>TE:</b> 154-157 <b>SP:</b> 9.1 “Genetics...” <b>TI:</b> 9.3 “Cat			

Grade	Standard #	Text of Standard	PUBLISHER CITATIONS		IMAP/CRP USE ONLY		
			Primary Citations	Supporting Citations	Meets Standard		IMAP/CRP Notes
					Y	N	
				Crosses...			
7	2.d	<i>Students know</i> plant and animal cells contain many thousands of different genes and typically have two copies of every gene. The two copies (or alleles) of the gene may or may not be identical, and one may be dominant in determining the phenotype while the other is recessive.	<b>SE:</b> 174-178, 181-186, 189-191, 195, 196, 199, 206, 207, 224-231, 267, 399, 400 <b>INV:</b> 48-54, 60-65	<b>TE:</b> 154-157 <b>SP:</b> 9.1 "Working..." <b>SP:</b> 9.1 "Gregor..." <b>SP:</b> 9.1 "Walter..." <b>SP:</b> 9.2 "Probability" <b>SP:</b> 9.2: "Punnet..." <b>TI:</b> 9.1 "Four..." <b>TI:</b> 9.1 "Pea..." <b>TI:</b> 9.1 "Flower..." <b>TI:</b> 9.2 "Principles..." <b>TI:</b> 9.2 "Fertilization..." <b>TI:</b> 9.2 "First..."			
7	2.e	<i>Students know</i> DNA (deoxyribonucleic acid) is the genetic material of living organisms and is located in the chromosomes of each cell.	<b>SE:</b> 78, 79, 95, 96, 100, 124, 141, 152, 153, 157-160, 167, 177, 181, 193-208, 215, 218, 221, 352, 360, 361 <b>INV:</b> 55-59	<b>TE:</b> 174-181 <b>SP:</b> 10.1 "Rosalind..." <b>SP:</b> 10.1 "James..." <b>TI:</b> 10.1 "DNA..." <b>TI:</b> 10.1 "Human..." <b>TI:</b> 10.1 "Protein..." <b>TI:</b> 10.1 "Gene..."			

**EVOLUTION**

Grade	Standard #	Text of Standard	PUBLISHER CITATIONS		IMAP/CRP USE ONLY		
			Primary Citations	Supporting Citations	Meets Standard		IMAP/CRP Notes
					Y	N	
7	3	<b><u>Biological evolution accounts for the diversity of species developed through gradual processes over many generations.</u></b> As a basis for understanding this concept:					
7	3.a	<i>Students know</i> both genetic variation and environmental factors are causes of evolution and diversity of organisms.	<b>SE:</b> 165, 184, 198, 214, 218, 225-231, 267, 270, 271, 293 <b>INV:</b> 60, 62	<b>TE:</b> 190-197 <b>TI:</b> 10.2 “Corn...” <b>TI:</b> 10.2 “Genetic...” <b>TI:</b> 10.2 “Human...” <b>TI:</b> 11.3 “Pesticide...” <b>TI:</b> 11.3 “Adaptation...”			
7	3.b	<i>Students know</i> the reasoning used by Charles Darwin in reaching his conclusion that natural selection is the mechanism of evolution.	<b>SE:</b> 187, 213, 222-231, 247, 267, 319, 321 <b>INV:</b> 63-65, 70	<b>TE:</b> 192-195 <b>SP:</b> 11.1 “Charles...” <b>TI:</b> 11.2 “Natural...”			
7	3.c	<i>Students know</i> how independent lines of evidence from geology, fossils, and comparative anatomy provide the bases for the theory of evolution.	<b>SE:</b> 40, 63, 137, 139, 214-222, 249, 254, 264, 274, 280, 285, 309, 312, 318, 327, 329, 332, 333 <b>INV:</b> 66-71	<b>TE:</b> 190-192 <b>TI:</b> 11.1 “Life...” <b>TI:</b> 11.1 “Homologous...” <b>TI:</b> 11.1 “Horse...”			

Grade	Standard #	Text of Standard	PUBLISHER CITATIONS		IMAP/CRP USE ONLY		
			Primary Citations	Supporting Citations	Meets Standard		IMAP/CRP Notes
					Y	N	
7	3.d	<i>Students know</i> how to construct a simple branching diagram to classify living groups of organisms by shared derived characteristics and how to expand the diagram to include fossil organisms.	<b>SE:</b> 215, 216, 218, 220-224, 264-266, 274, 279, 280, 320, 331, 334 <b>INV:</b> 72-74	<b>TE:</b> 190, 228, 24, 266 <b>SP:</b> 13.1 “Carolus...” <b>SP:</b> 13.1 “Cladograms...” <b>TI:</b> 13.1 “Human...” <b>TI:</b> 13.1 “Primate...” <b>TI:</b> 13.1 “Evolutionary...” <b>TI:</b> 14.1 “Plant...” <b>TI:</b> 14.1 “Plant Branch...”			
7	3.e	<i>Students know</i> that extinction of a species occurs when the environment changes and that the adaptive characteristics of a species are insufficient for its survival.	<b>SE:</b> 230, 231, 251 <b>INV:</b> 60-62	<b>TE:</b> 198, 218			
<b>EARTH AND LIFE HISTORY (EARTH SCIENCE)</b>							
7	4	<b><u>Evidence from rocks allows us to understand the evolution of life on Earth.</u></b> As a basis for understanding this concept:					
7	4.a	<i>Students know</i> Earth processes today are similar to those that occurred in the past and slow	<b>SE:</b> 223, 245 <b>INV:</b> 66-71	<b>TE:</b> 216-218			

			PUBLISHER CITATIONS		IMAP/CRP USE ONLY		
Grade	Standard #	Text of Standard	Primary Citations	Supporting Citations	Meets Standard		IMAP/CRP Notes
					Y	N	
		geologic processes have large cumulative effects over long periods of time.					
7	4.b	<i>Students know</i> the history of life on Earth has been disrupted by major catastrophic events, such as major volcanic eruptions or the impacts of asteroids.	<b>SE:</b> 63, 251	<b>TE:</b> 218-222			
7	4.c	<i>Students know</i> that the rock cycle includes the formation of new sediment and rocks and that rocks are often found in layers, with the oldest generally on the bottom.	<b>SE:</b> 219, 220, 239-243, 253 <b>INV:</b> 66-69	<b>TE:</b> 210-222 <b>TI:</b> 12.1 “Rock...” <b>TI:</b> 12.1 “Teeth...”			
7	4.d	<i>Students know</i> that evidence from geologic layers and radioactive dating indicates Earth is approximately 4.6 billion years old and that life on this planet has existed for more than 3 billion years.	<b>SE:</b> 220, 239, 240, 242, 243, 253 <b>INV:</b> 66-69	<b>TE:</b> 218-222 <b>SP:</b> 12.1 “Scientific...” <b>SP:</b> 12.1 “Relative...” <b>TI:</b> 12.3 “Radioactive...”			
7	4.e	<i>Students know</i> fossils provide evidence of how life and environmental conditions have changed.	<b>SE:</b> 215, 219-223, 226, 238 <b>INV:</b> 70, 71	<b>TE:</b> 210-220 <b>TI:</b> 12.1 “Fossil...”			
7	4.f	<i>Students know</i> how movements of Earth’s continental and oceanic plates through time, with associated changes in climate and geographic connections, have	<b>SE:</b> 223, 245-248 <b>INV:</b> 70, 71	<b>TE:</b> 210-220 <b>SP:</b> 12.2 “Alfred...” <b>TI:</b> 12.2 “Wegener...” <b>TI:</b> 12.2			

			PUBLISHER CITATIONS		IMAP/CRP USE ONLY		
Grade	Standard #	Text of Standard	Primary Citations	Supporting Citations	Meets Standard		IMAP/CRP Notes
					Y	N	
		affected the past and present distribution of organisms.		“Pangea...”			
7	4.g	<i>Students know</i> how to explain significant developments and extinctions of plant and animal life on the geologic time scale.	<b>SE:</b> 55, 63, 137, 216, 250, 251, 253, 273	<b>TE:</b> 218-222 <b>SP:</b> 12.3 “Geologic...” <b>TI:</b> 12.3 “Geologic...”			
<b>STRUCTURE AND FUNCTION IN LIVING SYSTEMS</b>							
7	5	<b><u>The anatomy and physiology of plants and animals illustrate the complementary nature of structure and function. As a basis for understanding this concept:</u></b>					
7	5.a	<i>Students know</i> plants and animals have levels of organization for structure and function, including cells, tissues, organs, organ systems, and the whole organism.	<b>SE:</b> 33, 34, 92, 106, 124, 142, 143, 199, 202, 313, 322, 323, 330, 331, 342-349, 355-360, 368-372, 382, 383, 390-395, 408 <b>INV:</b> 75-95	<b>TE:</b> 36, 144, 266, 272, 274, 286, 298, 324 <b>SP:</b> 16.3 “Skin” <b>SP:</b> 16.3 “Endocrine...” <b>SP:</b> 16.3 “Digestive...”			
7	5.b	<i>Students know</i> organ systems function because of the contributions of individual organs, tissues, and cells. The failure of any part can affect the entire system.	<b>SE:</b> 33, 34, 106, 124, 279, 286-292, 312-333, <b>INV:</b> 75-104	<b>TE:</b> 36, 286-300 <b>SP:</b> 14.2 “Plant...” <b>SP:</b> 14.2 “Root...” <b>TI:</b> 14.2 “Plant...” <b>TI:</b> 14.2 “Leaf...”			

Grade	Standard #	Text of Standard	PUBLISHER CITATIONS		IMAP/CRP USE ONLY		
			Primary Citations	Supporting Citations	Meets Standard		IMAP/CRP Notes
					Y	N	
7	5.c	<i>Students know</i> how bones and muscles work together to provide a structural framework for movement.	<b>SE:</b> 34, 323, 343, 355, 368-374, 380, 384 <b>INV:</b> 96-101	<b>TE:</b> 306-316 <b>SP:</b> 17.1 “Human Skeleton” <b>SP:</b> 17.1 “Bone...” <b>SP:</b> 17.1 “Human Body...” <b>TI:</b> 17.1 “Human...” <b>TI:</b> 17.1 “Types...” <b>TI:</b> 17.1 “Muscular...” <b>TI:</b> 17.1 “Biceps...”			
7	5.d	<i>Students know</i> how the reproductive organs of the human female and male generate eggs and sperm and how sexual activity may lead to fertilization and pregnancy.	<b>SE:</b> 161, 164, 199, 350-354, 359-361	<b>TE:</b> 292-297 <b>SP:</b> 16.2 “Human...” <b>TI:</b> 16.2 “Male...” <b>TI:</b> 16.2 “Female...” <b>TI:</b> 16.2 “Fertilization...”			
7	5.e	<i>Students know</i> the function of the umbilicus and placenta during pregnancy.	<b>SE:</b> 353-354	<b>TE:</b> 292, 293 <b>TI:</b> 16.3 “Endocrine...”			
7	5.f	<i>Students know</i> the structures and processes by which flowering plants generate pollen, ovules, seeds, and fruit.	<b>SE:</b> 171, 172, 176, 189, 283, 284, 293-300 <b>INV:</b> 79-82	<b>TE:</b> 252-257 <b>SP:</b> 14.3 “Flower...” <b>SP:</b> 14.2 “Plant...” <b>TI:</b> 14.3 “Flower Parts” <b>TI:</b> 14.3 “Flower to Fruit”			

			PUBLISHER CITATIONS		IMAP/CRP USE ONLY		
Grade	Standard #	Text of Standard	Primary Citations	Supporting Citations	Meets Standard		IMAP/CRP Notes
					Y	N	
7	5.g	<i>Students know</i> how to relate the structures of the eye and ear to their functions.	<b>SE:</b> 81, 82, 86, 90, 91, 120, 330, 395-398, 404, 410 <b>INV:</b> 86-89, 102-108	<b>TE:</b> 74-79, 330-339 <b>SP:</b> 15.3 “Mammalian...” <b>SP:</b> 18.3 “Parts...” <b>TI:</b> 18.4 “Human Ear...” <b>TI:</b> 15.3 “Eye...”			
<b>PHYSICAL PRINCIPLES IN LIVING SYSTEMS (PHYSICAL SCIENCE)</b>							
7	6	<b><u>Physical principles underlie biological structures and functions.</u></b> As a basis for understanding this concept:					
7	6.a	<i>Students know</i> visible light is a small band within a very broad electromagnetic spectrum.	<b>SE:</b> 86, 87, 119, 123, 128, 397 <b>INV:</b> 35, 36, 102, 103	<b>TE:</b> 110, 330, 331			
7	6.b	<i>Students know</i> that for an object to be seen, light emitted by or scattered from it must be detected by the eye.	<b>SE:</b> 81, 82, 86, 101, 120, 330, 395-398, 410 <b>INV:</b> 102-108	<b>TE:</b> 74-79, 330-339 <b>TI:</b> 18.2 “Light...”			
7	6.c	<i>Students know</i> light travels in straight lines if the medium it travels through does not change.	<b>SE:</b> 80-85, 90, 396, 401-404, 411 <b>INV:</b> 19-26, 104-108	<b>TE:</b> 74-79, 330-339 <b>TI:</b> 18.3 “Refracting...”			
7	6.d	<i>Students know</i> how simple lenses are used in a magnifying glass,	<b>SE:</b> 83-86, 90, 91, 396, 401-	<b>TE:</b> 74-79, 330-339			

			PUBLISHER CITATIONS		IMAP/CRP USE ONLY		
Grade	Standard #	Text of Standard	Primary Citations	Supporting Citations	Meets Standard		IMAP/CRP Notes
					Y	N	
		the eye, a camera, a telescope, and a microscope.	405, 410 <b>INV:</b> 19-26, 104-108	<b>TI:</b> 18.3 “Refracting...”			
7	6.e	<i>Students know</i> that white light is a mixture of many wavelengths (colors) and that retinal cells react differently to different wavelengths.	<b>SE:</b> 86, 87, 119, 123, 128, 397 <b>INV:</b> 35, 108	<b>TE:</b> 108-110, 330-332 <b>TI:</b> 18.2 “Perceiving...”			
7	6.f	<i>Students know</i> light can be reflected, refracted, transmitted, and absorbed by matter.	<b>SE:</b> 80-85, 90, 396, 404 <b>INV:</b> 19-25, 104-108	<b>TE:</b> 74-79, 330-338 <b>SP:</b> 3.2 “Reflection”			
7	6.g	<i>Students know</i> the angle of reflection of a light beam is equal to the angle of incidence.	<b>SE:</b> 80, 81, 90 <b>INV:</b> 19, 20	<b>TE:</b> 74-79 <b>SP:</b> 4.2 “Measuring...” <b>SP:</b> 4.2 “Ray...”			
7	6.h	<i>Students know</i> how to compare joints in the body (wrist, shoulder, thigh) with structures used in machines and simple devices (hinge, ball-and-socket, and sliding joints).	<b>SE:</b> 368, 371, 377-381 <b>INV:</b> 98-101	<b>TE:</b> 312-317 <b>SP:</b> 17.2 “Mechanical...” <b>SP:</b> 17.2 “Types...” <b>SP:</b> 17.2: “Levers...”			
7	6.i	<i>Students know</i> how levers confer mechanical advantage and how the application of this principle applies to the musculoskeletal system.	<b>SE:</b> 375-381, 384 <b>INV:</b> 96-101	<b>TE:</b> 312-317 <b>SP:</b> 17.2: “Levers...” <b>SP:</b> 17.2 “Mechanical...” <b>TI:</b> 17.2 “Head...” <b>TI:</b> 17.2 “Three...”			

			PUBLISHER CITATIONS		IMAP/CRP USE ONLY		
Grade	Standard #	Text of Standard	Primary Citations	Supporting Citations	Meets Standard		IMAP/CRP Notes
					Y	N	
				TI: 17.2 “Output...” TI: 17.2 “Mechanical...”			
7	6.j	<i>Students know</i> that contractions of the heart generate blood pressure and that heart valves prevent backflow of blood in the circulatory system.	<b>SE:</b> 342-349, 373 <b>INV:</b> 90-95	<b>TE:</b> 286-291 <b>SP:</b> 16.1 “Stopwatch...” <b>SP:</b> 16.1 “Helen...” <b>SP:</b> 16.1 “The Heart” SP: 16.1 “Respiratory...” <b>SP:</b> 16.1 “Circulation...” <b>TI:</b> 16.1 “Heart...” <b>TI:</b> 16.1 “Blood...” <b>TI:</b> 16.1 “Respiratory...” <b>TI:</b> 16.1 “Tracing...”			
<b>INVESTIGATION AND EXPERIMENTATION</b>							
7	7	<b><u>Scientific progress is made by asking meaningful questions and conducting careful investigations. As a basis for understanding this concept and addressing the content in the other three strands, students should develop their own questions and perform investigations.</u></b> Students will:					

Grade	Standard #	Text of Standard	PUBLISHER CITATIONS		IMAP/CRP USE ONLY		
			Primary Citations	Supporting Citations	Meets Standard		IMAP/CRP Notes
					Y	N	
7	7.a	Select and use appropriate tools and technology (including calculators, computers, balances, spring scales, microscopes, and binoculars) to perform tests, collect data, and display data.	<b>SE:</b> 5-10, 84, 86, 156, 395 <b>INV:</b> 10, 23-29, 37, 40, 42, 77-85, 96, 97, 100, 119-137	<b>TE:</b> 10-23 <b>SP:</b> 1.3: "Types..." <b>SP:</b> 1.3 "Drawing..." <b>SP:</b> 2.1 "Internet..." <b>SP:</b> 4.1 "Using..." <b>TI:</b> 4.3 "Diagram of Microscope..."			
7	7.b	Use a variety of print and electronic resources (including the World Wide Web) to collect information and evidence as part of a research project.	<b>SE:</b> 97, 133, 149, 362, 412 <b>INV:</b> 38, 40, 69, 71	<b>TE:</b> 49, 125, 299 <b>SP:</b> 2.1 "Internet..."			
7	7.c	Communicate the logical connection among hypotheses, science concepts, tests conducted, data collected, and conclusions drawn from the scientific evidence.	<b>SE:</b> 11-26, 30, 44, 55, 56, 67, 90, 105, 110, 122, 128, 191, 231, 256, 332, 362, 394 <b>INV:</b> 1-6, 18, 26, 28, 31, 33, 36, 38, 40, 41, 49, 52, 54, 63, 65, 69, 70, 71, 74, 75, 77, 78, 79, 82, 90, 94, 95, 98, 99, 102, 107, 108, 116, 117, 139-141	<b>TE:</b> 10-25 <b>SP:</b> 1.2 "Scientific..." <b>TI:</b> 1.2 "Variables..." <b>TI:</b> 1.2 "Scientific..." <b>TI:</b> 1.3 "Depth..."			

			PUBLISHER CITATIONS		IMAP/CRP USE ONLY		
Grade	Standard #	Text of Standard	Primary Citations	Supporting Citations	Meets Standard		IMAP/CRP Notes
					Y	N	
7	7.d	Construct scale models, maps, and appropriately labeled diagrams to communicate scientific knowledge (e.g., motion of Earth's plates and cell structure).	<b>SE:</b> 24, 99, 103, 105, 108, 126, 133, 146, 148, 157, 13, 166, 167, 185, 188, 191, 197, 205, 238-248, 302, 334, 362, 405, 412 <b>INV:</b> 21-47, 56, 66-69, 74-85, 99, 101, 141	<b>TE:</b> 90-95, 216-217 <b>TI:</b> 1.1 "Comparing..." <b>TI:</b> 4.3 "Diagram of Microscope..." <b>TI:</b> 5.2 "Diagram of an Animal Cell" <b>TI:</b> 5.2 "Diagram of a Plant Cell" <b>TI:</b> 6.1 "Diagram of a Cell Membrane..." <b>TI:</b> 7.3 "Virus..." <b>TI:</b> 12.2 "Pangea..."			
7	7.e	Communicate the steps and results from an investigation in written reports and oral presentations.	<b>SE:</b> 14, 16, 110 <b>INV:</b> 116-118, 6, 15, 50, 65, 92,	<b>TE:</b> 16-21 <b>SP:</b> 1.2 "Scientific..."			
Appendix							