Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
I.I.I.01 7	Scientific Thinking and Practice	Use scientific methods to develop questions, design and conduct experiments using appropriate technologies, analyze and evaluate results, make predictions, and communicate findings.	Use a variety of print and web resources to collect information, inform investigations, and answer a scientific question or hypothesis.	50	use web resources to collect information	15	using web resources to collect info
						18	web resources
				80	creating and using data tables	49	using Internet to do research on Giardia
				84	doing background research	51	using Internet for supplemental resources
				89	Internet research	80	Internet research
				122	Internet research		
				141	using Internet to do research		
				177	using Internet for research		
				193	using Internet for research		
				402	Internet research		
				452	Internet research		

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
I.I.I.01 8	Scientific Thinking and Practice	Use scientific methods to develop questions, design and conduct experiments using appropriate technologies, analyze and evaluate results, make predictions, and communicate findings.	Evaluate the accuracy and reproducibility of data and observations.	14 15	repeatability of results repeatability is necessary for verification of evidence	3 3 30 107	recognize that repeatability is necessary for verification of evidence analysis of error in measurement analysis of errors in experiments analysis of errors

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
I.I.I.02 8	Scientific Thinking and Practice	Use scientific methods to develop questions, design and conduct experiments using appropriate technologies, analyze and evaluate results, make predictions, and communicate findings.	Use a variety of technologies to gather, analyze and interpret scientific data.	17	interpretation of patterns from graphs and tables	1	measurements and use of proper tools
				21	interpretation of patterns in data	82	measurement
				24	interpretation of patterns in data	87	patterns in data
				40	patterns from	97	measuring
				190	interpretation of patterns from data	101	conduct experiment including selecting equipment
				260	interpretation of data from charts	133	measuring
				434	making measurements	134	measuring
						135	measuring
						136	measuring
						139	measuring
						140	measuring
						141	measuring
						142	measuring

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
I.I.I.02 7	Scientific Thinking and Practice	Use scientific methods to develop questions, design and conduct experiments using appropriate technologies, analyze and evaluate results, make predictions, and communicate findings.	Use models to explain the relationships between variables being investigated.	17	constructing a graphical model	3	constructing graphical model
				17	interpretation of patterns from graphs and tables	6	creating a graphical model from data
				18	making graphical model from data	37	making graph from data
				19	creating graphical model from data	47	using data tables
				21	constructing graphical model from data	54	constructing graphical model from data
				21	interpretation of patterns in data	57	making sketches and diagrams
				24	interpretation of patterns in data	83	evaluate graphical model
				40	patterns from	87	evaluate data from graph
				190	interpretation of patterns from data	87	analyze trends from data
				260	interpretation of data from charts	87	patterns in data
				300	graphs	107	best fit line
						107	create and analyze graphical model from data
						153	lab notebook
						154	making graphs

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
I.I.I.03 8	Scientific Thinking and Practice	Use scientific methods to develop questions, design and conduct experiments using appropriate technologies, analyze and evaluate results, make predictions, and communicate findings.	Know how to recognize and explain anomalous data.	14 15	repeatability of results repeatability is necessary for verification of evidence	3 3 30 82 107	recognize that repeatability is necessary for verification of evidence analysis of error in measurement analysis of errors in experiments error in measurements analysis of errors

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
I.I.I.1 6	Scientific Thinking and Practice	Use scientific methods to develop questions, design and conduct experiments using appropriate technologies, analyze and evaluate results, make predictions, and communicate findings.	Construct appropriate graphs from data and develop qualitative and quantitative statements about the relationships between variables being investigated.	17 17 18 19 20 21 21 21 24 26 40 190 190 260 300	constructing a graphical model interpretation of patterns from graphs and tables making graphical model from data creating graphical model from data analysis of trends from data constructing graphical model from data analyze trends from data interpretation of patterns in data interpretation of patterns in data analyze trends in data patterns from construct explanations supported by evidence interpretation of patterns from data interpretation of data from charts graphs	3 6 19 37 47 54 54 57 70 76 77 79 83 84 85 87 87 87	constructing graphical model creating a graphical model from data explanation based on data making graph from data using data tables analyze trends from data constructing graphical model from data making sketches and diagrams make explanations based on evidence construct explanations backed by data construct explanation based on evidence explanation supported by evidence evaluate graphical model explanations based on evidence construct explanations based on evidence patterns in data evaluate data from graph analyze trends from data

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page	Volume Two Investigation Manual Page
					105 explanations from experiments 107 create and analyze graphical model from data 113 analyze trends from data 113 analyze lever equilibrium data 153 lab notebook 154 making graphs
I.I.I.2 6	Scientific Thinking and Practice	Use scientific methods to develop questions, design and conduct experiments using appropriate technologies, analyze and evaluate results, make predictions, and communicate findings.	Examine the reasonableness of data supporting a proposed scientific explanation.	14 repeatability of results 14 analyze hypothesis based on observation 15 repeatability is necessary for verification of evidence	3 recognize that repeatability is necessary for verification of evidence 3 analysis of error in measurement 30 analysis of errors in experiments 107 analysis of errors 120 analyze hypothesis in light of data 155 analyze hypothesis based on evidence

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
I.I.I.3 6	Scientific Thinking and Practice	Use scientific methods to develop questions, design and conduct experiments using appropriate technologies, analyze and evaluate results, make predictions, and communicate findings.	Justify predictions and conclusions based on data.	157 190	making predictions based on inferences from data construct explanations supported by evidence	6 9 19 19 22 25 27 45 58 61 70 70 75 76	make prediction based on inferences from data make predictions based on inferences from data explanation based on data predict make predictions based on observed data review hypothesis based on results of observation make predictions based on observed data making predictions based on inferences from observed data make predictions based on inferences from data make predictions based on inferences from observed data make explanations based on evidence make predictions from data use arguments of % to describe data construct explanations backed by data

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
						77	construct explanation based on evidence
						79	explanation supported by evidence
						84	explanations based on evidence
						85	construct explanations based on evidence
						92	make predictions based on inferences from observed data
						105	explanations from experiments
						115	make predictions based on data
						121	make predictions based on observations
I.I.II.01 7	Scientific Thinking and Practice	Understand the processes of scientific investigation and how scientific inquiry results in scientific knowledge.	Describe how bias can affect scientific investigation and conclusions.	14	repeatability of results	3	recognize that repeatability is necessary for verification of evidence
				15	repeatability is necessary for verification of evidence	37	sources of bias
				251	scientists have ethical standards for their work		

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
I.I.II.01 8	Scientific Thinking and Practice	Understand the processes of scientific investigation and how scientific inquiry results in scientific knowledge.	Examine alternative explanations for observations.	17 21 24 40 190 260	interpretation of patterns from graphs and tables interpretation of patterns in data interpretation of patterns in data patterns from interpretation of patterns from data interpretation of data from charts	87	patterns in data
I.I.II.02 7	Scientific Thinking and Practice	Understand the processes of scientific investigation and how scientific inquiry results in scientific knowledge.	Critique procedures used to investigate a hypothesis.			6 61 92 101 108 111	plan investigative procedures including formulating a hypothesis plan investigative procedure including making hypothesis plan investigative procedure including making hypothesis plan a procedure including making hypothesis create investigative procedures—including making hypothesis plan investigative procedures—including formulating hypothesis

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
I.I.II.02 8	Scientific Thinking and Practice	Understand the processes of scientific investigation and how scientific inquiry results in scientific knowledge.	Describe ways in which science differs from other ways of knowing and from other bodies of knowledge (e.g., experimentation, logical arguments, skepticism).	15 39 103 151 251	science is a process understand limits of scientific knowledge science is learning about natural world recognize that science is a process of investigation understanding limits of scientific knowledge	55	recognition that science is a process of investigation—not facts and formulae
I.I.II.03 7	Scientific Thinking and Practice	Understand the processes of scientific investigation and how scientific inquiry results in scientific knowledge.	Analyze and evaluate scientific explanations.	14	analyze hypothesis based on observation	120 155	analyze hypothesis in light of data analyze hypothesis based on evidence

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
I.I.II.03 8	Scientific Thinking and Practice	Understand the processes of scientific investigation and how scientific inquiry results in scientific knowledge.	Know that scientific knowledge is built on questions posed as testable hypotheses, which are tested until the results are accepted by peers.	12 14 14 15 15 161	process of scientific inquiry repeatability of results repeatability of results repeatability is necessary for verification of evidence repeatability is necessary for verification of evidence scientific method—including making hypothesis	3 3 4 21 45	recognize that repeatability is necessary for verification of evidence recognize that repeatability is necessary for verification of evidence conduct scientific inquiry through laboratory experimentations—asking questions and making hypothesis scientific inquiry conduct scientific inquiry through laboratory experimentation
I.I.II.1 6	Scientific Thinking and Practice	Understand the processes of scientific investigation and how scientific inquiry results in scientific knowledge.	Understand that scientific knowledge is continually reviewed, critiqued, and revised as new data become available.	15 103 151	science is a process science is learning about natural world recognize that science is a process of investigation	55	recognition that science is a process of investigation—not facts and formulae

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
I.I.II.2 6	Scientific Thinking and Practice	Understand the processes of scientific investigation and how scientific inquiry results in scientific knowledge.	Understand that scientific investigations use common processes that include the collection of relevant data + observations, accurate measurements, identification + control of variables, + logical reasoning to formulate hypotheses and explanations.	12	process of scientific inquiry	4	recognizing and controlling variables in observation and experiments
				13	recognize control variables	4	conduct scientific inquiry through laboratory experimentations—asking questions and making hypothesis
				13	steps of scientific method	5	steps of scientific method
				14	steps of scientific method	5	recognizing and controlling variables
				15	science is a process	7	recognizing variables
				15	describing steps of scientific method	8	recognizing and controlling variables
				22	steps of scientific method	11	recognizing and controlling variables
				26	recognizing variables in observations and experiments	21	scientific inquiry
				26	steps of scientific method	21	recognizing control variables
				103	science is learning about natural world	22	recognizing variables
				151	recognize that science is a process of investigation	23	recognizing and controlling variables in experiments
				161	scientific method—including making hypothesis	24	recognizing and controlling variables in experiments
				376	scientific method	25	describe steps of the scientific method

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page	Volume Two Investigation Manual Page
					29 recognizing and controlling variables 45 conduct scientific inquiry through laboratory experimentation 47 recognizing and controlling variables 55 recognition that science is a process of investigation—not facts and formulae 95 identify and control variables 106 recognize and control variables 110 identify and control variables 112 controlling variables 113 controlling variables

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
I.I.II.3 6	Scientific Thinking and Practice	Understand the processes of scientific investigation and how scientific inquiry results in scientific knowledge.	Understand that not all investigations result in defensible scientific explanations.	8 12 14 15 30 96 149 300 434 434	proposing an explanation proposing explanations repeatability of results repeatability is necessary for verification of evidence interpreting observations and proposing explanations proposing explanations posing explanations interpret observations design scientific experiments interpret observation	3 3 18 27 30 30 34 39 42 44 47 49 52 63 65 76	analysis of error in measurement recognize that repeatability is necessary for verification of evidence revise explanations interpret observations analysis of errors in experiments interpreting observations and proposing explanations interpret observations interpreting observations interpreting observations interpreting observations and posing explanations posing explanations interpret observations and pose explanations proposing explanations from data interpreting observations and proposing explanations interpreting data and posing explanations interpret observations

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page	Volume Two Investigation Manual Page
					90 interpreting observations and proposing explanations 94 proposing explanations 97 interpret observations 107 analysis of errors 111 interpret observations and propose explanations 116 interpreting observations and proposing explanations 122 posing explanations

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
I.I.III.01 8	Scientific Thinking and Practice	Use mathematical ideas, tools, and techniques to understand scientific knowledge	Use mathematical expressions and techniques to explain data and observations and to communicate findings (e.g., formulas and equations, significant figures, graphing, sampling, estimation, mean).	17	making graphs	3	constructing graphical model
				17	interpretation of patterns from graphs and tables	6	creating a graphical model from data
				17	constructing a graphical model	15	written communication essential to science
				18	making graphical model from data	17	patterns in observed world
				18	making graphs	36	written and oral communication is important to science
				19	creating graphical model from data	37	making graph from data
				20	reading graphs and charts and tables	37	communication is important to science
				21	interpretation of patterns in data	37	making bar graphs
				21	constructing graphical model from data	47	using data tables
				21	reading graphs and charts and tables	54	constructing graphical model from data
				24	interpretation of patterns in data	57	making sketches and diagrams
				26	making graphs	74	reading graphs and tables
				40	patterns from	76	creating bar graphs
				82	creating pie graph	77	communicating
				95	reading graphs	80	communicating results
				130	communicating	82	averaging
				152	recognition that scientific knowledge can be in the form of models	83	evaluate graphical model
						87	patterns in data
						87	evaluate data from graph

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
				154	communicating scientific information in written form and explaining and discussing hard to grasp concepts	87	analyze trends from data
						93	reading data tables
						99	basic statistical analysis average
				170	science can be models	107	create and analyze graphical model from data
				170	present results of experiments or projects	113	find math rule for lever equilibrium
				172	reading data tables	120	communicating orally is essential to science
				190	interpretation of patterns from data	131	communicating results is essential to science
				210	science—not just a collection of facts but can be a conceptual model	153	lab notebook
				260	interpretation of data from charts	154	reading graphs
				300	graphs	154	making graphs
				402	average		
				402	scientific knowledge in the form of models		
				452	scientific knowledge can be in the form of models		

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
I.I.III.01 7	Scientific Thinking and Practice	Use mathematical ideas, tools, and techniques to understand scientific knowledge.	Understand that the number of data (sample size) influences the reliability of a prediction.	17	interpretation of patterns from graphs and tables	3	analysis of error in measurement
				21	interpretation of patterns in data	6	make prediction based on inferences from data
				24	interpretation of patterns in data	9	make predictions based on inferences from data
				40	patterns from	19	predict
				157	making predictions based on inferences from data	22	make predictions based on observed data
				190	interpretation of patterns from data	27	make predictions based on observed data
				260	interpretation of data from charts	30	analysis of errors in experiments
						45	making predictions based on inferences from observed data
						58	make predictions based on inferences from data
						61	make predictions based on inferences from observed data
						70	make predictions from data
						75	use arguments of % to describe data
						87	patterns in data
						92	make predictions based on inferences from observed data

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page	Volume Two Investigation Manual Page
					107 analysis of errors 115 make predictions based on data 121 make predictions based on observations

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
I.I.III.02 8	Scientific Thinking and Practice	Use mathematical ideas, tools, and techniques to understand scientific knowledge	Create models to describe phenomena.	17	constructing a graphical model	3	constructing graphical model
				17	making graphs	6	creating a graphical model from data
				18	making graphical model from data	36	written and oral communication is important to science
				18	making graphs	37	making graph from data
				19	creating graphical model from data	37	making bar graphs
				21	constructing graphical model from data	47	using data tables
				26	making graphs	54	constructing graphical model from data
				82	creating pie graph	57	making sketches and diagrams
				152	recognition that scientific knowledge can be in the form of models	76	creating bar graphs
				170	science can be models	83	evaluate graphical model
				210	science—not just a collection of facts but can be a conceptual model	87	evaluate data from graph
						87	analyze trends from data
				300	graphs	107	create and analyze graphical model from data
				402	scientific knowledge in the form of models	153	lab notebook
				452	scientific knowledge can be in the form of models	154	making graphs

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
I.I.III.03 7	Scientific Thinking and Practice	Use mathematical ideas, tools, and techniques to understand scientific knowledge.	Select and use an appropriate model to examine a phenomenon.	17	constructing a graphical model	3	constructing graphical model
				17	making graphs	6	creating a graphical model from data
				18	making graphical model from data	36	written and oral communication is important to science
				18	making graphs	37	making graph from data
				19	creating graphical model from data	37	making bar graphs
				21	constructing graphical model from data	47	using data tables
				26	making graphs	54	constructing graphical model from data
				82	creating pie graph	57	making sketches and diagrams
				152	recognition that scientific knowledge can be in the form of models	76	creating bar graphs
				170	science can be models	83	evaluate graphical model
				210	science—not just a collection of facts but can be a conceptual model	87	evaluate data from graph
						87	analyze trends from data
				300	graphs	107	create and analyze graphical model from data
				402	scientific knowledge in the form of models	153	lab notebook
				452	scientific knowledge can be in the form of models	154	making graphs

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
I.I.III.1 6	Scientific Thinking and Practice	Use mathematical ideas, tools, and techniques to understand scientific knowledge.	Evaluate the usefulness and relevance of data to an investigation.	8	proposing an explanation	3	analysis of error in measurement
				12	proposing explanations	3	recognize that repeatability is necessary for verification of evidence
				14	repeatability of results	18	revise explanations
				15	repeatability is necessary for verification of evidence	27	interpret observations
				17	interpretation of patterns from graphs and tables	30	analysis of errors in experiments
				21	interpretation of patterns in data	30	interpreting observations and proposing explanations
				24	interpretation of patterns in data	34	interpret observations
				30	interpreting observations and proposing explanations	39	interpreting observations
				40	patterns from	42	interpreting observations
				96	proposing explanations	44	interpreting observations and posing explanations
				149	posing explanations	47	posing explanations
				190	interpretation of patterns from data	49	interpret observations and pose explanations
				260	interpretation of data from charts	52	proposing explanations from data
				300	interpret observations	63	interpreting observations and proposing explanations
				434	design scientific experiments	65	interpreting data and posing explanations
				434	interpret observation	76	interpret observations

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page	Volume Two Investigation Manual Page
					87 patterns in data 90 interpreting observations and proposing explanations 94 proposing explanations 97 interpret observations 107 analysis of errors 111 interpret observations and propose explanations 116 interpreting observations and proposing explanations 122 posing explanations

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
I.I.III.2 6	Scientific Thinking and Practice	Use mathematical ideas, tools, and techniques to understand scientific knowledge.	Use probabilities, patterns, and relationships to explain data and observations.	17	constructing a graphical model	3	constructing graphical model
				17	interpretation of patterns from graphs and tables	6	creating a graphical model from data
				18	making graphical model from data	37	making graph from data
				19	creating graphical model from data	47	using data tables
				20	analysis of trends from data	54	analyze trends from data
				21	constructing graphical model from data	54	constructing graphical model from data
				21	analyze trends from data	57	making sketches and diagrams
				21	interpretation of patterns in data	83	evaluate graphical model
				24	interpretation of patterns in data	87	analyze trends from data
				26	analyze trends in data	87	evaluate data from graph
				40	patterns from	87	patterns in data
				190	interpretation of patterns from data	107	create and analyze graphical model from data
				260	interpretation of data from charts	113	analyze trends from data
				300	graphs	113	analyze lever equilibrium data
						153	lab notebook
						154	making graphs

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
II.I.I.01 7	Content of Science	Know the forms and properties of matter and how matter interacts.	Explain how matter is transferred from one organism to another and between organisms and their environment (e.g., consumption, the water cycle, the carbon cycle, the nitrogen cycle).	75	describing how oxygen and nitrogen cycle through an ecosystem	
				85	how energy flows through an ecosystem	
				87	how energy flows in an ecosystem	
				88	describe how nutrients cycle through an ecosystem	
				88	explain how energy flows in an ecosystem	
				88	water cycle	
				88	describe water cycle and different types of water on Earth	
				90	how matter and energy flow in an ecosystem	
				91	explain how energy gets transferred in an ecosystem	
				126	how carbon cycles in an ecosystem	
				127	how carbon is cycled in an ecosystem	
				182	describe how nutrients—nitrogen—cycle through ecosystem	
				299	how energy flows in an ecosystem	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
				361	explain how matter and energy flow in ecosystems	
II.I.I.08 8	Content of Science	Know the forms and properties of matter and how matter interacts.	Describe various familiar physical and chemical changes that occur naturally (e.g., snow melting, photosynthesis, rusting, burning).	65	common phase changes in matter	
II.I.I.2 7	Content of Science	Know the forms and properties of matter and how matter interacts.	Know that the total amount of matter (mass) remains constant although its form, location, and properties may change (e.g., matter in the food web).	85	how energy flows through an ecosystem	
				87	how energy flows in an ecosystem	
				88	explain how energy flows in an ecosystem	
				90	how matter and energy flow in an ecosystem	
				91	explain how energy gets transferred in an ecosystem	
				299	how energy flows in an ecosystem	
				361	explain how matter and energy flow in ecosystems	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
II.I.I.3 6	Content of Science	Know the forms and properties of matter and how matter interacts.	Know that there are about 100 known elements that combine to produce compounds in living organisms and nonliving substances.	62 63 68 69 71 238 240	biomolecules recognize that compounds are composed of elements general understanding of chemical composition of living cells general understanding of chemical composition of cells general understanding of chemical composition of cells general understanding of chemical composition of cells basic understanding of chemical composition of living cells—proteins		
II.I.I.4 7	Content of Science	Know the forms and properties of matter and how matter interacts.	Describe how substances react chemically in characteristic ways to form new substances (compounds) with different properties (e.g., carbon and oxygen combine to form carbon dioxide in respiration).	64	explain chemical reactions in terms of atoms and molecules	19 22	cellular respiration cellular respiration

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
II.I.I.5 7	Content of Science	Know the forms and properties of matter and how matter interacts.	Know that chemical reactions are essential to life processes.	46	concept of photosynthesis—how plants use energy	19	cellular respiration
				64	understand how simple molecules are rearranged into new molecules in living things	20	photosynthesis
				66	understand main elements that make up biomolecules	22	cellular respiration
				67	understand biomolecules	46	concept of photosynthesis
				81	understand biomolecules	94	photosynthesis
				85	concept of photosynthesis and how plants get energy		
				89	concept of photosynthesis and how plants use energy		
				148	concept of photosynthesis		
				162	concept of photosynthesis—how plants use energy		
				167	concept of photosynthesis—how plants use energy		
				171	concept of photosynthesis		
				172	concept of photosynthesis		
				180	concept of photosynthesis—how bacteria use energy		
				322	concept of photosynthesis		

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
				333	concept of photosynthesis and how plants make energy	
				334	concept of photosynthesis	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
II.I.II.1 7	Content of Science	Explain the physical processes involved in the transfer, change, and conservation of energy.	Know how various forms of energy are transformed through organisms and ecosystems, including sunlight and photosynthesis, energy transform in living systems, effect of human use of energy and other activities on living systems (global warming), H2O quality	31	conversion of energy from one form to another	
				32	energy conversions	
				85	how energy flows through an ecosystem	
				87	human impact on natural cycles	
				87	how energy flows in an ecosystem	
				88	how humans affect resources	
				88	human impact on carbon cycle	
				88	explain how energy flows in an ecosystem	
				90	how matter and energy flow in an ecosystem	
				91	explain how energy gets transferred in an ecosystem	
				100	relationship between humans and hydrosphere	
				121	climate and human activity	
				129	relationships between climate and human activity	
				162	conversion of energy from one form to another	
				164	conversion of light into heat energy	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
				165	conversion of food into energy and heat	
				299	how energy flows in an ecosystem	
				361	explain how matter and energy flow in ecosystems	
II.I.III.17	Content of Science	Describe and explain forces that produce motion in objects.	Know that forces cause motion in living systems, incl. the principle of a lever and how it gives mech adv to a muscular/skeletal system to lift objects; forces in specific systems in the human body (how heart generates blood pressure…)	387	heart as pump	114 levers in human body

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
II.II.I.01 8	Content of Science	Explain the diverse structures and functions of living things and the complex relationships between living things and their environments.	Describe how matter moves through ecosystems (e.g., water cycle, carbon cycle).	75	describing how oxygen and nitrogen cycle through an ecosystem	
				85	how energy flows through an ecosystem	
				87	how energy flows in an ecosystem	
				88	describe how nutrients cycle through an ecosystem	
				88	explain how energy flows in an ecosystem	
				90	how matter and energy flow in an ecosystem	
				91	explain how energy gets transferred in an ecosystem	
				126	how carbon cycles in an ecosystem	
				127	how carbon is cycled in an ecosystem	
				182	describe how nutrients—nitrogen—cycle through ecosystem	
				299	how energy flows in an ecosystem	
				361	explain how matter and energy flow in ecosystems	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
II.II.I.02 8	Content of Science	Explain the diverse structures and functions of living things and the complex relationships between living things and their environments.	Describe how energy flows through ecosystems (e.g., sunlight, green plants, food for animals).	85	how energy flows through an ecosystem	37	concept of producer and consumer
				86	concept of producers and consumers and decomposers in ecosystems		
				87	how energy flows in an ecosystem		
				88	explain how energy flows in an ecosystem		
				89	concept of producer and consumer and decomposer		
				90	how matter and energy flow in an ecosystem		
				91	explain how energy gets transferred in an ecosystem		
				93	concepts of producer and consumer and decomposer		
				98	concept of producers and consumers and decomposers		
				102	producers and consumers		
				277	use the concepts of consumers in ecosystem		
				278	concept of consumer		
				299	producers and consumers		

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
				299	how energy flows in an ecosystem	
				361	explain how matter and energy flow in ecosystems	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
II.II.I.03 8	Content of Science	Explain the diverse structures and functions of living things and the complex relationships between living things and their environments.	Explain how a change in the flow of energy can impact an ecosystem (e.g., the amount of sunlight available for plant growth, global climate change).	85	how energy flows through an ecosystem	37	concept of producer and consumer
				86	concept of producers and consumers and decomposers in ecosystems		
				87	how energy flows in an ecosystem		
				87	human impact on natural cycles		
				88	explain how energy flows in an ecosystem		
				88	human impact on carbon cycle		
				88	how humans affect resources		
				89	concept of producer and consumer and decomposer		
				90	how matter and energy flow in an ecosystem		
				91	explain how energy gets transferred in an ecosystem		
				93	concepts of producer and consumer and decomposer		
				98	concept of producers and consumers and decomposers		

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
				100	relationship between humans and hydrosphere	
				102	producers and consumers	
				121	climate and human activity	
				129	relationships between climate and human activity	
				277	use the concepts of consumers in ecosystem	
				278	concept of consumer	
				295	how ecosystems respond to change	
				298	how ecosystem responds to changes	
				299	how energy flows in an ecosystem	
				299	producers and consumers	
				317	how ecosystem responds to changes	
				361	explain how matter and energy flow in ecosystems	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
II.II.I.1 6	Content of Science	Explain the diverse structures and functions of living things and the complex relationships between living things and their environments.	Understand how organisms interact with their physical environments to meet their needs (i.e., food, water, air) and how the water cycle is essential to most living systems.	72	identifying parts of an ecosystem and interactions of plants and animals	37	food webs
				84	components of ecosystems		
				86	common ecological relationships		
				88	describe water cycle and different types of water on Earth		
				88	water cycle		
				89	components of an ecosystem		
				90	ecological relationships—food chain		
				91	food web and food chain		
				92	food webs		
				93	food webs and food chains		
				94	common ecological relationships—symbiosis and predator-prey		
				102	food webs		
				102	interactions of plants and animals		
				103	food web		
				107	components of an ecosystem		

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
				109	components of an ecosystem	
				176	describe common ecological relationships among species—symbiosis	
				182	common ecological relationships—symbiosis	
				183	common ecological relationships	
				231	describe common ecological relationships	
				299	food chain	
				313	common ecological relationships—symbiosis	
				316	symbiosis	
				317	ecological relationships	
				344	ecological relationships	
				346	common ecological relationships	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
II.II.I.1 7	Content of Science	Explain the diverse structures and functions of living things and the complex relationships between living things and their environments.	Identify the living and nonliving parts of an ecosystem and describe the relationships among these components.	72	identifying parts of an ecosystem and interactions of plants and animals	37	food webs
				84	components of ecosystems		
				86	common ecological relationships		
				89	components of an ecosystem		
				90	ecological relationships—food chain		
				91	food web and food chain		
				92	food webs		
				93	food webs and food chains		
				94	common ecological relationships—symbiosis and predator-prey		
				102	food webs		
				102	interactions of plants and animals		
				103	food web		
				107	components of an ecosystem		
				109	components of an ecosystem		

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
				176	describe common ecological relationships among species—symbiosis		
				182	common ecological relationships—symbiosis		
				183	common ecological relationships		
				231	describe common ecological relationships		
				299	food chain		
				313	common ecological relationships—symbiosis		
				316	symbiosis		
				317	ecological relationships		
				344	ecological relationships		
				346	common ecological relationships		
II.II.I.2 6	Content of Science	Explain the diverse structures and functions of living things and the complex relationships between living things and their environments.	Describe how weather and geologic events (e.g., volcanoes, earthquakes) affect the function of living systems.	96	identify changes that can lead to extinction of a species	86	factors that could lead to extinction
				295	how ecosystems respond to change		
				298	causes for extinction		
				298	how ecosystem responds to changes		
				317	how ecosystem responds to changes		

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
II.II.I.2 7	Content of Science	Explain the diverse structures and functions of living things and the complex relationships between living things and their environments.	Explain biomes (i.e., aquatic, desert, rainforest, grasslands, tundra) and describe the New Mexico biome.	54	describe types of habitats where new species are being found	35	land biomes or ecosystems
				74	major types of land ecosystems		
				75	major freshwater ecosystems		
				76	major types of water ecosystems—oceans		
				84	describe major types of land biomes—rainforests		
				102	water ecosystems		
				103	water ecosystems		
				109	description of biomes		
				114	major land biomes		
				115	major land biomes		
				116	major land biomes—grasslands		
				117	major land ecosystems		
				118	major land biomes and description		
				119	describe the major land biomes		
				120	major types of land biomes		
				123	description of major land biomes—tiaga		

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
				125	descriptions of major land biomes—tundra		
				130	describe major land ecosystems		
II.II.I.3 6	Content of Science	Explain the diverse structures and functions of living things and the complex relationships between living things and their environments.	Describe how organisms have adapted to various environmental conditions.	27	adapation of animals to different environments	37	animals and adaptation
				74	adaptation of humans to changes in environment	71	adaptations of animals to different environment
				104	adaptations of animals to environment	90	adaptations of animals to environment
				115	adaptations of animals to specific environments		
				115	adaptation of animals to specific ecosystems		
				189	adaptations to extreme environments		
				276	adapatations of animals		
				277	adaptations of animals to environments		
				278	adaptation of animals to different environments		
				370	adaptations of animals to specific environments		
				371	adaptations of animals to certain environments		
				372	animal adaptations		
				377	adaptation of animals		
				438	adaptations		

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
II.II.I.3 7	Content of Science	Explain the diverse structures and functions of living things and the complex relationships between living things and their environments.	Explain how individuals of species that exist together interact with their environment to create an ecosystem (e.g., populations, communities, niches, habitats, food webs).	72	identifying parts of an ecosystem and interactions of plants and animals	12	abiotic and biotic factors with brine shrimp
				73	main factors that regulate populations in an ecosystem	28	testing pollutants
				73	temp, precip, sunlight, soil, oxygen	30	abiotic factors and brine shrimp
				74	abiotic factors	34	abiotic and biotic factors in your schoolyard
				74	factors that regulate populations in an ecosystem	37	food webs
				76	general factors that affect populations in the ocean		
				77	describe general factors regulating population in an ecosystem		
				84	components of ecosystems		
				84	living and non-living parts of ecosystem work together		
				86	common ecological relationships		
				89	components of an ecosystem		
				89	how matter and energy flow in an ecosystem		
				90	ecological relationships—food chain		

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
				91	food web and food chain	
				92	food webs	
				93	food webs and food chains	
				94	describe general factors that control population size	
				94	common ecological relationships—symbiosis and predator-prey	
				95	general factors that regulate populations	
				97	pollutants	
				99	water quality	
				102	food webs	
				102	interactions of plants and animals	
				102	relationships in ecosystems	
				103	food web	
				107	components of an ecosystem	
				109	components of an ecosystem	
				176	describe common ecological relationships among species—symbiosis	
				182	common ecological relationships—symbiosis	

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
				183	common ecological relationships	
				231	describe common ecological relationships	
				270	general factors regulating populations in an area	
				299	food chain	
				313	common ecological relationships—symbiosis	
				316	symbiosis	
				317	ecological relationships	
				317	factors that regulate populations	
				344	ecological relationships	
				346	common ecological relationships	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
II.II.I.4 7	Content of Science	Explain the diverse structures and functions of living things and the complex relationships between living things and their environments.	Explain the conditions and resources needed to sustain life in specific ecosystems.	72	identifying parts of an ecosystem and interactions of plants and animals	37	concept of producer and consumer
				84	components of ecosystems		
				86	concept of producers and consumers and decomposers in ecosystems		
				89	concept of producer and consumer and decomposer		
				89	components of an ecosystem		
				93	concepts of producer and consumer and decomposer		
				98	concept of producers and consumers and decomposers		
				102	producers and consumers		
				102	interactions of plants and animals		
				107	components of an ecosystem		
				109	components of an ecosystem		

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
				176	describe common ecological relationships among species—symbiosis	
				277	use the concepts of consumers in ecosystem	
				278	concept of consumer	
				299	producers and consumers	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
II.II.I.5 7	Content of Science	Explain the diverse structures and functions of living things and the complex relationships between living things and their environments.	Describe how the availability of resources and physical factors limit growth (quantity of light and water, temp. range, soil composition), and how water, carbon, nitrogen cycles contribute to availability of those resources to support living systems.	73	temp, precip, sunlight, soil, oxygen	12	abiotic and biotic factors with brine shrimp
				73	main factors that regulate populations in an ecosystem	28	testing pollutants
				74	abiotic factors	30	abiotic factors and brine shrimp
				74	factors that regulate populations in an ecosystem	34	abiotic and biotic factors in your schoolyard
				75	describing how oxygen and nitrogen cycle through an ecosystem		
				76	general factors that affect populations in the ocean		
				77	describe general factors regulating population in an ecosystem		
				84	living and non-living parts of ecosystem work together		
				85	how energy flows through an ecosystem		
				87	how energy flows in an ecosystem		
				88	explain how energy flows in an ecosystem		
				88	describe how nutrients cycle through an ecosystem		
				89	how matter and energy flow in an ecosystem		

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
				90	how matter and energy flow in an ecosystem	
				91	explain how energy gets transferred in an ecosystem	
				94	describe general factors that control population size	
				95	general factors that regulate populations	
				97	pollutants	
				99	water quality	
				126	how carbon cycles in an ecosystem	
				127	how carbon is cycled in an ecosystem	
				182	describe how nutrients—nitrogen—cycle through ecosystem	
				270	general factors regulating populations in an area	
				299	how energy flows in an ecosystem	
				317	factors that regulate populations	
				361	explain how matter and energy flow in ecosystems	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
II.II.I.6 7	Content of Science	Explain the diverse structures and functions of living things and the complex relationships between living things and their environments.	Understand how diverse species fill all niches in an ecosystem.	86	common ecological relationships	37	food webs
				90	ecological relationships—food chain		
				91	food web and food chain		
				92	food webs		
				93	food webs and food chains		
				94	common ecological relationships—symbiosis and predator-prey		
				102	relationships in ecosystems		
				102	food webs		
				103	food web		
				182	common ecological relationships—symbiosis		
				183	common ecological relationships		
				231	describe common ecological relationships		
				299	food chain		
				313	common ecological relationships—symbiosis		
				316	symbiosis		
				317	ecological relationships		
				344	ecological relationships		

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
				346	common ecological relationships	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
II.II.I.7 7	Content of Science	Explain the diverse structures and functions of living things and the complex relationships between living things and their environments.	Know how to classify organisms: domain, kingdom, phylum, class, order, family, genus, species.	48 50 51 52 54 55 59 112 116 124 127 257 265 266 273 276 291	classification of animals dichotomous keys and classifying animals dichotomous keys classify animals using dichotomous keys classifying new species classify new species classifying organisms adaptations of animals to different environments adaptations of animals to specific environments adaptations of animals to specific ecosystems adaptations of animals to certain ecosystems adapations of animals to certain ecosystems adaption of animals to certain environments adaption of animals for certain environments animals are adapted to certain environments classification of animals adaptations of animals to the environment	88 89 99	classification of animals classifying animals classifying animals

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
				306	classification of animals	
				307	classification of animals	
				310	classification of animals	
				352	classification of animals	
				358	classification of animals	
				359	classification of animals	
				360	classification of animals	
				361	classification of animals	
				362	classification of animals	
				363	classification of animals	
				364	classification of animals	
				365	classification of animals	
				366	classification of animals	
				369	classification of animals	
				370	classification of animals	
				372	classification of animals	
				373	classification of animals	
				373	animal systems	
				374	classification of animals	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page	Volume Two Investigation Manual Page
II.II.II.01 7	Content of Science	Understand how traits are passed from one generation to the next and how species evolve.	Know that reproduction is a characteristic of all living things and is essential to the continuation of a species.	198 asexual reproduction 199 asexual reproduction of cells 200 asexual reproduction 201 asexual reproduction 202 sexual reproduction 203 sexual reproduction—meiosis 204 sexual reproduction—meiosis 206 sexual reproduction 207 sexual and asexual reproduction 208 sexual reproduction 211 asexual vs. sexual reproduction 212 sexual vs. asexual reproduction 244 sexual reproduction 308 mammalian reproductive strategies 311 sexual vs. asexual reproduction 314 sexual and asexual reproduction 315 sexual and asexual reproduction 325 sexual reproduction	101 sexual vs. asexual reproduction

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
				326	sexual reproduction	
				327	sexual reproduction	
				337	sexual reproduction	
				338	sexual reproduction	
				339	sexual reproduction	
				340	sexual reproduction	
				343	sexual reproduction	
				344	types of reproduction	
				357	sexual reproduction vs. asexual reproduction	
				359	sexual and asexual reproduction	
				360	sexual and asexual reproduction	
				361	sexual and asexual reproduction	
				363	sexual and asexual reproduction	
				369	sexual and asexual reproduction	
				371	sexual and asexual reproduction	
				372	sexual vs. asexual reproduction	
				373	sexual reproduction	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
II.II.II.01 8	Content of Science	Understand how traits are passed from one generation to the next and how species evolve.	Understand that living organisms are made mostly of molecules consisting of a limited number of elements (e.g., carbon, hydrogen, nitrogen, oxygen).	62	biomolecules	
				66	understand main elements that make up biomolecules	
				67	understand biomolecules	
				68	general understanding of chemical composition of living cells	
				69	general understanding of chemical composition of cells	
				71	general understanding of chemical composition of cells	
				81	understand biomolecules	
				238	general understanding of chemical composition of cells	
				240	basic understanding of chemical composition of living cells—proteins	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
II.II.II.02 7	Content of Science	Understand how traits are passed from one generation to the next and how species evolve.	Identify the differences between sexual and asexual reproduction.	70	DNA make up and nucleic acids	53	mitosis and cell cycle
				71	DNA make up and nucleic acids	54	DNA forms
				138	how cells reproduce	56	mitosis and cell division
				139	concept of DNA	66	DNA structure
				140	concept of DNA	67	DNA
				144	DNA	68	DNA structure
				168	DNA	69	DNA
				185	concept of DNA	101	sexual vs. asexual reproduction
				196	describe how multi-celled organisms grow by how cells reproduce		
				196	DNA		
				197	concept of DNA		
				198	asexual reproduction		
				199	asexual reproduction of cells		
				199	mitosis		
				200	how multi-cellular organisms grow based on cell reproduction		
				200	asexual reproduction		
				201	how multi-celled organisms grow because of cell reproduction		
				201	DNA		

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
				201	asexual reproduction	
				202	DNA	
				202	sexual reproduction	
				203	sexual reproduction—meiosis	
				204	sexual reproduction—meiosis	
				204	DNA and chromosomes	
				206	sexual reproduction	
				207	sexual and asexual reproduction	
				208	sexual reproduction	
				211	DNA	
				211	asexual vs. sexual reproduction	
				212	sexual vs. asexual reproduction	
				221	DNA	
				225	DNA	
				237	DNA and its function	
				238	structure of DNA	
				239	DNA replication	
				239	mitosis	
				240	DNA make-up	
				241	DNA	
				242	DNA replication and errors	

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
				244	DNA structure and function	
				244	sexual reproduction	
				246	DNA recombination	
				247	DNA	
				248	DNA	
				249	DNA	
				250	DNA	
				252	DNA	
				259	DNA	
				262	DNA	
				265	DNA	
				270	catastrophic events and how they relate to species	
				308	mammalian reproductive strategies	
				311	sexual vs. asexual reproduction	
				314	sexual and asexual reproduction	
				315	sexual and asexual reproduction	
				325	sexual reproduction	
				326	sexual reproduction	
				327	sexual reproduction	
				337	sexual reproduction	

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
				338	sexual reproduction	
				339	sexual reproduction	
				340	sexual reproduction	
				343	sexual reproduction	
				344	types of reproduction	
				354	multi-celled organisms grow when cells divide	
				357	sexual reproduction vs. asexual reproduction	
				359	sexual and asexual reproduction	
				360	sexual and asexual reproduction	
				361	sexual and asexual reproduction	
				363	sexual and asexual reproduction	
				369	sexual and asexual reproduction	
				371	sexual and asexual reproduction	
				372	sexual vs. asexual reproduction	
				373	sexual reproduction	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
II.II.II.028	Content of Science	Understand how traits are passed from one generation to the next and how species evolve.	Identify DNA as the chemical compound involved in heredity in living organisms.	70	DNA make up and nucleic acids	54	DNA forms
				71	DNA make up and nucleic acids	66	DNA structure
				139	concept of DNA	67	DNA
				140	concept of DNA	68	DNA structure
				144	DNA	69	DNA
				168	DNA		
				185	concept of DNA		
				196	DNA		
				197	concept of DNA		
				201	DNA		
				202	DNA		
				204	DNA and chromosomes		
				211	DNA		
				221	DNA		
				225	DNA		
				237	DNA and its function		
				238	structure of DNA		
				239	DNA replication		
				240	DNA make-up		
				241	DNA		
				242	DNA replication and errors		
				244	DNA structure and function		

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
				246	DNA recombination	
				247	DNA	
				248	DNA	
				249	DNA	
				250	DNA	
				252	DNA	
				259	DNA	
				262	DNA	
				265	DNA	
				270	catastrophic events and how they relate to species	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
II.II.II.03 7	Content of Science	Understand how traits are passed from one generation to the next and how species evolve.	Know that, in sexual reproduction, an egg and sperm unite to begin the development of a new individual.	28	basic life processes	45	life processes of a cell
				29	life processes	48	life processes of cells—food
				32	life processes	49	life processes of cells
				41	life processes	53	mitosis and cell cycle
				138	how cells reproduce	56	mitosis and cell division
				138	cell processes—reproduction	101	sexual vs. asexual reproduction
				159	life processes of cells—active and passive transport		
				161	life processes of cells		
				165	life processes—respiration		
				166	life processes respiration and photosynthesis		
				167	life processes of cells		
				171	cell life processes		
				172	life functions of cells—diffusion and osmosis		
				174	life processes of cells—food		
				175	life processes of cells		
				176	life processes of cells		
				180	life processes of cells		
				181	life processes of cells—respiration		

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
				183	processes of cells—respiration	
				192	life processes of cells	
				196	basic cell processes—reproduction	
				196	describe how multi-celled organisms grow by how cells reproduce	
				198	asexual reproduction	
				198	basic life function of cells—reproduction and growth	
				199	basic cell functions—reproduction	
				199	asexual reproduction of cells	
				199	mitosis	
				200	how multi-cellular organisms grow based on cell reproduction	
				200	asexual reproduction	
				201	how multi-celled organisms grow because of cell reproduction	
				201	asexual reproduction	
				202	sexual reproduction	
				203	sexual reproduction—meiosis	

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
				204	sexual reproduction—meiosis	
				206	sexual reproduction	
				207	sexual and asexual reproduction	
				208	sexual reproduction	
				211	asexual vs. sexual reproduction	
				212	sexual vs. asexual reproduction	
				239	mitosis	
				244	sexual reproduction	
				308	mammalian reproductive strategies	
				311	sexual vs. asexual reproduction	
				314	sexual and asexual reproduction	
				315	sexual and asexual reproduction	
				325	sexual reproduction	
				326	sexual reproduction	
				327	sexual reproduction	
				337	sexual reproduction	
				338	sexual reproduction	
				339	sexual reproduction	
				340	sexual reproduction	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
				343	sexual reproduction	
				344	types of reproduction	
				354	multi-celled organisms grow when cells divide	
				357	sexual reproduction vs. asexual reproduction	
				359	sexual and asexual reproduction	
				360	sexual and asexual reproduction	
				361	sexual and asexual reproduction	
				363	sexual and asexual reproduction	
				369	sexual and asexual reproduction	
				371	sexual and asexual reproduction	
				372	sexual vs. asexual reproduction	
				373	sexual reproduction	
				386	life processes of cells	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
II.II.II.03 8	Content of Science	Understand how traits are passed from one generation to the next and how species evolve.	Describe the widespread role of carbon in the chemistry of living systems.	62	biomolecules	
				66	understand main elements that make up biomolecules	
				67	special properties of carbon make the great variety of biomolecules	
				67	understand biomolecules	
				68	general understanding of chemical composition of living cells	
				69	general understanding of chemical composition of cells	
				71	how special properties of carbon make the great variety of biomolecules	
				71	general understanding of chemical composition of cells	
				81	understand biomolecules	
				238	general understanding of chemical composition of cells	
				240	basic understanding of chemical composition of living cells—proteins	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
II.II.II.04 7	Content of Science	Understand how traits are passed from one generation to the next and how species evolve.	Know that organisms that sexually reproduce fertile offspring are members of the same species.	44 47 55 306 308	concept of species concept of species and ties to taxonomy concept of species concept of species concept of species	13 27 27 31	species ecological relationships ecological relationships common ecological relationships

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
II.II.II.057	Content of Science	Understand how traits are passed from one generation to the next and how species evolve	Understand that some characteristics are passed from parent to offspring as inherited traits and others are acquired from interactions with the environment.	150	genes and how they interact with immune system	59	genes and inherited traits
				188	genes and genetic make-up	61	dominant vs. recessive traits
				208	concept of genes and heredity	62	genes and inherited traits
				209	traits that are inherited vs. those that are from the interaction with the environment	63	dominance vs. recessive
				209	environmental influence on genes	66	genes and inherited traits
				214	general idea of traits	71	evolution genetics and environmental factors
				216	inherited traits	72	inherited traits
				218	concept of genes that are dominant and recessive	73	evolution of traits and environmental factors
				219	dominant vs. recessive and how genes affect outward appearance	73	inherited traits
				220	dominant vs. recessive genes	74	inherited traits
				221	genes and inherited traits	76	inherited traits
				222	genes and how they are passed on		
				225	dominant vs. recessive traits		
				227	general patterns of inheritance		

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
				228	distinguish between inherited traits and those influenced by environment	
				228	patterns of genetic inheritance	
				229	genes and inherited traits—modes of inheritance	
				230	genes and inherited traits	
				233	traits and genes	
				234	traits and genes	
				235	genes and inherited traits	
				239	genes and heredity	
				240	concept of genes and how they relate to DNA and heredity	
				242	distinguish between inherited and environmentally influenced traits	
				243	genes and their link to heredity	
				250	human heredity	
				251	genes and inherited traits	
				258	evolution based on genetics	
				262	inherited traits and ones that are acquired	
				268	inherited traits	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
				269	genetic inheritance	
				269	evolution and genetic variation	
				270	evolution and environmental factors	
				271	genetic variation and environmental factors	
				271	genes and inherited traits	
				272	genes and inherited traits	
				272	genetic variation	
				273	genes and inherited traits	
				273	genetic variation	
				274	genetic variation	
				275	genetic variation	
				275	genes and inherited traits	
				311	genetic variation	
				311	genes and traits/dominant and recessive	
				314	genetic variation	
				315	genetic variation	
				337	genetic variation and evolution	
				438	genes and inherited traits	
				439	genes and inherited traits	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
II.II.II.06 7	Content of Science	Understand how traits are passed from one generation to the next and how species evolve	Know that hereditary information is contained in genes that are located in chromosomes, including: • determination of traits by genes • traits determined by one or many genes • more than one trait sometimes influenced by a single gene.	209	environmental influence on genes	71	evolution genetics and environmental factors
				209	traits that are inherited vs. those that are from the interaction with the environment	73	evolution of traits and environmental factors
				217	make predictions about possible outcomes of genetic combinations		
				219	make predictions of outcomes of genetic crosses		
				220	predicting outcomes of genetic crosses		
				223	making predictions about genetic combinations—punnett squares		
				224	making predictions about genetic combinations		
				225	making predictions about genetic crosses		
				226	making predictions about possible outcomes of genetic crosses		
				228	distinguish between inherited traits and those influenced by environment		
				229	make predictions of possible outcomes of genetic crosses		

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
				232	making predictions for genetic crosses	
				234	predicting possible outcomes from genetic crosses	
				235	making predictions of possible outcomes of genetic crosses	
				236	making predictions of possible outcomes of genetic crosses	
				242	distinguish between inherited and environmentally influenced traits	
				258	evolution based on genetics	
				262	inherited traits and ones that are acquired	
				269	evolution and genetic variation	
				270	evolution and environmental factors	
				271	genetic variation and environmental factors	
				272	genetic variation	
				273	genetic variation	
				274	genetic variation	
				275	genetic variation	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
				311	genetic variation	
				314	genetic variation	
				315	genetic variation	
				337	genetic variation and evolution	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
II.II.II.07 7	Content of Science	Understand how traits are passed from one generation to the next and how species evolve	Describe how typical traits may change from generation to generation due to environmental influences (e.g., color of skin, shape of eyes, camouflage, shape of beak).	140	fossils and how they relate to evolution of species	71	evolution genetics and environmental factors
				209	environmental influence on genes	73	evolution of traits and environmental factors
				209	traits that are inherited vs. those that are from the interaction with the environment	74	natural selection
				217	make predictions about possible outcomes of genetic combinations	81	evolution
				219	make predictions of outcomes of genetic crosses		
				220	predicting outcomes of genetic crosses		
				223	making predictions about genetic combinations—punnett squares		
				224	making predictions about genetic combinations		
				225	making predictions about genetic crosses		
				226	making predictions about possible outcomes of genetic crosses		
				228	distinguish between inherited traits and those influenced by environment		

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
				229	make predictions of possible outcomes of genetic crosses	
				231	natural selection	
				232	making predictions for genetic crosses	
				234	predicting possible outcomes from genetic crosses	
				235	making predictions of possible outcomes of genetic crosses	
				236	making predictions of possible outcomes of genetic crosses	
				242	distinguish between inherited and environmentally influenced traits	
				257	concept of natural selection	
				258	evolution based on genetics	
				262	inherited traits and ones that are acquired	
				266	natural selection	
				267	natural selection	
				268	natural selection	
				269	evolution and genetic variation	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
				269	natural selection	
				270	natural selection	
				270	evolution and environmental factors	
				271	natural selection	
				271	genetic variation and environmental factors	
				272	natural selection	
				272	genetic variation	
				273	genetic variation	
				273	natural selection	
				274	genetic variation	
				275	natural selection	
				275	genetic variation	
				291	natural selection	
				311	natural selection	
				311	genetic variation	
				314	genetic variation	
				315	genetic variation	
				337	genetic variation and evolution	
				363	fossils	
				365	fossils	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
II.II.II.08 7	Content of Science	Understand how traits are passed from one generation to the next and how species evolve	Explain that diversity within a species is developed by gradual changes over many generations	47	theory of evolution	74	natural selection
				140	fossils and how they relate to evolution of species	74	evolution
						81	evolution
				181	evolution based on fossils		
				183	evolution of cells		
				231	natural selection		
				243	how new traits may become established in a population		
				257	concept of natural selection		
				258	theory of evolution and evidence for it		
				259	evolution based on cell evidence and fossils		
				260	theory of evolution		
				261	evolution evidence based on anatomy—analogous structures		
				261	evidence for theory of evolution		
				262	evidence for evolution		
				263	evidence for evolution—fossils		
				264	evidence for evolution		
				265	evidence for evolution		
				266	evidence for evolution		

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
				266	natural selection	
				267	natural selection	
				268	natural selection	
				269	natural selection	
				270	natural selection	
				271	natural selection	
				271	explain how new traits might get established in a population	
				272	natural selection	
				273	natural selection	
				275	natural selection	
				291	natural selection	
				293	theory of evolution	
				307	theory of evolution	
				311	natural selection	
				318	evolution	
				324	theory of evolution	
				329	evolution	
				353	theory of evolution	
				356	evolution	
				362	theory of evolution	
				363	fossils	
				365	fossils	
				371	theory of evolution	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page	Volume Two Investigation Manual Page
				373 evolution 376 evolution 377 evolution	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
II.II.II.097	Content of Science	Understand how traits are passed from one generation to the next and how species evolve	Know that organisms can acquire unique characteristics through naturally occurring genetic variations.	47	theory of evolution	59	genes and inherited traits
				140	fossils and how they relate to evolution of species	61	dominant vs. recessive traits
				150	genes and how they interact with immune system	62	genes and inherited traits
						63	dominance vs. recessive
						66	genes and inherited traits
				181	evolution based on fossils	72	inherited traits
				183	evolution of cells	73	inherited traits
				188	genes and genetic make-up	74	natural selection
						74	evolution
				208	concept of genes and heredity	74	inherited traits
				214	general idea of traits	76	inherited traits
				216	inherited traits	81	evolution
				218	concept of genes that are dominant and recessive		
				219	dominant vs. recessive and how genes affect outward appearance		
				220	dominant vs. recessive genes		
				221	genes and inherited traits		
				222	genes and how they are passed on		
				225	dominant vs. recessive traits		
				227	general patterns of inheritance		

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
				228	patterns of genetic inheritance	
				229	genes and inherited traits—modes of inheritance	
				230	genes and inherited traits	
				231	natural selection	
				233	traits and genes	
				234	traits and genes	
				235	genes and inherited traits	
				239	genes and heredity	
				240	concept of genes and how they relate to DNA and heredity	
				243	genes and their link to heredity	
				243	how new traits may become established in a population	
				250	human heredity	
				251	genes and inherited traits	
				257	concept of natural selection	
				258	theory of evolution and evidence for it	
				259	evolution based on cell evidence and fossils	
				260	theory of evolution	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
				261	evidence for theory of evolution	
				261	evolution evidence based on anatomy—analogous structures	
				262	evidence for evolution	
				263	evidence for evolution—fossils	
				264	evidence for evolution	
				265	evidence for evolution	
				266	evidence for evolution	
				266	natural selection	
				267	natural selection	
				268	natural selection	
				268	inherited traits	
				269	natural selection	
				269	genetic inheritance	
				270	natural selection	
				271	natural selection	
				271	explain how new traits might get established in a population	
				271	genes and inherited traits	
				272	genes and inherited traits	
				272	natural selection	
				273	genes and inherited traits	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
				273	natural selection	
				275	genes and inherited traits	
				275	natural selection	
				291	natural selection	
				293	theory of evolution	
				307	theory of evolution	
				311	genes and traits/dominant and recessive	
				311	natural selection	
				318	evolution	
				324	theory of evolution	
				329	evolution	
				353	theory of evolution	
				356	evolution	
				362	theory of evolution	
				363	fossils	
				365	fossils	
				371	theory of evolution	
				373	evolution	
				376	evolution	
				377	evolution	
				438	genes and inherited traits	
				439	genes and inherited traits	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
II.II.II.1 6	Content of Science	Understand how traits are passed from one generation to the next and how species evolve.	Understand that the fossil record provides data for how living organisms have evolved.	47	theory of evolution	74	evolution
				128	relationship between climate and human activity	84	how fossils tell about Earth's history
				181	evolution based on fossils	85	using fossils to learn about Earth's history
				183	evolution of cells	86	fossil record
				258	theory of evolution and evidence for it		
				259	evolution based on cell evidence and fossils		
				259	how fossil record has been used to study history of Earth		
				260	theory of evolution		
				261	evidence for theory of evolution		
				261	evolution evidence based on anatomy—analogous structures		
				262	evidence for evolution		
				263	evidence for evolution—fossils		
				264	evidence for evolution		
				265	evidence for evolution		
				266	evidence for evolution		
				285	how fossil record is used to understand Earth's history		

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
				286	fossil record used for understanding Earth's history	
				287	how fossils help give clues about Earth's history	
				288	how fossils are used to understand Earth's history	
				290	how fossils are used to understand Earths' history	
				291	how fossils are used to understand Earth's history	
				291	slow geologic processes	
				292	how fossils help understand Earth's history	
				293	theory of evolution	
				293	how fossils help understand history of Earth	
				294	how fossils help to understand the history of life on Earth	
				297	fossil record is used to understand history of Earth	
				307	theory of evolution	
				318	evolution	
				324	theory of evolution	
				329	evolution	
				353	theory of evolution	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page	Volume Two Investigation Manual Page
				356 evolution 362 theory of evolution 371 theory of evolution 373 evolution 376 evolution 377 evolution	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
II.II.II.10 7	Content of Science	Understand how traits are passed from one generation to the next and how species evolve	Identify adaptations that favor the survival of organisms in their environments (e.g., camouflage, shape of beak).	27	adapation of animals to different environments	37	animals and adaptation
				74	adaptation of humans to changes in environment	71	adaptations of animals to different environment
				104	adaptations of animals to environment	74	natural selection
				115	adaptations of animals to specific environments	81	evolution
				115	adaptation of animals to specific ecosystems	90	adaptations of animals to environment
				140	fossils and how they relate to evolution of species		
				189	adaptations to extreme environments		
				231	natural selection		
				257	concept of natural selection		
				266	natural selection		
				267	natural selection		
				268	natural selection		
				269	natural selection		
				270	natural selection		
				271	natural selection		
				272	natural selection		
				273	natural selection		
				275	natural selection		

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
				276	adapatations of animals	
				277	adaptations of animals to environments	
				278	adaptation of animals to different environments	
				291	natural selection	
				311	natural selection	
				363	fossils	
				365	fossils	
				370	adaptations of animals to specific environments	
				371	adaptations of animals to certain environments	
				372	animal adaptations	
				377	adaptation of animals	
				438	adaptations	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
II.II.II.11 7	Content of Science	Understand how traits are passed from one generation to the next and how species evolve	Understand the process of natural selection.	140	fossils and how they relate to evolution of species	74	natural selection
						81	evolution
				231	natural selection		
				257	concept of natural selection		
				266	natural selection		
				267	natural selection		
				268	natural selection		
				269	natural selection		
				270	natural selection		
				271	natural selection		
				272	natural selection		
				273	natural selection		
				275	natural selection		
				291	natural selection		
				311	natural selection		
				363	fossils		
				365	fossils		

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
II.II.II.12 7	Content of Science	Understand how traits are passed from one generation to the next and how species evolve	Explain how species adapt to changes in the environment or become extinct and that extinction of species is common in the history of living things.	140	fossils and how they relate to evolution of species	74	natural selection
				231	natural selection	81	evolution
				257	concept of natural selection		
				266	natural selection		
				267	catastrophic events that shape Earth		
				267	natural selection		
				268	natural selection		
				269	natural selection		
				270	catastrophic events in geologic history		
				270	natural selection		
				271	natural selection		
				272	natural selection		
				273	natural selection		
				273	catastrophic events change Earth's surface		
				275	natural selection		
				289	general history of Earth		
				291	natural selection		
				293	catastrophic Earth-shaping events		
				294	Earth/life history		

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
				295	natural events lead to extinction	
				297	history of Earth and rise of life and catastrophic events	
				298	catastrophic events in Earth's history	
				311	natural selection	
				363	fossils	
				365	fossils	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
II.II.II.13 7	Content of Science	Understand how traits are passed from one generation to the next and how species evolve	Know that the fossil record documents the appearance, diversification, and extinction of many life forms.	47	theory of evolution	74	evolution
				128	relationship between climate and human activity	84	how fossils tell about Earth's history
				181	evolution based on fossils	85	using fossils to learn about Earth's history
				183	evolution of cells	86	fossil record
				258	theory of evolution and evidence for it		
				259	evolution based on cell evidence and fossils		
				259	how fossil record has been used to study history of Earth		
				260	theory of evolution		
				261	evidence for theory of evolution		
				261	evolution evidence based on anatomy—analogous structures		
				262	evidence for evolution		
				263	evidence for evolution—fossils		
				264	evidence for evolution		
				265	evidence for evolution		
				266	evidence for evolution		
				285	how fossil record is used to understand Earth's history		

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
				286	fossil record used for understanding Earth's history	
				287	how fossils help give clues about Earth's history	
				288	how fossils are used to understand Earth's history	
				290	how fossils are used to understand Earths' history	
				291	how fossils are used to understand Earth's history	
				291	slow geologic processes	
				292	how fossils help understand Earth's history	
				293	theory of evolution	
				293	how fossils help understand history of Earth	
				294	how fossils help to understand the history of life on Earth	
				295	natural events lead to extinction	
				297	fossil record is used to understand history of Earth	
				307	theory of evolution	
				318	evolution	
				324	theory of evolution	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page	Volume Two Investigation Manual Page
				329 evolution 353 theory of evolution 356 evolution 362 theory of evolution 371 theory of evolution 373 evolution 376 evolution 377 evolution	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
II.II.II.2 6	Content of Science	Understand how traits are passed from one generation to the next and how species evolve.	Describe how species have responded to changing environmental conditions over time (e.g., extinction, adaptation).	27	adapation of animals to different environments	37	animals and adaptation
				74	adaptation of humans to changes in environment	71	adaptations of animals to different environment
				104	adaptations of animals to environment	74	natural selection
				115	adaptation of animals to specific ecosystems	81	evolution
				115	adaptations of animals to specific environments	90	adaptations of animals to environment
				140	fossils and how they relate to evolution of species		
				189	adaptations to extreme environments		
				231	natural selection		
				257	concept of natural selection		
				266	natural selection		
				267	natural selection		
				267	catastrophic events that shape Earth		
				268	natural selection		
				269	natural selection		
				270	catastrophic events in geologic history		
				270	natural selection		
				271	natural selection		

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
				272	natural selection	
				273	natural selection	
				273	catastrophic events change Earth's surface	
				275	natural selection	
				276	adapatations of animals	
				277	adaptations of animals to environments	
				278	adaptation of animals to different environments	
				289	general history of Earth	
				291	natural selection	
				293	catastrophic Earth-shaping events	
				294	Earth/life history	
				295	natural events lead to extinction	
				297	history of Earth and rise of life and catastrophic events	
				298	catastrophic events in Earth's history	
				311	natural selection	
				363	fossils	
				365	fossils	
				370	adaptations of animals to specific environments	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page	Volume Two Investigation Manual Page
				371 adaptations of animals to certain environments 372 animal adaptations 377 adaptation of animals 438 adaptations	
II.II.III.01 8	Content of Science	Understand the structure of organisms and the function of cells in living systems.	Describe how cells use chemical energy obtained from food to conduct cellular functions (i.e., respiration).		19 cellular respiration 22 cellular respiration

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
II.II.III.02 8	Content of Science	Understand the structure of organisms and the function of cells in living systems.	Explain that photosynthesis in green plants captures the energy from the sun and stores it chemically.	46	concept of photosynthesis—how plants use energy	20	photosynthesis
				85	concept of photosynthesis and how plants get energy	46	concept of photosynthesis
				89	concept of photosynthesis and how plants use energy	94	photosynthesis
				148	concept of photosynthesis		
				162	concept of photosynthesis—how plants use energy		
				167	concept of photosynthesis—how plants use energy		
				171	concept of photosynthesis		
				172	concept of photosynthesis		
				180	concept of photosynthesis—how bacteria use energy		
				322	concept of photosynthesis		
				333	concept of photosynthesis and how plants make energy		
				334	concept of photosynthesis		

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
II.II.III.03 8	Content of Science	Understand the structure of organisms and the function of cells in living systems.	Describe how chemical substances can influence cellular activity (e.g., pH).	28	basic life processes	45	life processes of a cell
				29	life processes	48	life processes of cells—food
				32	life processes	49	life processes of cells
				41	life processes		
				138	cell processes—reproduction		
				159	life processes of cells—active and passive transport		
				161	life processes of cells		
				165	life processes—respiration		
				166	life processes respiration and photosynthesis		
				167	life processes of cells		
				171	cell life processes		
				172	life functions of cells—diffusion and osmosis		
				174	life processes of cells—food		
				175	life processes of cells		
				176	life processes of cells		
				180	life processes of cells		
				181	life processes of cells—respiration		
				183	processes of cells—respiration		

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
				192	life processes of cells	
				196	basic cell processes—reproduction	
				198	basic life function of cells—reproduction and growth	
				199	basic cell functions—reproduction	
				386	life processes of cells	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
II.II.III.1 7	Content of Science	Understand the structure of organisms and the function of cells in living systems.	Understand that organisms are composed of cells and identify unicellular and multicellular organisms.	29	concept of cells	38	plant tissues and organs
				33	difference between single and multicellular organisms	38	concept of cells
				33	concept of cells		
				37	concept of a cell		
				44	multi vs. single celled		
				135	concept of cells		
				136	basic concept of cells		
				137	difference between multi and single cellular organism		
				137	concept of cells—discovery of		
				139	differences between multi and single celled organisms		
				141	concept of cells		
				147	different kinds of cells and their functions		
				155	concept of cells		
				173	differences between a single-celled organisms and multi-celled organisms		
				174	difference between multi-celled organisms and single-celled organisms		
				189	single celled organism		

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
				259	all organisms are made of cells	
				311	concept of cells	
				322	concept of cells	
				353	multi-celled organisms made up of cells	
				358	complex organisms are made of cells	
				368	multi-cellular organisms are made up of cells	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
II.II.III.2 7	Content of Science	Understand the structure of organisms and the function of cells in living systems.	Explain how organs are composed of tissues of different types of cells (e.g., skin, bone, muscle, heart, intestines).	35	idea of organ systems and organization cells to organisms	40	basic cell types in humans
				36	levels of organization	102	idea of organ systems
				141	basic cell types in humans		
				145	cell differentiation (liver and muscle cells are different than others)		
				146	cell differentiation—why cells have more or less Golgi bodies		
				150	animal systems—immune system		
				159	differentiation of cells		
				168	cell differentiation		
				169	cell differentiation		
				187	concept of diseases from viral infections		
				206	cell differentiation		
				230	different cell types in human body		
				354	basic cell types—neurons and muscle cells		
				356	plant and animal systems		
				357	plant and animal systems		
				358	plant and animal systems		
				361	plant and animal systems		
				362	plant and animal systems		

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
				363	animal systems	
				366	animal systems	
				367	animal systems	
				368	cell types in the human body	
				374	animal systems	
				375	plant and animal systems	
				389	types of cells in human body	
				405	plant and animal systems	
				410	basic cell types—blood cells	
				430	basic cell types of human body	
				432	basic cell types	
				434	basic cell types	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
II.II.III.3 7	Content of Science	Understand the structure of organisms and the function of cells in living systems.	Understand that many basic functions of organisms are carried out in cells, inc: growth + division to produce more cells (mitosis); specialized functions of cells (reproduction, nerve signal transmission, digestion, excretion, movement, oxygen transport.	28	basic life processes	39	cell structure and function
				29	life processes	40	differences in plant and animal cells
				32	life processes	41	structure of a cell
				34	different kinds and functions of cells	41	plant vs. animal cells
				41	life processes	42	structure of a cell
				136	different function of cells	42	plant vs. animal cells
				137	difference between plant and animal cells	45	life processes of a cell
				138	how cells reproduce	48	life processes of cells—food
				138	cell processes—reproduction	49	life processes of cells
				139	cell structures and functions of structures	53	mitosis and cell cycle
				139	understand specialized plant and animal cells	54	differences in plant and animal cells
				141	specialized cells	56	mitosis and cell division
				142	structure and function of cell parts		
				143	structure and function of cell organelles		
				144	cell structures and what they do		
				145	cell structures and what they do		
				146	cell structures and their functions		

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
				153	structure and function of a cell	
				154	differences in plant and animal cells	
				156	structure of the cell membrane	
				159	life processes of cells—active and passive transport	
				159	structure of a cell—membrane	
				161	life processes of cells	
				165	life processes—respiration	
				166	life processes respiration and photosynthesis	
				167	life processes of cells	
				169	understand functions of specialized animal cells	
				171	structures and function of cell parts	
				171	cell life processes	
				172	life functions of cells—diffusion and osmosis	
				174	life processes of cells—food	
				175	life processes of cells	
				175	structure of protozoan cells and their functions	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
				175	understand functions of specialized cells	
				176	life processes of cells	
				178	structure of a cell and function of organelles	
				180	life processes of cells	
				181	life processes of cells—respiration	
				183	processes of cells—respiration	
				185	structures of cells and their functions—membrane	
				192	life processes of cells	
				196	basic cell processes—reproduction	
				196	describe how multi-celled organisms grow by how cells reproduce	
				198	basic life function of cells—reproduction and growth	
				199	basic cell functions—reproduction	
				199	mitosis	
				200	how multi-cellular organisms grow based on cell reproduction	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
				201	how multi-celled organisms grow because of cell reproduction	
				206	specialized animal cells	
				239	mitosis	
				277	different kind of cells—plants and animals	
				277	different kinds and functions of cells	
				313	different kinds of cells	
				353	structure of cells	
				354	multi-celled organisms grow when cells divide	
				368	understand specialized functions of animal cells	
				386	life processes of cells	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
II.II.III.4 7	Content of Science	Understand the structure of organisms and the function of cells in living systems.	Compare the structure and processes of plant cells and animal cells.	34	different kinds and functions of cells	40	differences in plant and animal cells
				136	different function of cells	41	plant vs. animal cells
				137	difference between plant and animal cells	42	plant vs. animal cells
				139	understand specialized plant and animal cells	54	differences in plant and animal cells
				141	specialized cells		
				154	differences in plant and animal cells		
				169	understand functions of specialized animal cells		
				175	understand functions of specialized cells		
				206	specialized animal cells		
				277	different kind of cells—plants and animals		
				277	different kinds and functions of cells		
				313	different kinds of cells		
				368	understand specialized functions of animal cells		

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
II.II.III.5 7	Content of Science	Understand the structure of organisms and the function of cells in living systems.	Describe how some cells respond to stimuli (e.g., light, heat, pressure, gravity).	36	organism's response to external stimuli	
				174	organisms (protozoans) response to dry environment	
				335	identify responses to external stimuli	
				336	identify organism's response to external stimuli	
				345	how organisms respond to stimuli	
				354	how organisms respond to external stimuli	
				357	identify an organisms to external stimuli	
				363	identify an organism's responses to external stimuli	
				364	identify an organism's external response to stimuli	
				369	an organism's response to external environments	
				370	how organisms respond to environment	
				394	how organisms respond to environment	
				430	organism's response to external stimuli	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
				431	organism's response to external stimuli	
				432	how organisms respond to external stimuli	
				433	organism's response to external stimuli	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
II.II.III.6 7	Content of Science	Understand the structure of organisms and the function of cells in living systems.	Describe how factors (radiation, UV light, drugs) can damage cellular structure or function.	36	organism's response to external stimuli	
				174	organisms (protozoans) response to dry environment	
				335	identify responses to external stimuli	
				336	identify organism's response to external stimuli	
				345	how organisms respond to stimuli	
				354	how organisms respond to external stimuli	
				357	identify an organisms to external stimuli	
				363	identify an organism's responses to external stimuli	
				364	identify an organism's external response to stimuli	
				369	an organism's response to external environments	
				370	how organisms respond to environment	
				394	how organisms respond to environment	
				396	organism's response to internal stimuli	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
				430	organism's response to external stimuli	
				431	organism's response to external stimuli	
				432	how organisms respond to external stimuli	
				433	organism's response to internal stimuli	
				433	organism's response to external stimuli	
II.III.I.2 7	Content of Science	Describe how the concepts of energy, matter, and force can be used to explain the observed behavior of the solar system, the universe, and their structures.	Explain how energy from the sun supports life on Earth.	38	compare Earth to Mars with respect to supporting life	
II.III.II.2 7	Content of Science	Describe the structure of Earth and its atmosphere and explain how energy, matter, and forces shape Earth's systems.	Understand how living organisms have played many roles in changes of Earth's systems through time (e.g., atmospheric composition, creation of soil, impact on Earth's surface).	38	compare Earth to Mars with respect to supporting life	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
II.III.II.3 7	Content of Science	Describe the structure of Earth and its atmosphere and explain how energy, matter, and forces shape Earth's systems.	Know that changes to ecosystems sometimes decrease the capacity of the environment to support some life forms and are difficult and/or costly to remediate.	77	effects of human activity on an ecosystem	86	factors that could lead to extinction
				87	human impact on natural cycles		
				88	human impact on carbon cycle		
				88	how humans affect resources		
				96	identify changes that can lead to extinction of a species		
				97	effect of human activity on ecosystems		
				98	explain effects of human activities on ecosystems		
				121	effects of human activities on specific ecosystems		
				128	effects of human activity on specific ecosystem		
				274	how human activity has contributed to extinctions		
				275	how human activities have contributed to extinction of populations		
				295	how human activities can contribute to extinctions		
				298	causes for extinction		

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page	
III.I.I.01 8	Science and Society	Explain how scientific discoveries and inventions have changed individuals and societies	Analyze the interrelationship between science and technology (e.g., germ theory, vaccines).	16 23 23	historical context and perspectives on science science and technology combine to meet needs of society recognize connection between science and technology	39	historical and cultural context of scientific discoveries
III.I.I.03 8	Science and Society	Explain how scientific discoveries and inventions have changed individuals and societies	Describe how technological revolutions have significantly influenced societies (e.g., energy production, warfare, space exploration).	16 246	historical context and perspectives on science evaluate the impact of scientific research on society	39	historical and cultural context of scientific discoveries

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
III.I.I.1 7	Science and Society	Explain how scientific discoveries and inventions have changed individuals and societies.	Analyze the contributions of science to health as they relate to personal decisions about smoking, drugs, alcohol, and sexual activity.	103	science can affect quality of life	
				151	how science impacts people's lives to help make them better—transplant matching	
				187	how technology is used in prevention of disease: vaccines	
				187	applications of science can make the lives of people better	
				193	applications of science can make life better	
				209	how scientific discoveries make people's lives better	
				236	using Internet for research	
				243	how technology is used in diagnosis and treatment of diseases	
				251	describe how technology can be used for diagnosis of and prevention of diseases	
				401	technology used to treat	
				451	how technology is used in the treatment of disease	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
III.I.I.1 6	Science and Society	Explain how scientific discoveries and inventions have changed individuals and societies.	Examine the role of scientific knowledge in decisions (e.g., space exploration, what to eat, preventive medicine and medical treatment).	103	science can affect quality of life	
				151	how science impacts people's lives to help make them better—transplant matching	
				187	applications of science can make the lives of people better	
				193	applications of science can make life better	
				209	how scientific discoveries make people's lives better	
				236	using Internet for research	
				246	evaluate the impact of scientific research on society	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
III.I.I.2 7	Science and Society	Explain how scientific discoveries and inventions have changed individuals and societies.	Analyze how technologies have been responsible for advances in medicine (e.g., vaccines, antibiotics, microscopes, DNA technologies).	187	how technology is used in prevention of disease: vaccines	
				243	how technology is used in diagnosis and treatment of diseases	
				251	describe how technology can be used for diagnosis of and prevention of diseases	
				401	technology used to treat	
				451	how technology is used in the treatment of disease	

Correlation to New Mexico Science Content Standards

CPO Science Life Science (Middle School)

Standard #: Grade	Strand	Benchmark	Performance Standard	Volume One Student Text Page		Volume Two Investigation Manual Page
III.I.I.3 7	Science and Society	Explain how scientific discoveries and inventions have changed individuals and societies.	Describe how scientific information can help individuals and communities respond to health emergencies (e.g., CPR, epidemics, HIV,	23	science and technology combine to meet needs of society	
				28	basic concept of disease due to infection by virus	
				178	basic concept of disease due to infection by bacteria	
				182	concept of infection and disease due to bacteria	
				184	concept of disease related to infection by viruses	
				185	concept of diseases due to infection by viruses	
				186	concept of diseases from infection by virus	
				188	basic concept of germ theory	
				189	bacteria	
				394	idea of diseases that come from invasion of bacteria	