

Module	Lesson Title	SE
0 Scientific Process Skills	Safety in the Lab Gateway Resource: Safety in the Lab	(1)(A)
	Material Safety Data Sheets Gateway Resource: Material Safety Data Sheets	(1)(A)
	Conservation of Resources Gateway Resource: Conservation of Resources	(1)(B)
	Types of Science Investigations Gateway Resource: Types of Science Investigations	(2)(E)
	Question and Purpose Gateway Resource: Question and Purpose	(2)(E)
	Experimental Design Gateway Resource: Experimental Design	(2)(E)
	Hypothesis Gateway Resource: Hypothesis	(2)(B)
	Theories Gateway Resource: Theories	(2)(C) (2)(D)
	Data Organization Gateway Resource: Data Organization	(2)(F)
	Data Analysis Gateway Resource: Data Analysis	(2)(G)
	Conclusions and Scientific Explanations Gateway Resource: Conclusions and Scientific Explanations	(2)(H) (3)(A)
	Equipment for Biology Gateway Resource: Equipment for Biology	(2)(F)
	Measurement Gateway Resource: Measurement	(2)(F)
	Dimensional Analysis Gateway Resource: Dimensional Analysis	(2)(F) (2)(G)
	Scientific Notation Gateway Resource: Scientific Notation	(2)(F) (2)(G)
	Significant Figures Gateway Resource: Significant Figures	(2)(F) (2)(G)
	Scientific Models Gateway Resource: Scientific Models	(3)(E)
Scientific Reasoning Gateway Resource: Scientific Reasoning	(3)(B) (3)(C)	
1	What is Life?	(9)(D)

Cell Structure and Function	Biomolecules	(9)(A)
	Prokaryote and Eukaryote Cells	(4)(A)
	Cell Processes: Homeostasis	(4)(B)
	Cell Processes: Photosynthesis Gateway Resource: Cell Processes: Photosynthesis	(4)(B) (9)(B)
	Cell Processes: Respiration Gateway Resource: Cell Processes: Respiration	(4)(B) (9)(B)
	Cell Processes: Fermentation	(4)(B)
	Cell Processes: Cell Transport Gateway Resource (Kid2Kid Video): Cell Transport (English and Spanish versions)	(4)(B)
	Cell Reproduction: Mitosis	(5)(A)
	Cell Specialization and Differentiation Gateway Resource: Cell Specialization and Differentiation	(5)(B) (5)(C)
	Disruptions of the Cell Cycle: Cancer Gateway Resource: Disruptions of the Cell Cycle: Cancer	(5)(D)
	Virus: Structure Gateway Resource: Virus: Structure	(4)(C)
	Virus: Reproduction Gateway Resource: Virus: Reproduction	(4)(C)
	Virus: Disease Gateway Resource: Virus: Disease	(4)(C)
	Comparing Cells and Viruses Gateway Resource (Kid2Kid Video): Comparing Cells and Viruses (English and Spanish versions)	(4)(A) (4)(C)
	2 Mechanisms of Genetics	Components of DNA Gateway Resource (Kid2Kid Video): Components of DNA (English and Spanish versions)
Mechanisms of Genetics: Protein Synthesis Gateway Resource: Mechanisms of Genetics: Protein Synthesis		(6)(C) (6)(D)
Mechanisms of Genetics: DNA Changes Gateway Resource: Mechanisms of Genetics: DNA Changes		(6)(E)
Mendelian Genetics		(6)(E) (6)(F)
Non-Mendelian Inheritance		(6)(F)
Meiosis		(6)(G)
Genomic Analysis		(6)(H)
Transcription and Translation Gateway Resource (Kid2Kid Video): Transcription and Translation (English and Spanish versions)		(6)(C)

	Predict Monohybrid Crosses Gateway Resource (Kid2Kid Video): Predict Monohybrid Crosses (English and Spanish versions)	(6)(F)
3 Biological Evolution and Classification	Common Ancestry and Evidence for Evolution	(7)(A) (7)(B)
	Evolution of the Cell	(7)(G)
	Introduction to Natural Selection	(7)(C) (7)(D)
	Natural Selection and Genetic Diversity	(7)(E)
	Other Mechanisms of Evolution	(7)(F)
	Taxonomy Standards Gateway Resource: Taxonomy Standards Kid2Kid Video: Taxonomy (English and Spanish versions)	(8)(A) (8)(B)
	Taxonomy Hierarchy	(8)(B)
	Taxonomy: Major Groups Gateway Resource: Taxonomy: Major Groups	(8)(C)
4 Biological Processes and Systems	Energy Conversions: Photosynthesis and Respiration Gateway Resource (Kid2Kid Video): Energy Conversions: Photosynthesis and Respiration (English and Spanish versions)	(9)(B)
	Enzymes Gateway Resource: Enzymes	(9)(C)
	Animal Systems Interactions Gateway Resource: Animal Systems Interactions Kid2Kid Video: Interactions of Body Systems: Defense from Illness (English and Spanish versions)	(10)(A)
	Interactions of Body Systems: Response in Plants Kid2Kid Video: Interactions of Body Systems: Response in Plants	(10)(B)
	Biological Systems: Organization Gateway Resource: Biological Systems: Organization	(10)(C)
	Biological Systems: Homeostasis Gateway Resource: Biological Systems: Homeostasis	(11)(A)
	Structure and Function of Biomolecules Gateway Resource (Kid2Kid Video): Structure and Function of Biomolecules (English and Spanish versions)	(9)(A)
5 Interdependence within Ecosystems	Relationships between Organisms: Food Chains, Webs, and Pyramids Gateway Resource: Relationships between Organisms: Food Chains, Webs, and Pyramids	(12)(C)
	Symbiosis Gateway Resource: Symbiosis	(12)(A)
	Abiotic Cycles Gateway Resource: Abiotic Cycles	(12)(E)

	Homeostasis: Microorganisms Gateway Resource: Homeostasis: Microorganisms	(11)(C)
	Homeostasis: Ecological Systems Gateway Resource: Homeostasis: Ecological Systems	(11)(B)
	Environmental Impacts	(12)(F)
	Succession	(11)(D)
	Survival of a Species Gateway Resource: Survival of a Species	(12)(D)
	Organisms' Adaptations Gateway Resource: Organisms' Adaptations	(12)(B)