

## Science Grade 5 Blueprint

Grade	Standard	Goal	Objective Assessed	Science Distribution
5	1 Nature of Science	1.1 Understand Systems, Order, and Organization	1.1.1	35-38%
		1.2 Understand Concepts and Processes of Evidence, Models, and Explanations	1.2.1 1.2.2 1.2.3	
		1.3 Understand Constancy, Change, and Measurement	1.3.1 1.3.2	
		1.4 Understand the Theory that Evolution is a Process that Relates to the Gradual Changes in the Universe and of Equilibrium as a Physical State	No obj.	
		1.5 Understand Concepts of Form and Function	1.5.1	
		1.6 Understand Scientific Inquiry and Develop Critical Thinking Skills	1.6.1 1.6.2* 1.6.3 1.6.4 1.6.5 1.6.6 1.6.7*	
		1.7 Understand That Interpersonal Relationships Are Important in Scientific Endeavors	No obj.	
		1.8 Understand Technical Communication	1.8.1*	
	2 Physical Science	2.1 Understand the Structure and Function of Matter and Molecules and Their Interactions	2.1.1 2.1.2 2.1.3	15-17%
		2.2 Understand Concepts of Motion and Forces	No obj.	
		2.3 Understand the Total Energy in the Universe is Constant	No obj.	
		2.4 Understand the Structure of Atoms	No obj.	
		2.5 Understand Chemical Reactions	No obj.	
*denotes objective assessed in the classroom				

## Science Grade 5 Blueprint (continued)

Grade	Standard	Goal	Objective Assessed	Science Distribution
<b>5</b>	3 Biology	3.1 Understand the Theory of Biological Evolution	No obj.	15-17%
		3.2 Understand the Relationship between Matter and Energy in Living Systems	3.2.1	
		3.3 Understand the Cell is the Basis of Form and Function for All Living Things	3.3.1 3.3.2	
	4 Earth and Space Systems	4.1 Understand Scientific Theories of Origin and Subsequent Changes in the Universe and Earth Systems	4.1.1	15-17%
		4.2 Understand Geo-chemical Cycles and Energy in the Earth System	4.2.1	
	5 Personal and Social Perspectives; Technology	5.1 Understand Common Environmental Quality Issues, Both Natural and Human Induced	5.1.1.	15-17%
		5.2 Understand the Relationship between Science and Technology	5.2.1 5.2.2	
		5.3 Understand the Importance of Natural Resources and the Need to Manage and Conserve Them	5.3.1	
*denotes objective assessed in the classroom				

## Science Grade 7 Blueprint

Grade	Standard	Goal	Objective Assessed	Science Distribution
7	1 Nature of Science	1.1 Understand Systems, Orders, and Organization	1.1.1 1.1.2 1.1.3	39-43%
		1.2 Understand Concepts and Processes of Evidence, Models, and Explanations	1.2.1 1.2.2 1.2.3	
		1.3 Understand Constancy, Change, and Measurement	1.3.1 1.3.2 1.3.3	
		1.4 Understand the Theory that Evolution is a Process that Relates to the Gradual Changes in the Universe and of Equilibrium as a Physical State	Ref to 3.2.1	
		1.5 Understand Concepts of Form and Function	No obj.	
		1.6 Understand Scientific Inquiry and Develop Critical Thinking	1.6.1 1.6.2 1.6.3 1.6.4 1.6.5 1.6.6	
		1.7 Understand That Interpersonal Relationships Are Important in Scientific Endeavors	No obj.	
		1.8 Understand Technical Communication	1.8.1	
	2 Physical Science	2.1 Understand the Structure and Function of Matter and Molecules and Their Interactions	2.1.1 2.1.2 2.1.3 2.1.4 2.1.5	13-17%
		2.2 Understand Concepts of Motion and Forces	2.2.1	
		2.3 Understand the Total Energy in the Universe is Constant	No obj.	
		2.4 Understand the Structure of Atoms	No obj.	
		2.5 Understand Chemical Reactions	No obj.	

## Science Grade 7 Blueprint (continued)

Grade	Standard	Goal	Objective Assessed	Science Distribution
7	3 Biology	3.1 Understand the Theory of Biological Evolution	3.1.1	13-17%
		3.2 Understand the Relationship between Matter and Energy in Living Systems	3.2.1 3.2.2 3.2.3* 3.2.4	
		3.3 Understand the Cell is the Basis of Form and Function for All Living Things	3.3.1 3.3.2 3.3.3 3.3.4 3.3.5	
	4 Earth and Space Systems	4.1 Understand Scientific Theories of Origin and Subsequent Changes in the Universe and Earth Systems	4.1.1 4.1.2 4.1.3	13-17%
		4.2 Understand Geo-chemical Cycles and Energy in the Earth System	No obj.	
	5 Personal and Social Perspectives; Technology	5.1 Understand Common Environmental Quality Issues, Both Natural and Human Induced	No obj.	13-17%
		5.2 Understand the Relationship between Science and Technology	5.2.1 5.2.2	
		5.3 Understand the Importance of Natural Resources and the Need to Manage and Conserve Them	5.3.1	
*denotes objective assessed in the classroom				