

Subject		Science		
Course Title		Advanced Placement Biology		
Publisher		Glencoe/McGraw-Hill		
Program Title		Mader, Biology, Eighth Edition © 2004		
TEKS (Knowledge and Skills)	TEKS (Student Expectation)	Student Expectation (Breakout)	Location of student expectation/TEKS.	Page(s)
01. Students will learn about molecules and cells.	A. The student is expected to know about the chemistry of life.	01.The student will investigate organic molecules in organisms.	Chapter 3/Summary/Reviewing the Chapter/Testing Yourself/Understanding the Terms	35-54,53-54,54,54-55,56
01. Students will learn about molecules and cells.	A. The student is expected to know about the chemistry of life.	02. The student will investigate free energy changes.	Section 6.2 Metabolic Pathways and Enzymes/Connection the Concepts second paragraph/Summary/Reviewing the Chapter #7-11/Testing Yourself/Understanding the Terms	104-105, 106-107, 112, 112, 112, 114, 114
01. Students will learn about molecules and cells.	A. The student is expected to know about the chemistry of life.	03. The student will investigate enzymes.	Section 6.3 Metabolic Pathways and Enzymes/Connecting the Concepts 2nd paragraph/Summary 6.3/Reviewing the Chapter #7-11/Testing Yourself #4-6, 10, 14, 15, 19/Understanding the Terms #e	106-109, 111, 112, 112, 112-113, 56
01. Students will learn about molecules and cells.	B. The student is expected to know about cells.	01. The student will investigate prokaryotic cells	Section 1.3 How Living Things are Classified,Section 4.2 Prokaryotic Cells/Summary 4.2/ Table 4.1/Reviewing the Chapter #3, 4/Testing Yourself #3-4/Understanding the Terms 2nd column; #e/Section 21.2 The Prokaryotes/Section 21.3 The Bacteria/Section 21.4 The Archaea/Table 21B/Connecting the Concepts/Summary 21.2, 21.3, 21.4/Reviewing the Chapter #2, 5-12/Testing Yourself #10-19/Understanding the Terms #b, c, e	8-9, 62-63, 80, 80, 81, 81, 82, 367-370, 371-373, 373-374, 375, 376, 376, 377, 377-378, 378
01. Students will learn about molecules and cells.	B. The student is expected to know about cells.	02. The student will investigate eukaryotic cells.	Chapter 1 A View of Life/Section 1.3 How Living Things are Classified/Section 4.3 Eukaryotic Cells/Summary 4.3/Reviewing the Chapter #4-14/Testing Yourself #4-15/Understanding the Terms a-d	1-17, 8-9, 64-79, 80, 81-82, 81-82, 82

Course Title		Advanced Placement Biology		
Publisher		Glencoe/McGraw-Hill		
Program Title		Mader, Biology, Eighth Edition © 2004		
TEKS (Knowledge and Skills)	TEKS (Student Expectation)	Student Expectation (Breakout)	Location of student expectation/TEKS.	Page(s)
01. Students will learn about molecules and cells.	B. The student is expected to know about cells.	03. The student will investigate cell membranes.	Chapter 5 The Plasma Membrane/Summary/Reviewing the Chapter/Testing Yourself/Thinking Scientifically/Understanding the Terms/"The Endomembrane System"/Summary/Reviewing the Chapter #6-12/Testing Yourself #3,13,"Phospholipids: Membrane Components"/Figure 3.12 Phospholipids form membranes/Reviewing the Chapter #6, 9/Testing Yourself #3	83-97, 98, 99, 99-100, 100, 100, 70-75, 80, 81, 44, 44, 54, 54
01. Students will learn about molecules and cells.	B. The student is expected to know about cells.	04. The student will investigate subcellular organization.	"The Nucleus and Ribosomes"/"The Endomembrane System"/"Peroxisomes and Vacuoles"/"Energy-Related Organelles"/"The Cytoskeleton"/"Centrioles"/"Cilia and Flagella"/Summary 4.3/Reviewing the Chapter #4-14/Testing Yourself #3-15/Thinking Scientifically/Understanding the Terms	68-69, 70-72, 73, 74-75, 76-77, 78, 78-79, 80, 81, 81-82, 82, 82