

	PA Standards	Chpt 1-- Scientists Tools	Chpt 2-- Antacids	Chpt 3-- Airbags	Chpt 4-- Light	Chpt 5-- Soap	Chpt 6-- Sports Drinks	Chpt 7-- Hot packs	Chpt 8-- Industry	Chpt 9-- Forensics	Chpt 10-- Batteries	Chpt 11-- Polymers	Chpt 12-- Nuclear radiation	
3.1: Unifying Themes	3.1.10 A													
	3.1.10 B	Introduced in section 1-1 and used throughout text												
	3.1.10 C	Introduced in section 1-1 and 1-3 and used throughout text												
	3.1.10 D	Introduced in section 1-2 and 1-4 and used throughout text												
	3.1.10 E	Introduced in section 1-1 and used throughout text												
	3.1.12 A													
	3.1.12 B	Introduced in section 1-1 and used throughout text												
	3.1.12 C	Introduced in section 1-1 and 1-3 and used throughout text												
	3.1.12 D	Introduced in section 1-2 and 1-4 and used throughout text												
	3.1.12 E	Introduced in section 1-1 and used throughout text												
3.2 Inquiry & Design	3.2.10 A	Introduced in section 1-1 and used throughout text												
	3.2.10 B	Introduced in section 1-1 through 1-3 and used throughout text. There are student-designed (inquiry) labs at least 1 time per chapter												
	3.2.10 C													
	3.2.10 D													
	3.2.12 A	Introduced in section 1-1 and used throughout text												
	3.2.12 B	Introduced in section 1-1 through 1-3 and used throughout text. There are student-designed (inquiry) labs at least 1 time per chapter												
	3.2.12 C													
	3.2.12 D													
3.4 Physical Science, Chem & Physics	3.4.10 A		Section 2- 1 through 2-3, 2-6, 2- 7	Section 3- 1, 3-4, 3- 5, 3-7	Section 4- 1 through 4-5	Section 5- 1 through	Section 6- 4					All sections		
	3.4.10 B										All sections			
	3.4.10 C	(physics standard)												
	3.4.10 D	(physics standard)												
	3.4.12 A		Sections 2- 2 through 2-5	Section 3- 1, 3-3, 3-4				All sections			Section 9- 1			All sections
	3.4.12 B							All sections			All sections			
	3.4.12 C	(physics standard)												
	3.4.12 D	(physics standard)												

3.7 Technological Devices	3.7.10 A	All inquiry labs (at least 1 per chapter)
	3.7.10 B	All inquiry labs (at least 1 per chapter)
	3.7.10 C	Computer skills are utilized and enhanced through use of Probeware in labs throughout the text as well as using technology-based resources for research and project presentation.
	3.7.10 D	
	3.7.10 E	
	3.7.12 A	
	3.7.12 B	All inquiry labs (at least 1 per chapter)
	3.7.12 C	Computer skills are utilized and enhanced through use of Probeware in labs throughout the text as well as using technology-based resources for research and project presentation.
	3.7.12 D	
	3.7.12 E	
3.8	The themes in this book provide many opportunities to evaluate how humans impact science/technology and vice versa. Students are asked to: evaluate the pros and cons of different chemical/physical processes in producing a gas for an air bag, evaluate the effectiveness of antacid medicines, look at the pros and cons of nuclear radiation, understand the nature of environmental chemistry studies, etc. Each chapter uses a different theme relating science and personal products or concerns.	
3.8.10 A		
3.8.10 B		
3.8.10 C		
3.8.12 A		
3.8.12 B		
3.8.12 C		