



Notes:

		Test Proportion				
<b>SUBAREA I—SCIENTIFIC INQUIRY AND THE HISTORY AND NATURE OF SCIENCE</b>		<b>24</b>				
0001	Understand the nature of science and the processes and principles of scientific inquiry.					
0002	Understand procedures for gathering, recording, organizing, interpreting, analyzing, and communicating scientific data and information.					
0003	Understand appropriate safety practices, including the selection and proper use of materials, equipment, and technologies in scientific investigations.					
0004	Understand shared concepts, themes, and methods among scientific and other disciplines and the interdependence of science and technology.					
0005	Understand the history of science and the interrelationships of science and society.					
<b>SUBAREA II—LIFE SCIENCE</b>		<b>24</b>				
0006	Understand basic concepts of cell biology.					
0007	Understand the structure, organization, and basic life functions of organisms.					
0008	Understand the basic principles of genetics and evolution.					
0009	Understand human biology, including the interactions of humans with the environment.					
0010	Understand interactions of organisms with one another and their environments.					
<b>SUBAREA III—PHYSICAL SCIENCE</b>		<b>28</b>				
0011	Understand the properties of matter.					
0012	Understand physical and chemical changes in matter.					
0013	Understand concepts related to energy and energy transformation.					
0014	Understand electricity, magnets, and electromagnetism and their associated fields.					
0015	Understand forces and motion.					
0016	Understand characteristics and behavior of waves, sound, and light.					



Notes:

		Test Proportion				
<b>SUBAREA IV—EARTH AND SPACE SCIENCE</b>		<b>24</b>				
0017	Understand the structure and composition of Earth and the natural processes that shape it.					
0018	Understand characteristics of the atmosphere, weather, and climate.					
0019	Understand characteristics of the hydrosphere and the movement of water in the environment.					
0020	Understand interactions among Earth's systems and concepts related to environmental science.					
0021	Understand characteristics of the solar system and universe and the methods of exploring them.					