Alabama CTE

Health Science Discovery: Middle School

Foundational Standards

1. **Incorporate safety procedures in handling, operating, and maintaining tools and machinery; handling materials; utilizing personal protective equipment; maintaining a safe work area; and handling hazardous materials and forces.** F.1
2. **Demonstrate effective workplace and employability skills, including communication, awareness of diversity, positive work ethic, problem-solving, time management, and teamwork.** F.2
3. **Explore the range of careers available in the field and investigate their educational requirements and demonstrate job-seeking skills including resume-writing and interviewing.** F.3
4. **Advocate and practice safe, legal, responsible, and ethical use of information and technology tools specific to the industry pathway.** F.4
5. **Participate in a Career and Technical Student Organization (CTSO) to increase knowledge and skills and to enhance leadership and teamwork.** F.5
6. **Demonstrate effective infection control techniques as defined by the Centers for Disease Control and Prevention (CDC) and The Joint Commission guidelines.** F.6

Healthcare Professions HP

1. **Describe a variety of healthcare professions, indicating the purpose and scope of practice of each one.** 1
   - a Research and report on the historical development of the healthcare industry, its leaders, and its response to major scientific advancements. 1.A
   - b Research and report on the impact of medical research on the healthcare industry. 1.B
   - c Investigate and present information about a healthcare career area of interest. 1.C

Ethics

2. **Identify and explain legal and ethical practices related to the healthcare industry, including malpractice, negligence, invasion of privacy, HIPAA, ethics and law, Patients' Bill of Rights, licensure, and use of social media.** 2
   - a Research and report on a medical malpractice case. 2.A

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Communication	**3 Demonstrate verbal and nonverbal communication techniques appropriate for healthcare industry settings.** 3
Medical Math	**4 Apply the metric system to convert standard weights, measurements, and volumes commonly used in a healthcare setting.** 4 a Determine time using the 24-hour time format utilized in the healthcare industry. 4.A
Medical Terminology	**5 Identify common medical terms and abbreviations associated with the healthcare industry.** 5
Health Science Principles	**6 Describe basic structures and functions of the human body systems.** 6
Health and Wellness	**7 Research and report on current health and wellness topics.** 7 a Explain risk factors that contribute to illness, including heredity, environment, lifestyle, diet, and age. 7.A b Describe environmental conditions and lifestyle choices that affect wellness. 7.B c Explain how cultural and individual differences relate to wellness and quality of life and how these differences impact the overall health of society. 7.C d Summarize practices for the prevention and early detection of diseases, including health screenings and examinations. 7.D
Technical Skills	**8 Measure, record, and graph height and weight.** 8 a Demonstrate medical aseptic techniques for handwashing. 8.A b Demonstrate basic first aid skills. 8.B c Demonstrate cardiopulmonary resuscitation (CPR), use of an automated external defibrillator (AED), and first aid for choking victims. 8.C