Alabama CTE

Healthcare Career Exploration: 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

Introduction to Health Careers

1. **Research the history of health careers and describe how careers have advanced throughout the years.** 1
   - a Identify and describe the five health science career pathways. 1.A
   - b Define and use general medical terminology, including word roots, prefixes, and suffixes. 1.B
   - c Explain the importance of legal and ethical behaviors in health careers. 1.C

Therapeutic Services

2. **Research and share information on some of the careers available in therapeutic services, including salary, educational requirements, working conditions, advantages, and disadvantages.** 2
   - a Describe common characteristics of careers in the therapeutic services career pathway. 2.A
   - b Identify and demonstrate skills required to enter careers in the therapeutic services career pathway. 2.B

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Diagnostic Services

3 Research and share information on some of the careers available in diagnostic services, including salary, educational requirements, working conditions, advantages, and disadvantages. 3

- a Describe common characteristics of careers in the diagnostic services career pathway. 3.A
- b Identify and demonstrate skills required to enter careers in the diagnostic services career pathway. 3.B
- c Perform lab activities related to diagnostic services. 3.C

Health Informatics

4 Research and share information about some of the careers available in health informatics, including salary, educational requirements, working conditions, advantages, and disadvantages. 4

- a Describe common characteristics of careers in the health informatics career pathway. 4.A
- b Identify and demonstrate skills required to enter careers in the health informatics career pathway. 4.B
- c Perform office functions related to health informatics. 4.C

Support Services

5 Research and share information regarding some of the careers available in the support services career pathway including salary, educational requirements, working conditions, advantages, and disadvantages. 5

- a Describe common characteristics of careers in the support services career pathway. 5.A
- b Identify and demonstrate skills required to enter careers in the support services career pathway. 5.B
- c Research and share information about employability skills related to support services. 5.C

Biotechnology Research and Development

6 Research and share information about some of the careers available in the biotechnology research and development career pathway, including salary, educational requirements, working conditions, advantages, and disadvantages. 6

- a Describe common characteristics of careers in the biotechnology research and development career pathway. 6.A
- b Identify and demonstrate skills required to enter careers in the biotechnology research and development career pathway. 6.B

Information Technology in Health Care

7 Identify information technology careers in the Health Science career cluster and summarize the responsibilities, tasks, and skills they require. 7

- a Identify ethical, legal, and security issues faced by healthcare professionals. 7.A
- b Use various types of Internet search engines effectively to locate information relevant to the Health Science career cluster. 7.B