Iowa CTE

Health Science Service Area Standards

Universal CTE Middle School Standards

1 **Employability Skills: (overarching comprehensive standard statement)** 1

1 Demonstrate transferable knowledge and skills like attitudes, teamwork, leadership in the learning environment. 1.1

2 Create an environment that encourages and respects the ideas, perspectives, and contributions of all group members. 1.2

3 Evaluate effective conflict prevention techniques. 1.3

4 Apply the roles of decision making and problem solving in reducing and managing conflict. 1.4

5 Demonstrate effective responses to bullying harassment. 1.5

2 **Career Exploration** 2

1 Summarize career pathways within industries; including education needed, training requirements, knowledge, skills, attitudes, and available opportunities. 2.1

3 **Develop Effective Safety Practices** 3

1 Demonstrate safety and sanitation procedures for a clean and safe environment. 3.1

2 Students apply safety practices in the learning environment. 3.2

4 **Ethics in the Workplace** 4

1 Model ethical behavior and sound decision-making principles in the learning environment. 4.1

2 Examine how the industry contributes to or influences society. 4.2

5 **Leadership & Career and Technical Student Organizations (CTSOs)** 5

1 Demonstrate leadership skills and abilities in school and community settings through participation in civic and community leadership and teamwork opportunities. Exhibit traits such as compassion, service, listening, coaching, developing others, team development, and understanding and appreciating others. 5.1

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2 Explore how Iowa's career and technical student organizations (CTSOs) are integral components of career and technical education courses through compounding leadership experiences and professional skill development, service learning opportunities in the school and community and experiential work- and project-based learning and competitive events. 5.2

Health Science Service Area Standards

1 **Academic foundation: Health care professionals will know the academic subject matter required for proficiency within their area. They will use this knowledge as needed in their role. The following accountability criteria are considered essential for students in a health science program of study** 1

1 Human structure and function 1.1

1 Classify the basic structural and functional organization of the human body (tissue, organ, and system). 1.1.1

3 Analyze the basic structure and function of the human body. 1.1.3

4 Demonstrate anatomical position. 1.1.4

3 Medical mathematics 1.3

3 Record time using the 24-hour clock. 1.3.3

2 **Communications: Health care professionals will know the various methods of giving and obtaining information. They will communicate effectively, both orally and in writing** 2

1 Concepts of effective communication 2.1

1 Interpret verbal and nonverbal communication. 2.1.1

5 Apply speaking and active listening skills. 2.1.5

3 Written communication skills 2.3

1 Recognize elements of written and electronic communication (spelling, grammar and formatting). 2.3.1

2 Demonstrate appropriate use of digital communication in a work environment, such as email, text and social media. 2.3.2

4 **Employability skills: Health care professionals will understand how employability skills enhance their employment opportunities and job satisfaction. They will demonstrate key employability skills and will maintain and upgrade skills, as needed** 4

1 Personal traits of the health care professional 4.1

2 Summarize professional standards as they apply to hygiene, dress, language, confidentiality (Health Insurance Portability and Accountability Act -HIPAA) and behavior. 4.1.2

3 Career decision-making 4.3

2 Compare careers within the health science career pathways (diagnostic services, therapeutic services, health informatics, support services, or biotechnology research and development). 4.3.2

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6 **Ethics: Health care professionals will understand accepted ethical practices with respect to cultural, social and ethnic differences within the health care environment. They will perform quality health care delivery** 6

- 2 Ethical practice 6.2
  - 2 Apply principles of ethical behavior to health care situations. 6.2.2
- 3 Cultural, social and ethnic diversity 6.3
  - 1 Understand religious and cultural values as they impact health care. 6.3.1

7 **Safety practices: Health care professionals will understand the existing and potential hazards to clients, coworkers and self. They will prevent injury or illness through safe work practices and follow health and safety policies and procedures** 7

- 1 Infection control 7.1
  - 1 Explain principles of infection control. 7.1.1
- 2 Personal safety 7.2
  - 3 Demonstrate and apply the use of personal protective equipment (PPE). 7.2.3

8 **Teamwork: Health care professionals will understand the roles and responsibilities of individual members as part of the healthcare team, including their ability to promote the delivery of quality healthcare. They will interact effectively and sensitively with all members of the health care team** 8

- 1 Health care teams 8.1
  - 2 Identify characteristics of effective teams and team members in various roles. 8.1.2
- 2 Team member participation 8.2
  - 2 Analyze attributes and attitudes of effective team leaders and team members. 8.2.2

9 **Health maintenance practices: Health care professionals will understand the fundamentals of wellness and the prevention of disease processes. They will practice preventive health behaviors among the clients** 9

- 1 Healthy behaviors 9.1
  - 1 Apply behaviors that promote health and wellness. 9.1.1

10 **Technical skills: Health care professionals will apply technical skills required for all career specialties. They will demonstrate skills and knowledge as appropriate** 10

- 1 Technical skills 10.1
  - 2 Apply skills to obtain training or certification in cardiopulmonary resuscitation (CPR), automated external defibrillator (AED), foreign body airway obstruction (FBAO) and First Aid. 10.1.2

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11 **Information technology applications: Health care professionals will use information technology applications required within all career specialties. They will demonstrate use as appropriate to health care applications** 11

- 3 Basic computer literacy skills 11.3
  - 5 Evaluate the validity of web-based resources. 11.3.5
  - 6 Demonstrate use of appropriate email and social media usage. 11.3.6