Florida CTE: Health Science

Orientation to Health Science Professions (2026–2027)

Recognize progress in health care service. The student will be able to: 01.0	**01.** Compare medical progress from ancient times to the present. For example: surgical techniques, anesthesia, treatment and equipment. 01.01 **02.** Discuss health care leaders who brought about change and progress from ancient times to the present. For example: Hippocrates, Edward Jenner, Joseph Lister, Alexander Fleming, Marie Curie, and Clara Barton. 01.02 **03.** Demonstrate knowledge of how advances in science have impacted beliefs and practices from ancient times to the present. 01.03
Demonstrate an awareness of health careers and related employability skills. The student will be able to: 02.0	**01.** Complete a career inventory to match student interest with potential healthcare careers. 02.01 **02.** List employability/soft skills and characteristics needed to be successful in the workplace. For Example: punctuality, dependability, and communication skills. 02.02 **03.** Identify the characteristics of healthcare professionals. 02.03 **04.** Identify several professions in each of the Health Science Career Pathways: Therapeutic Services, Diagnostic Services, Health Informatics, Support Services, Bio-technology Research and Development. 02.04 **05.** List the advantages and disadvantages of one occupation in each pathway including the following factors; job description, career pathway/area of interest, and salary range. 02.05
Recognize basic communication skills in the healthcare setting. The student will be able to: 03.0	**01.** Demonstrate an understanding of interpersonal communication skills such as active listening, verbal, non-verbal and written language. 03.01 **02.** Demonstrate the ability to break medical terms into their word parts. 03.02 **03.** Discuss common abbreviations and symbols used in healthcare professions. 03.03 **04.** Identify technology used for communication in healthcare professions and proper etiquette for its' use. 03.04

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Perform basic mathematical calculations and demonstrate problem solving skills used by the health care worker. The student will be able to: 04.0	**01.** Describe the importance of why accurate calculations and effective problem solving skills are required. 04.01
	02. Calculate mathematical problems and measurements related to health care. 04.02
	03. Convert common weights, measure, and volumes to metric as applied in the health care setting. 04.03
	04. Accurately tell time using both standard and international/military time formats. 04.04
Demonstrate an understanding of principles of wellness and disease. The student will be able to: 05.0	**01.** Describe how cultural and individual differences relate to wellness and quality of life and how these differences impact health problems of society. 05.01
	02. Demonstrate an understanding of the risk factors that contribute to illness. 05.02
	03. Identify consequences of substance abuse and high risk behaviors. 05.03
	04. Describe strategies for prevention of diseases including health screenings and examinations. 05.04
	05. Explain basic concepts of positive self-image, body and mental wellness and the effect stress has on both. 05.05
	06. Explore the need for proper nutrition and water intake to maintain wellness. 05.06
Perform basic health care skills. The student will be able to: 06.0	**01.** Measure and record (graph) height and weight. 06.01
	02. Measure and record temperature, pulse, and respiration (TPR). 06.02
	03. Demonstrate medical aseptic technique by using proper hand washing skills. 06.03
	04. Demonstrate hands-only CPR. 06.04
Demonstrate occupational safety skills related to the employer, employee and the patient in the healthcare setting. The student will be able to: 07.0	**01.** Recognize safety concerns related to the practice of health care. 07.01
	02. Demonstrate an understanding for the importance of fire safety practices including prevention, evacuation plans (R.A.C.E.) and the use of a fire extinguisher (P.A.S.S.). 07.02
	03. Demonstrate safety habits that will prevent injury to health care workers, co-workers, and patients including proper use personal protective equipment (PPE) and infection control practices. 07.03