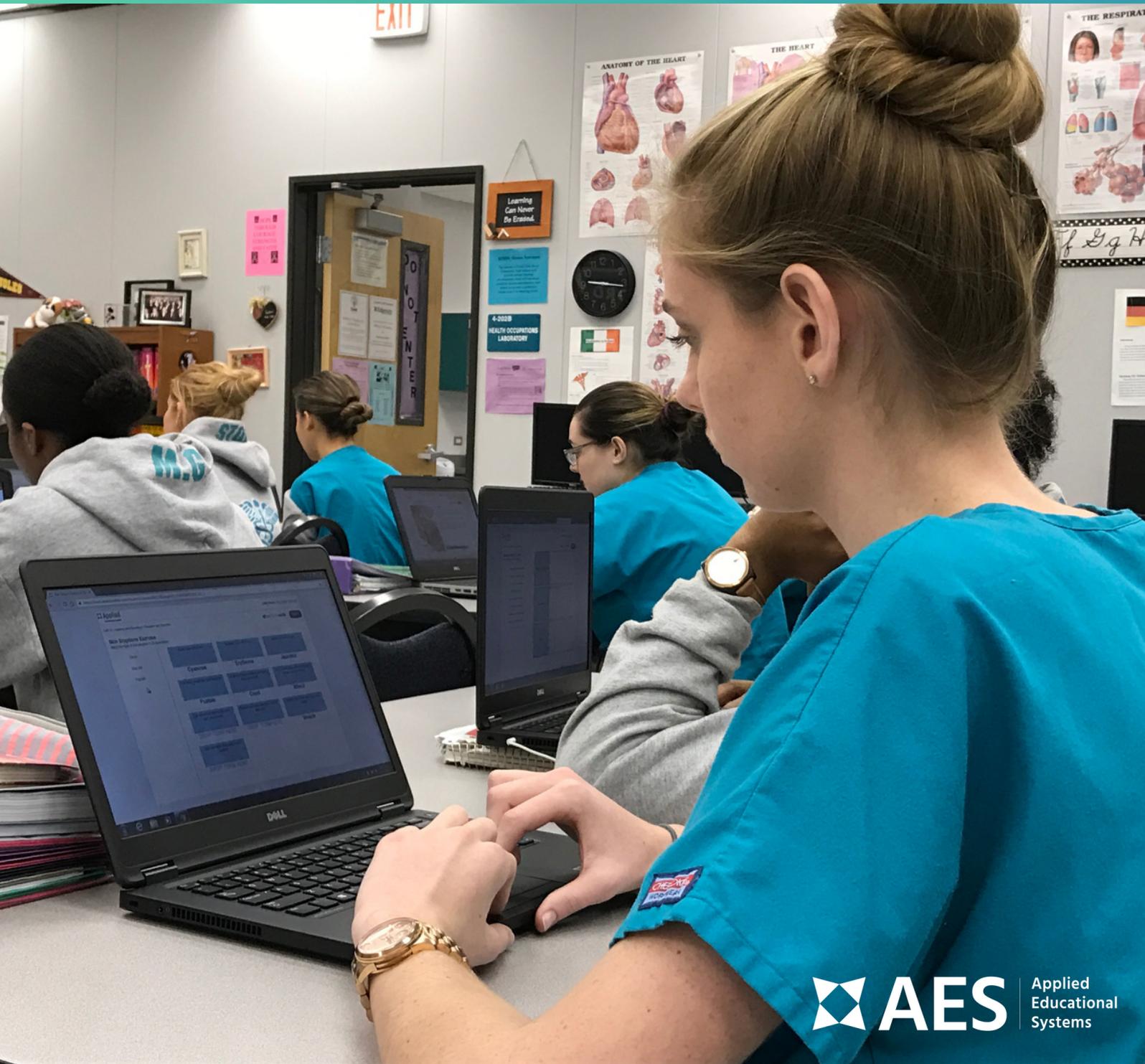


Guide to Using HealthCenter21 in Florida Middle and High School Health Science Courses



Introduction

When implementing HealthCenter21 in your district, you may wonder how you can use the system across middle and high school courses without repeating information.

This guide will help you best use HealthCenter21 in your Florida health science program, according to this course sequence:

1. Exploration of Health Science Professions and Career Planning
2. Orientation to Health Science Professions
3. Medical Skills and Services
4. Health Science Foundations
5. Health Science Anatomy and Physiology

On the following pages, you'll find recommendations on which modules your teachers should use according to this sequence.

These recommendations are based on how two Florida districts with well-established middle school health science programs use the curriculum.

If your course sequence differs from what is listed, speak with your AES account manager to discuss what will work best for your program.



1. Exploration of Health Science Professions and Career Planning

For the Exploration of Health Science Professions and Career Planning course, we recommend the following modules:

Digital Responsibility (2 hours): An overview on digital distractions and the importance of staying on task when using digital resources.

Legal and Ethical Responsibilities (12 hours): Students learn to make sound decisions when faced with different situations in the healthcare workplace.

Communications (17 hours): Students explore spoken and written communication as part of a healthcare team.

Medical Mathematics (10 hours): Students review and practice math skills frequently used by healthcare workers.

Infection Control (10 hours): An overview on the importance of protecting oneself and others using appropriate equipment and techniques.

Professionalism (8 hours): An overview of professional characteristics and traits belonging to successful employees.

Career Development (11 hours): An overview of the career planning process necessary to develop a career plan.

Customer Service (8 hours): Students understand the importance of customer service and their role in providing customer service as an employee.



2. Orientation to Health Science Professions

For the Orientation to Health Science Professions course, we recommend the following modules:

How to Ace This Class (*2 hours*): An overview on good study habits and personal learning responsibilities.

Health Career Exploration (*11 hours*): Students learn about the many possibilities of having a career in the healthcare field.

Health Care Careers (*10 hours*): An exploration of health science professions, including education and credential requirements.

Wellness and Nutrition (*15 hours*): An overview of the importance of wellness and nutrition in relation to healthcare providers, medications, physical exams, and practical wellness plans.

Safety Precautions (*8 hours*): An overview of safety techniques and regulations and the steps for identifying patients in a healthcare facility.

Client Status (*10 hours*): Students learn about body measurements and vital signs and the methods and equipment used for recording them.



3. Medical Skills and Services

If you implement the Medical Skills and Services course in your middle school program, we recommend the following modules:

Communications (17 hours): Students explore spoken and written communication as part of a healthcare team.

Medical Math (10 hours): Students review and practice math skills frequently used by healthcare workers.

Client Status (10 hours): Students learn about body measurements and vital signs and the methods and equipment used for recording them.

CPR and Basic Life Support (11.5 hours): Students learn all aspects of adult and pediatric BLS rescue, including why certain procedures are used.

Bloodborne Pathogens (8 hours): An exploration of bloodborne pathogens and the effect the risk of infection has on healthcare practice.

Health Information Technology (6 hours): An introduction to information technology in the healthcare industry and EHR systems.

Note: If your program teaches Medical Skills and Services at the high school level, we would recommend different modules.



4. Health Science Foundations

For the Health Science Foundations course, we recommend the following curriculum:

Healthcare Systems (12 hours): An overview of the history of healthcare, healthcare delivery systems, trends, technology, and healthcare economics.

Medical Terminology (8 hours): Students learn about the language of healthcare workers and learn to form and interpret medical terms.

Emergency Care (12 hours): An overview of emergency care where students learn to assess and react appropriately to a variety of situations.

Personal Qualities (12 hours): An overview of the expected personal characteristics of successful healthcare workers.

Anatomy and Physiology (19 hours): An overview of the 12 body systems and how they work together.

Human Growth and Development (13 hours): An overview of how people grow, develop, and age throughout the life span.

Behavioral Health (under development): Students gain knowledge and understanding of various behavioral health issues and how to handle patients in the healthcare workforce.

Domestic Violence (4 hours): Students will learn to handle encounters with victims of domestic violence. This module meets the 2-hour course requirement for domestic violence education.

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Health Science Foundations

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Cultural, Social, and Ethnic Diversity (8 hours): Students learn the importance of understanding diversity and providing respectful, empathetic treatment for all patients.

Job Seeking Skills (9 hours): An overview of tasks involved in finding, getting, and resigning from a job.

Health Information Technology (6 hours): An introduction to information technology in the healthcare industry and EHR systems. Used as a refresher in this course to prepare students to work within the EHR simulation.

Electronic Health Records Simulation (5 hours): A simulated EHR system designed to walk students through scenarios they will encounter in the healthcare workplace. These include adding new patients, scheduling appointments, and following appropriate documentation workflows.



5. Health Science

Anatomy & Physiology

HealthCenter21 is an excellent fit for a year-long Health Science Anatomy and Physiology course. For your A&P course, we recommend these modules:

Medical Terminology (8 hours): Students learn about the language of healthcare workers and learn to form and interpret medical terms.

A&P - Intro (21 hours): A brief overview of anatomy and physiology, including the six levels of structural organization, the chemical processes that support life, and an overview of how organs and body systems work together.

A&P - Integumentary System (11.5 hours): An overview of the structure and function of the integumentary system, plus related diseases and disorders.

A&P - Skeletal System (25.5 hours): An in-depth look at the human skeletal system that includes core and extended units. The core units provide a basis for the body system, and the extended units provide more detailed lessons on specific topics related to the system.

A&P - Muscular System (20 hours): This module presents an in-depth look at the human muscular system that includes core and extended units. The core units introduce students to the structure and function of the muscular system, focusing on the three types of muscles. The extended units provide more detailed lessons on topics related to the system.

A&P - Nervous System (12.5 hours): An overview of the structure and function of the nervous system. Students learn about neurons, the central nervous system, and the peripheral nervous system. They also learn about diseases and disorders of the nervous system.

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Health Science Anatomy & Physiology

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A&P - Sensory System (12.5 hours): An overview of the structure and function of the sensory system, including types of sensory receptors and the difference between general and special senses. Students also learn about diseases and disorders related to the sensory system.

A&P - Cardiovascular System (18 hours): An in-depth look at the human cardiovascular system across core and extended units. The core units provide a basis for the cardiovascular system and the extended units provide more detailed lessons on specific topics related to the system.

A&P - Lymphatic System (12.5 hours): An overview of the structure and function of the lymphatic system, including how the system supports fluid homeostasis and the immune system. Students also learn about related diseases and disorders.

A&P - Respiratory System (13 hours): An overview of the structure and function of the respiratory system, including differences among ventilation, respiration, and oxygenation. Students also learn about diseases and disorders of the respiratory system.

A&P - Digestive System (12.5 hours): An overview of the structure and function of the digestive system, including how the system supports the body in processing food and converting it to energy. Students also learn about diseases and disorders of the digestive system.

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Health Science Anatomy & Physiology

(Continued)

A&P - Urinary System (12.5 hours): An overview of the structure and function of the urinary system, including how the system supports the body in cleaning waste from the blood and eliminating it from the body. Students also learn about related diseases and disorders.

Diseases and Disorders (6 hours): An overview of various diseases and disorders, explaining the definition, etiology, pathology, presentation, diagnosis, treatment, and prognosis.

Daily Quiz Challenge: A 10-question, non-graded review challenge each day when your students log in. The questions include topics found within the Medical Terminology and Anatomy and Physiology modules that students often need more practice with.

For additional guidance on using HealthCenter21 across your middle and high school health science courses, contact your account manager.

