



Name _____

Learner ID _____

School/College/University _____

SAMPLE

Health Science

Career Cluster Plan of Study for ► Learners ► Parents ► Counselors ► Teachers/Faculty

This Career Cluster Plan of Study (based on the Health Science Career Cluster) can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. *This Plan of Study, used for learners at an educational institution, should be customized with course titles and appropriate high school graduation requirements as well as college entrance requirements.

EDUCATION LEVELS	GRADE	English/ Language Arts	Math	Science	Social Studies/ Sciences	Other Required Courses Other Electives Recommended Electives Learner Activities	*Career and Technical Courses and/ or Degree Major Courses for Health Science	SAMPLE Occupations Relating to This Career Cluster
Interest Inventory Administered and Plan of Study Initiated for all Learner:								
SECONDARY	9	English/ Language Arts I	Algebra I	Dependent on chosen pathway	State History Civics	All plans of study should meet local and state high school graduation requirements and college entrance requirements. Certain local student organization activities are also important including public speaking, record keeping and work-based experiences. A foreign language is recommended.	**Health Science I: Introduction to Health Science **Information Technology Applications	Occupations Requiring Less than Baccalaureate Degree ► Dental Assistant/Hygienist ► EMT/Paramedic ► Health Information Coder ► Home Health Aide ► Lab Technician ► Phlebotomist ► Radiographer ► Registered Nurse Occupations Requiring Baccalaureate Degree ► Athletic Trainer ► Biochemist ► Biostatistician ► Geneticist ► Industrial Hygienist ► Nutritionist ► Occupational Therapist ► Physician (MD/DO) ► Physician's Assistant ► Psychologist ► Radiologist ► Research Scientist ► Speech/Language Pathologist ► Toxicologist ► Veterinarian
	10	English/ Language Arts II	Dependent on chosen pathway	Dependent on chosen pathway	U.S. History		**Health Science II: Health, Safety and Ethics in the Health Environment	
	11	English/ Language Arts III	Dependent on chosen pathway	Dependent on chosen pathway	World History Sociology		**Health Science III: Employment in Health Occupations	
	College Placement Assessments-Academic/Career Advisement Provided							
	12	English/ Language Arts IV	Dependent on chosen pathway	Dependent on chosen pathway	Psychology Economics		Continue courses pertinent to the pathway selected.	
Articulation/Dual Credit Transcribed-Postsecondary courses may be taken/moved to the secondary level for articulation/dual credit purposes.								
POSTSECONDARY	Year 13	English Composition	Dependent on chosen pathway	Dependent on chosen pathway	American Govt. Psychology	All plans of study need to meet learners' career goals with regard to required degrees, licenses, certifications or journey worker status. Certain local student organization activities may also be important to include. Work-based learning is an integral part of this Career Cluster.	Continue courses pertinent to the pathway selected.	
	Year 14	Speech/ Oral Communication Technical Writing	Dependent on chosen pathway	Dependent on chosen pathway	American History Sociology			
	Year 15	Continue courses in the area of specialization.						
	Year 16							

** See course descriptions on page 2.



SAMPLE

Health Science Course Descriptions

(Course content may be taught as concepts within other courses.)

#1

Health Science I: Introduction to Health Science: Instructional content will focus on healthcare communications, leadership and teamwork, and reinforce, expand and enhance biology content specific to human structure and function. Instruction will use interest inventories and observations to introduce students to careers in healthcare and will incorporate project- and problem-based healthcare practices and procedures to demonstrate the criticality of these knowledge and skills. This course will build an understanding of the academic, communication, and technical skills in all aspects of the industry. Students will learn how healthcare workers fit within the overall health care environment and will identify how key systems affect quality of care and other services they perform.

#2

Information Technology Applications: This course is designed for those students who have not mastered knowledge and skills related to technology applications prior to entry into high school. Students will use technology tools to manage personal schedules and contact information, create memos and notes, prepare simple reports and other business communications, manage computer operations and file storage, and use electronic mail, Internet applications and GIS to communicate, search for and access information. Students will develop skills related word processing, database management, and spreadsheet applications.

#3

Health Science II: Health, Safety and Ethics in the Health Environment Instructional content will focus on healthcare safety, health maintenance practices and environmental safety processes and procedures, ethical and legal responsibilities as well as reinforce, expand and enhance biology content specific to diseases and disorders. Instruction will incorporate project- and problem-based healthcare practices and procedures to demonstrate the criticality of these knowledge and skills. Students will develop basic technical skills required for all health career specialties including understanding occupational safety techniques and obtaining their CPR and First Aid certifications.

#4

Health Science III: Employment in Health Occupations: Instructional content will focus on healthcare information technology applications, employability and career development, and technical skill preparation. These knowledge and skills will provide guidance for career selection and application for both entry-level employment and post-secondary preparation. Instruction will incorporate project- and problem-based healthcare practices and procedures to demonstrate the criticality of these knowledge and skills.