



Cluster Overview: Focuses on careers in planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.

Dentist, EMT, Psychiatrist, Nursing, Physician, Therapy Services, Speech Pathologist, Allied Health

Student Name _____

Entered 9th grade: 20____ - 20____

ID _____ **Grade :** 9 10 11 12

Diploma Plan: **RHSP** **DAP*** **MHSP** **TEXAS SCHOLAR**

Note 1 : Health and technology Applications locally required *Note 2: Entered 9th grade in 2010 - 2011 and thereafter must include Fine Arts*

SUGGESTED COURSEWORK

EXTENDED LEARNING EXPERIENCES

High School	Middle School	8th	HS Courses:	
	9th	Core Courses:	English I / PAP Algebra I/ Geometry / PAP Biology / PAP	World Geography / PAP Spanish I P. E. Fine Arts / Tech App (BIM)
		Career-Related Electives:	Principles of Health Science	(BIM)
	10th	Core Courses:	English II / PAP Geometry / Algebra II / PAP Chemistry / PAP IPC	World History / PAP Spanish II Elective: (BIM)Tech App / Fine Arts Elective:
		Career-Related Electives:	Health Science	
	11th	Core Courses:	English III / AP Adv. Math IV Algebra II* /MMA/ Pre-Cal / PAP/ DC Physics* PTI Chemistry / PAP	United States History / AP / DC Professional Communications / Comm Appl / Health Spanish III / DC
Career-Related Electives:		Practicum in Health Science		
12th	Core Courses:	English IV / AP / DC Algebra II/ Adv Math IV / Pre-Cal / PAP Calculus AP/ Math DC	Physics / PTI Fourth Science: Government/ AP/ DC Economics / AP/ DC Electives:	
	Career-Related Electives:	Practicum in Health Science or Pathophysiology II	Anatomy and Physiology Biology AP/DC	

<p>Curricular Experiences: Health Occupations Students of America NASA Research Program</p> <p>Career Learning Experiences: Career Preparation Internship Job Shadowing</p>	<p>Extracurricular Experiences: Language Immersion Programs School Newspaper/ Yearbook Science Club STARS Research Program Student Government UIL Academic Competitions</p> <p>Service Learning Experiences: Boy Scouts of America Campus Service Organizations Community Service Volunteer Girl Scouts of the USA Peer Mentoring / Peer Tutoring Science Camps Therapeutic Camps Special Olympics Medical Mission Trips</p>
--	---

COLLEGE CREDIT OPPORTUNITIES -- High School

Students should take Advanced Placement (AP), International Baccalaureate (IB), dual credit, Advanced Technical Credit (ATC), or locally articulated courses (Tech Prep), if possible. List those courses that count for college credit on your campus.

Professional Associations:
 Academy of Physician Assistants American Medical Association American Podiatric Medical Association Texas Medical Association Texas Osteopathic Medical Association American Pharmaceutical Association American Association of Colleges of Pharmacy American Society of Health System Pharmacists EMS Association of Texas

Postsecondary	On-the-Job Training	Assay Analyst Medical Office Assistant Food Laboratory Assistant Dietary Aide Service Worker Phlebotomist Drug Store Clerk
	Certificates	OSHA CareerSafe Home Medical Assistant Medication Vocational Nursing Pharmacy Technician Health Aide Registered Aide Medical Nursing Assistant EMT Paramedic/Instr Dietetic Technician Lab Technician Emergency Care Attendant

<p>Career Options: Licensed Dietitian MD DO PA NP Nutritionist Registered Dietitian Medical Assistant</p>	<p>Professional Associations: American Academy of Forensic Science American Chemical Society American Society for Microbiology American Statistical Association Association for Professionals in Infection Control and Epidemiology Biotechnology Industry Organization National Academy of Sciences National Environmental Health Association Texas Environmental Health Association American Association of Nurse Anesthetists American Nurses Association Licensed Vocational Nurses Association of Texas National Federation of Licensed Practical Nurses Texas Association for Home Care</p>
--	--

Postsecondary	Associate Degrees	Biotechnology Applied Science Nursing	Associated Applied Science in EMS Emergency Medical Systems/ Services	Medical Assistant Science
	Bachelor Degrees	Biology Chemistry Biomedical Engineering Nursing	Biotechnology Medical School Emergency Medical Systems	Forensic Science Statistics Physician Assistant
	Graduate Degrees	Epidemiology Biological Science Masters of Science Nursing	Forensic Science PhD Nursing Medical Technology	Independent Research Doctor of Medicine/Osteopathy/Podiatric Doctorate of Pharmacy

<p>Career Options: Biological Science Technician Chemical Technician Registered Nurse Forensic Science Technician Environmental Technician Research Assistant</p>	<p>Career Options: Biomedical Engineer RN Dir/Sup School Nurse Biotechnologist Environmental Technologist</p>
<p>Career Options: Epidemiologist Nurse Practitioner Biostatistician Clinical Nurse</p>	<p>Career Options: Bioinformatics Scientist Forensic Scientist Research Scientist</p>

Students may select other elective courses for personal enrichment purposes.

This plan of study serves as a guide, along with other career planning materials, for pursuing a career path and is based on the most recent information as of 2010. All plans meet high school graduation requirements as well as college entrance requirements.