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		<i>Career Goal (O*NET Code):</i> Environmental Scientist (19-2041), Biomedical Engineer (17-2031), Occupational Health and Safety Specialist (29-9011).		Student Name: _____ Grade: _____ School: _____			
SUGGESTED COURSEWORK						EXTENDED LEARNING EXPERIENCES	
Middle School	8th	HS Courses:				<i>Curricular Experiences:</i> Health Occupations Students of America NASA Research Program Technology Student Association <i>Career Learning Experiences:</i> Career Preparation Internship Job Shadowing	<i>Extracurricular Experiences:</i> BEST Robotics, Inc. FIRST High School Robotics Language Immersion Programs National Youth Leadership Forum on Medicine STARS Research Program Student Government UIL Academic Competitions <i>Service Learning Experiences:</i> Boy Scouts of America Campus Service Organizations Community Service Volunteer Girl Scouts of the USA Peer Mentoring / Peer Tutoring
High School	9th	Core Courses:	English I Algebra I Biology	World Geography Physical Education Languages other than English I	Professional Communications		
		Career-Related Electives:	Principles of Health Science				
	10th	Core Courses:	English II Geometry Chemistry	World History Languages other than English II			
		Career-Related Electives:	Medical Terminology				
	11th	Core Courses:	English III Algebra II Physics	United States History			
		Career-Related Electives:	Health Science Technology I or Languages other than English III				
12th	Core Courses:	English IV AP Statistics Government/Economics	Environmental Systems or AP Environmental Science Fine Arts	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.			
	Career-Related Electives:	Health Science Technology I or Advanced Biotechnology or Languages other than English IV					
	On-the-Job Training	Central Services Technician NOTE: These experiences may be started and/or completed as part of the high school experience.				<i>Professional Associations:</i> American Society for Healthcare Engineering Biomedical Engineering Society	
	Certificates	Sterile Processing & Distribution OSHA CareerSafe NOTE: Students may earn all or part of these certificates as part of the high school experience.			<i>Career Options:</i> Central Services Assistant		
Postsecondary	Associate Degrees	Electronics Engineering Technology Technology			<i>Career Options:</i> Biomedical Technician Clinical Technician		Environmental Science Technician Biological Technician
	Bachelor Degrees	Biomedical Engineering Environmental and Health Safety			<i>Career Options:</i> Biomedical Engineer Materials Manager		Environmental Engineer Facilities Manager Industrial Hygienist
	Graduate Degrees	Biomedical Engineering Engineering Environmental Health Sciences Industrial Operations			<i>Career Options:</i> Systems Management Environmental Analyst		Environmental Scientist Occupational Health & Safety Specialist
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 2009. All plans meet high school graduation requirements as well as college entrance requirements.		