

Foundational/Non-Occupational and Middle School Courses

PROGRAM OF STUDY **Exploring Health Professions**
WVEIS Code **0700**

National Consortium for Health Science Education

[Health Care Standards http://www.healthscienceconsortium.org/docs/therapeutic_svcs_pathway.pdf](http://www.healthscienceconsortium.org/docs/therapeutic_svcs_pathway.pdf)

The purpose of this course: The purpose of this course is to assist students in making informed decisions regarding their future academic and occupational goals and to provide information regarding careers in the Health Science career cluster. Reinforcement of academic skills occurs through classroom instruction and applied laboratory procedures. Instruction and learning activities are provided in a laboratory setting using hands-on experiences with the equipment, materials and technology appropriate to the course content and in accordance with current practices. Laboratory activities are an integral part of this program. These activities include instruction in the use of safety procedures, tools, equipment, materials, and processes related to these occupations. Equipment and supplies should be provided to enhance hands-on experiences for students.

[See Addendum at http://careertech.k12.wv.us/health.html for additional resources and information.](http://careertech.k12.wv.us/health.html)

Course Description:

Beginning with a broad overview of the Health Science career cluster, students are introduced to the terminology, careers, history, required skills, and technologies associated with each pathway in the Health Science career cluster. Additionally, they will be provided with opportunities to acquire and demonstrate beginning leadership skills.

Standards

After successfully completing this course, the student will be able to perform the following:

- Demonstrate an understanding of the Therapeutic Services career pathway.
- Demonstrate an understanding of the Diagnostics Services career pathway.
- Demonstrate an understanding of the Health Informatics career pathway.
- Demonstrate an understanding of the Support Services career pathway.
- Demonstrate an understanding of the Biotechnology Research and Development career pathway.
- Apply leadership and communication skills.
- Describe how information technology is used in the Health Science career cluster.
- Use information technology tools.

SKILL SETS

Career Preparation Skills
 Understanding the Workplace
 Leadership Development
 Health Maintenance Practices
 Technical Skills

Skill Set	Career Preparation Skills
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>
0700.1	• Therapeutic Services career pathway
	• Diagnostic Services career pathway
	• Health Informatics career pathway
	• Support Services career pathway
	• Biotechnology Research and Development career pathway

<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0700.2	<ul style="list-style-type: none"> Define and use proper terminology associated with the Therapeutic Services career pathway. 	
0700.3	<ul style="list-style-type: none"> Describe some of the careers available in the Therapeutic Services career pathway. 	
0700.4	<ul style="list-style-type: none"> Identify common characteristics of the careers in the Therapeutic Services career pathway. 	
0700.5	<ul style="list-style-type: none"> Research the history of the Therapeutic Services career pathway and describe how the associated careers have evolved and impacted society. 	
0700.6	<ul style="list-style-type: none"> Identify skills required to successfully enter any career in the Therapeutic Services career pathway. 	
0700.7	<ul style="list-style-type: none"> Describe technologies associated in careers within the Therapeutic Services career pathway. 	
0700.8	<ul style="list-style-type: none"> Define and use proper terminology associated with the Diagnostic Services career pathway. 	
0700.9	<ul style="list-style-type: none"> Describe some of the careers available in the Diagnostic Services career pathway. 	
0700.10	<ul style="list-style-type: none"> Identify common characteristics of the careers in the Diagnostic Services career pathway. 	
0700.11	<ul style="list-style-type: none"> Research the history of the Diagnostic Services career pathway and describe how the careers have evolved and impacted society. 	
0700.12	<ul style="list-style-type: none"> Identify skills required to successfully enter any career in the Diagnostic Services career pathway. 	
0700.13	<ul style="list-style-type: none"> Describe technologies associated in careers within the Diagnostic Services career pathway. 	
0700.14	<ul style="list-style-type: none"> Define and use proper terminology associated with the Health Informatics career pathway. 	
0700.15	<ul style="list-style-type: none"> Describe some of the careers available in the Health Informatics career pathway. 	
0700.16	<ul style="list-style-type: none"> Identify common characteristics of the careers in the Health Informatics career pathway. 	
0700.17	<ul style="list-style-type: none"> Research the history of the Health Informatics career pathway and describe how the careers have evolved and impacted society. 	
0700.18	<ul style="list-style-type: none"> Identify skills required to successfully enter any career in the Health Informatics career pathway. 	
0700.19	<ul style="list-style-type: none"> Describe technologies associated in careers within the Health Informatics career pathway. 	
0700.20	<ul style="list-style-type: none"> Define and use proper terminology associated with the Support Services career pathway. 	
0700.21	<ul style="list-style-type: none"> Describe some of the careers available in the Support Services career pathway. 	
0700.22	<ul style="list-style-type: none"> Identify common characteristics of the careers in the Support Services career pathway. 	
0700.23	<ul style="list-style-type: none"> Research the history of the Support Services career pathway and describe how the careers have evolved and impacted society. 	
0700.24	<ul style="list-style-type: none"> Identify skills required to successfully enter any career in the Support Services career pathway. 	
0700.25	<ul style="list-style-type: none"> Describe technologies associated in careers within the Support Services career pathway. 	

0700.26	<ul style="list-style-type: none"> Define and use proper terminology associated with the Biotechnology Research and Development career pathway. 	
0700.27	<ul style="list-style-type: none"> Describe some of the careers available in the Biotechnology Research and Development career pathway. 	
0700.28	<ul style="list-style-type: none"> Identify common characteristics of the careers in the Biotechnology Research and Development career pathway. 	
0700.29	<ul style="list-style-type: none"> Research the history of the Biotechnology Research and Development career pathway and describe how the careers have evolved and impacted society. 	
0700.30	<ul style="list-style-type: none"> Identify skills required to successfully enter any career in the Biotechnology Research and Development career pathway. 	
0700.31	<ul style="list-style-type: none"> Describe technologies associated in careers within the Biotechnology Research and Development career pathway. 	
Skill Set		Understanding the Workplace
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0700.32	<ul style="list-style-type: none"> workplace Skills 	
	<ul style="list-style-type: none"> exploring Careers 	
	<ul style="list-style-type: none"> job Search 	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0700.33	<ul style="list-style-type: none"> describe how work relates to the needs and functions of the economy, society, and personal fulfillment 	
0700.34	<ul style="list-style-type: none"> describe the influences that societal, economic, and technological changes have on employment trends and future training. 	
0700.35	<ul style="list-style-type: none"> describe the need for career planning, changing careers, and the concept of lifelong learning and how they relate to personal fulfillment. 	
0700.36	<ul style="list-style-type: none"> describe how legislation such as the Americans with Disabilities Act and Child Labor Laws regulates employee rights. 	
0700.37	<ul style="list-style-type: none"> demonstrate the ability to locate, understand, and use career information. 	
0700.38	<ul style="list-style-type: none"> use the Internet to access career and education planning information. 	
0700.39	<ul style="list-style-type: none"> identify skills that are transferable from one occupation to another. 	
0700.40	<ul style="list-style-type: none"> demonstrate use of career resources to identify occupational clusters, career opportunities within each cluster, employment outlook, and education/ training requirements. 	
0700.41	<ul style="list-style-type: none"> explain the relationship between educational achievement and career success. 	
0700.42	<ul style="list-style-type: none"> demonstrate personal qualities (e.g. dependability, punctuality, responsibility, integrity, getting along with others) that are needed to be successful in the workplace. 	
0700.43	<ul style="list-style-type: none"> demonstrate skills to interact positively with others. 	
0700.44	<ul style="list-style-type: none"> demonstrate employability skills such as working on a team, problem-solving and organizational skills. 	
Skill Set		Leadership Development
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0700.45	<ul style="list-style-type: none"> self- Awareness 	
	<ul style="list-style-type: none"> goal Setting and Decision-Making 	
	<ul style="list-style-type: none"> career and Education Planning 	
	<ul style="list-style-type: none"> job Search 	

<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0700.46	<ul style="list-style-type: none"> Use results of an interest assessment to describe their top interest areas and relate to careers/career clusters. 	
0700.47	<ul style="list-style-type: none"> Identify five values that they consider important in making a career choice. 	
0700.48	<ul style="list-style-type: none"> Identify skills needed for career choices and match to personal abilities. 	
0700.49	<ul style="list-style-type: none"> Demonstrate the ability to apply skills of self-advocacy and self-determination throughout the career planning process. 	
0700.50	<ul style="list-style-type: none"> Identify strengths and areas in which assistance is needed at school. 	
0700.51	<ul style="list-style-type: none"> Apply results of all assessments to personal abilities in order to make realistic career choices. 	
0700.52	<ul style="list-style-type: none"> Identify and demonstrate use of steps to make career decisions. 	
0700.53	<ul style="list-style-type: none"> Identify and demonstrate processes for making short and long term goals. 	
0700.54	<ul style="list-style-type: none"> discuss the establishment and history of the HOSA organization. 	
0700.55	<ul style="list-style-type: none"> identify the characteristics and responsibilities of organizational leaders. 	
0700.56	<ul style="list-style-type: none"> demonstrate parliamentary procedure skills during a meeting. 	
0700.57	<ul style="list-style-type: none"> participate on a committee which has an assigned task and report to the class. 	
0700.58	<ul style="list-style-type: none"> demonstrate effective communication skills through delivery of a speech, a slide presentation, or conducting a demonstration. 	
0700.59	<ul style="list-style-type: none"> use a computer to assist in the completion of a project related to the Health Science career cluster. 	
0700.60	<ul style="list-style-type: none"> identify secondary and postsecondary school courses that meet tentative career plans. 	
0700.61	<ul style="list-style-type: none"> identify advantages and disadvantages of entering various secondary and postsecondary programs for the attainment of career goals. 	
0700.62	<ul style="list-style-type: none"> demonstrate knowledge of varied types and sources of financial aid to obtain assistance for postsecondary education. 	
0700.63	<ul style="list-style-type: none"> identify inappropriate discriminatory behaviors that may limit opportunities in the workplace. 	
0700.64	<ul style="list-style-type: none"> develop a career and education plan that includes short and long-term goals, high school program of study, and postsecondary/work goals. 	
0700.65	<ul style="list-style-type: none"> describe how extracurricular programs can be incorporated in career and education planning. 	
0700.66	<ul style="list-style-type: none"> demonstrate knowledge of high school exit options (e.g., standard diploma, certificate of completion, special diploma, GED, etc.) and impact on post-school opportunities. 	
0700.67	<ul style="list-style-type: none"> describe high school credits and explain how g.p.a.'s are calculated. 	
0700.68	<ul style="list-style-type: none"> demonstrate skills to complete a job application. 	
0700.69	<ul style="list-style-type: none"> demonstrate skills essential for a job interview. 	
Skill Set	Technical Skills	
<i>Knowledge Objectives</i>	<i>Students will demonstrate knowledge of</i>	
0700.70	<ul style="list-style-type: none"> how information technology is used in the Health Science career cluster. information technology tools 	
<i>Performance Objectives</i>	<i>Students will</i>	<i>Skill Set Met</i>
0700.71	<ul style="list-style-type: none"> identify information technology (IT) careers in the Health Science career cluster, including the responsibilities, tasks and skills they require. 	

0700.72	<ul style="list-style-type: none"> relate information technology project management concepts and terms to careers in the Health Science career cluster. 	
0700.73	<ul style="list-style-type: none"> manage information technology components typically used in professions of the Health Science career cluster. 	
0700.74	<ul style="list-style-type: none"> identify security-related ethical and legal IT issues faced by professionals in the Health Science career cluster. 	
0700.75	<ul style="list-style-type: none"> identify the functions of web browsers, and use them to access the World Wide Web and other computer resources typically used in the Health Science career cluster. 	
0700.76	<ul style="list-style-type: none"> use e-mail clients to send simple messages and files to other Internet users. 	
0700.77	<ul style="list-style-type: none"> demonstrate ways to communicate effectively using Internet technology. 	
0700.78	<ul style="list-style-type: none"> use different types of web search engines effectively to locate information relevant to the Health Science career cluster. 	