



Goodheart-Willcox Correlation of <i>Introduction to Health Science: Pathways to Your Future</i> ©2016 to Oklahoma Standards for Career Tech / Health Science Course: Health Science Exploration – Grades 9-12	
Standard	Correlating Textbook Pages
Demonstrate employability skills required by business and industry.	
Communicate effectively through writing, speaking, listening, reading, and interpersonal abilities.	71-72, 73, 74, 76, 83-86, 93, 221-223, 224-225, 245, 385, 532-535, 672-674
Demonstrate creativity by asking challenging questions and applying innovative procedures and methods.	76 , 265 , 385, 532-535, 672-6 74 658-659
Exhibit critical thinking and problem solving skills to locate, analyze and apply information in career planning and employment situations.	127, 227-229, 385-387
Model work readiness traits required for success in the workplace including integrity, honesty, accountability, punctuality, time management, and respect for diversity.	8-9, 15-16, 88, 127, 179, 222-223, 227-229, 277, 368-369, 385-391, 572
Apply the appropriate skill sets to be productive in a changing, technological, diverse workplace to be able to work independently and apply team work skills.	48-49, 190-191, 369, 487-490
Present a professional image through appearance, behavior and language.	47-49, 178, 179. 194, 197, 216 (#18 and #22), 333, 334, 369-371, 376 (#26), 487-459, 509, 572. 643
Demonstrate standard safety practices for all classroom, laboratory and field experiences. Understand the existing and potential hazards to clients, co-workers, and self, and prevent injury or illness through safe work practices by following current health and safety policies and procedures.	
Identify safety hazards and reduce risk associated with them.	277-283, 574-584, 711-714
Comply with safety signs, symbols and labels.	135-140, 277-284, 574-584, 711-714
Analyze the role and the responsibilities of the healthcare provider (student) in the classroom, laboratory, and various workplace settings in an emergency situation.	118-119, 135, 230 , 275, 277 , 421-424, 506-507, 563, 697-700
Apply basic Emergency procedures and protocol in basic emergency situations and events.	120-121
Explain the following agencies' role in healthcare practice: OSHA, CDCP, CLIA, FDA, and ISO.	118-119, 135, 230, 275, 277, 421-424, 506-507, 563, 697-700
Apply principles of body mechanics.	138-139



Utilize personal protective equipment (PPE) and apply personal safety procedures based on OSHA (Occupational Health and Safety Administration and the Centers for Disease Control and Prevention (CDCP).	118-119, 493-199, 429 (Figure 12, 13), 575-583
Describe how various healthcare roles fit into the office/department, the organization and the overall health care environment. Identify how key systems affect services performed and quality of care.	
Analyze the healthcare delivery system (public, private, government, and non-profit).	122-127
Evaluate the factors influencing healthcare delivery systems.	9-10, 18 , 20, 48-49, 116-122, 148-149, 216
Describe the responsibilities of consumers within the healthcare system and how to engage patients and families in their own healthcare.	418-419
Explain the impact of emerging issues such as technology, epidemiology, bioethics, and socioeconomics on healthcare delivery systems.	697-702, 704-710
Discuss common methods of payment for healthcare.	122-127, 142 (#20 and 21), 143 (#33)
Develop a Career Plan.	
Compare careers within the health science career pathways: therapeutic, diagnostic, health informatics, environmental support, and biotechnology research and development.	42-47, 65(#16), 180-189, 216 (#20) , 334-343, 375(#16), 376 (#17), 478-487, 523(#28), 630-637, 665 (#34)
Discuss levels of education, credentialing requirements, and employment trends in healthcare.	26-27, 28, 131, 266-267, 419-421, 656-657
Analyze personal career goals and develop a career plan.	20-23, 24 – 31, 60-61
Analyze the roles and responsibilities of individual members as part of the health care team, including their ability to promote the delivery of quality health care.	47-49, 192
Discuss complementary health practices and career opportunities.	42-47, 180-189, 205-206, 211-212, 334-336
Recognize methods for building positive team relationships and communication.	47-49, 70-76
Analyze attributes and attitudes of an effective leader.	639-641, 640 (Figure 18)



Apply effective techniques for managing team conflict.	62, 186, 190-192, 264, 343-346, 639-641
Identify and develop entrepreneurial opportunities in healthcare.	639
Evaluate the impact of diversity and ethics on healthcare delivery.	
Evaluate how diversity affects healthcare delivery.	8-9, 127, 227-229, 385-391, 704-710, 500
Compare and contrast personal and workplace ethics.	130-132, 266, 268, 369-371, 421
Recognize ethical issues and their implications related to healthcare.	130-134, 136-138, 272-275, 395-396, 424-425, 571-574, 677, 704-710
Examine ethical dilemmas that may occur in healthcare.	268-270, 275, 344, 417, 652
Demonstrate respectful and empathetic treatment of ALL patients/clients (patient/customer service).	127, 131, 136-137, 227-229
Demonstrate an understanding of the legal responsibilities, limitations, and implications of their actions within the healthcare delivery setting. Evaluate the importance of their duties according to regulations, policies, laws and legislated rights of clients.	
Analyze the basic legal responsibilities of healthcare workers in regards to torts, malpractice, and negligence, invasion of privacy, privileged communication, patient/client confidentiality, and informed consent.	130-134, 136-138, 272-275, 395-396, 424-425, 571-574, 677, 704-710
Discuss patients' rights and responsibilities.	130, 133-134, 270-273
Explain standards for Health Insurance Portability and Accountability Act (HIPAA).	133, 272, 345, 536, 677,
Describe advance directives.	133-134, 141, 143
Evaluate the importance of institutional policies and procedures.	123-129, 130-134
Identify and demonstrate the various methods of providing and obtaining information from patients, family members, other agencies, and other members of the healthcare team.	
Interpret verbal and nonverbal communication.	71-72, 73, 74, 83-86, 93, 221-223, 224-225, 381-382
Recognize barriers to communication.	70-75
Report subjective and objective information.	70-95
Recognize the elements of communication using a sender-receiver model.	70-73
Apply speaking and active listening skills.	72-74



Recognize elements of written and electronic communication (spelling, grammar, and formatting).	77-95
Use roots, prefixes, and suffixes to communicate information.	77-95, 148-154
Utilize current and acceptable medical abbreviations and terminology within the electronic medical record and in other forms of medical communication.	77-95, 148-154
Recognize legal and ethical implications of electronic communications.	89-92
Practice preventive health behaviors personally and professionally.	
Apply behaviors that promote health and wellness.	222-223, 346, 389, 504-518
Describe strategies to maintain a healthy lifestyle.	222-223, 346, 389, 504-518
Create a stress management plan.	512-518
Analyze different types of microorganisms and their defining characteristics to reduce the risk of infection or illness. Demonstrate physicochemical methods and the use of PPE in preventing and controlling the spread of microbial growth.	
Define and describe the need for asepsis and infection prevention in the classroom, laboratory, and in the healthcare environment.	188 – 189, 191, 193, 425-433, 494-497
Compare and demonstrate various physical (hand washing and PPE) and chemical methods (cleaning, disinfection, and sterilization) used to control or prevent microbial growth.	193-197, 425-433, 494-497
Examine the evolution and spread of antibiotic resistant pathogens.	193-197, 425-433, 494-497
Analyze ways microorganisms are spread using the chain of infection model.	193-197, 425-453, 494-497
Utilize personal protective equipment (PPE) and apply personal safety procedures based on OSHA (Occupational Health and Safety Administration and the Centers for Disease Control and Prevention (CDCP).	197-198, 215, 217, 277-278, 363, 421-423, 422, , 492, 711-712
Describe methods of controlling the spread and growth of microorganisms.	195-197, 425-433, 494-497
Discuss Hospital Acquired Infection (HAI), the HAI standards and reporting of HAI.	188-189 , 193, 425, 433, 494-497
Discuss immunizations and the schedule for vaccinations.	7, 12, 26, 233, 428, 454, 457, 471, 598, 630-631, 633, 638, 642, 676, 696, 704, 734



Demonstrate CPR, First Aid and the AED utilizing current standards.	
Analyze differences in pulse and respiratory rates in adult, child and infant.	349-352, 377 (#31), 451-452,
Discuss the function of the respiratory and circulatory systems and what happens with these systems during cardiac arrest and then during cardiopulmonary resuscitation.	311, 360-361, 365, 460-464, 465-467
Demonstrate how to locate pulse points and how to check pulse and respiratory rates.	349-352 , 365-366, 451-452
Successfully complete CPR, AED, and First Aid training according to American Heart Association or American Red Cross, or other nationally recognized certifying agency.	260, 361, 355-367, 358, 373, 377 (#3)
Describe the stages of development from birth to adulthood (i.e. neonatal period, infancy, childhood, adolescence and puberty, adulthood, and geriatrics).	
Compare and contrast life stages as it relates to growth and developmental needs.	617-619
Discuss the social, physical, mental, and spiritual needs throughout the different life stages.	617-619
Examine the common theories of growth and development (Erickson, Maslow's).	617-619 (#5), 622 (#16)
Discuss age-appropriate healthcare needs.	617-619
Utilize information technology applications required within all career specialties. Demonstrate use as appropriate to healthcare applications.	
Identify methods and types of data collected in healthcare.	76-95, 229-231
Use health record data collection tools (such as input screens, document templates).	77-95, 229-237
Differentiate between types and content of health records (patient, pharmacy, and laboratory).	76 – 86, 393
Ensure that documentation in the health record reflects timeliness, completeness, and accuracy.	79-82, 229-237
Adhere to information systems policies and procedures as required by national, state, local, and organizational levels.	41-42, 229-237
Apply the fundamentals of privacy and confidentiality policies and procedures.	41 , 42, 127-133, 136-138, 396
Identify legal and regulatory requirements related to the use of personal health information.	127-133, 229-237



Identify and apply policies and procedures for access and disclosure of personal health information.	127-133, 136-138, 229-237
Describe the consequences of inappropriate use of health data in terms of disciplinary action.	127-133, 136
Describe appropriate methods to correct inaccurate information/errors personally entered into an electronic medical record (EMR).	89-92 , 229-237
Apply basic computer concepts and terminology in order to use computers and other mobile devices.	92-95, 229-237
Demonstrate basic computer operating skills.	92-95 229-237
Demonstrate use of basic file organization and information storage.	92-95
Use basic word processing, spreadsheet, and database applications.	92-95
Evaluate the validity of web-based resources.	229-237
Demonstrate use of appropriate email and social media.	92-95, 229-237
Apply the fundamentals of privacy and confidentiality policies and procedures.	229-237
Apply mathematical computations related to healthcare procedures.	
Utilize metric and household, conversions and measurements as related to healthcare procedures and treatments.	97-98, 239-246, 258, 399-404, 413 (#26-28)
Analyze diagrams, charts, graphs, and tables to interpret healthcare results.	99-100, 244-245, 399, 402-409, 531
Explore how related student organizations are integral parts of career and technology education courses through leadership development, school and community service projects, entrepreneurship development, and competitive events.	
Research the history of the state supported healthcare science CTSO (Career Technical Student Organization).	62-63, 212-213, 373, 660-661
Discuss the mission, purpose, motto, colors, official dress and other distinguishing characteristic of the state supported healthcare science CTSO.	62-63, 212-213, 373, 518-519, 660-661
Explain how participation in the state supported healthcare science CTSO can promote lifelong responsibility for community service and professional growth and development.	62-63, 212-213, 373, 518-519, 660-661



Goodheart-Willcox Publisher

18604 West Creek Drive • Tinley Park, IL 60477-6243

Web www.g-w.com
Orders 800.323.0440
Phone 708.687.5000
Fax 708.687.5068

Create a personal leadership plan to participate in programs, conferences, community service and competitive events on the local, region, state, and national level that align with the competencies, skills and knowledge of this course.

62-63, 212-213, 373, 518-519, 660-661