

SUBJECT:	Career and Technical Education	CORRELATION
GRADE LEVEL:	9, 10, 11, 12	FLORIDA DEPARTMENT OF EDUCATION
COURSE TITLE:	Health Science Foundations	INSTRUCTIONAL MATERIALS CORRELATION
COURSE CODE:	8417110	COURSE STANDARDS / BENCHMARKS
SUBMISSION TITLE:	<i>Introduction to Health Science: Pathways to Your Future</i>	
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BENCHMARK CODE	BENCHMARK	LESSONS WHERE BENCHMARK IS DIRECTLY ADDRESSED IN-DEPTH IN MAJOR TOOL (Include the student edition and teacher edition with the page numbers of lesson, a link to lesson, or other identifier for easy lookup by reviewers.)
01.0 Demonstrate knowledge of the health care delivery system and health occupations. The student will be able to:		
01.01	Identify the basic components of the health care delivery system including public, private, government and non-profit	17-20, 116-125, 416-419, 142 (#15), 143 (#31)
01.02	Identify common methods of payment for healthcare services.	102, 107-109, 113 (#27 and 28), 122-125
01.03	Describe the various types of healthcare providers and the range of services available including resources to victims of domestic violence.	120-121
01.04	Describe the composition and functions of a healthcare team.	48-49, 190-192, 216 (#22), 264, 286 (#16), 343-346, 487-489, 638-641
01.05	Identify the general roles and responsibilities of the individual members of the healthcare team.	48, 489
01.06	Identify the roles and responsibilities of the consumer within the healthcare delivery system.	270-271, 418-419

01.07	Identify characteristics of effective teams.	346, 488-489, 49
01.08	Recognize methods for building positive team relationships	346, 488-489
01.09	Analyze attributes and attitudes of an effective leader.	638-641, 665 (#30)
01.10	Recognize factors and situations that may lead to conflict	487-488
01.11	Demonstrate effective techniques for managing team conflict.	488-489
01.12	Describe factors that influence the current delivery system of healthcare.	116-118, 143 (#24 and 31)
01.13	Explain the impact of emerging issues including technology, epidemiology, bioethics and socioeconomics on healthcare delivery systems	17-20, 88-92, 229-238, 393-398, 535-539, 676-681, 637, 704-710
02.0 Demonstrate the ability to communicate and use interpersonal skills effectively. The student will be able to:		
02.01	Develop basic speaking and active listening skills	72-74, 112 (#19 and 21), 286 (#26)
02.02	Develop basic observational skills and related documentation strategies in written and oral form	381-382, 75-76, 384-385, 77-82, 102-103, 112 (#18), 651-652, 265
02.03	Identify characteristics of successful and unsuccessful communication including communication styles and barriers.	113 (#31), 221-223, 225-229, 257 (#18), 259 (#33), 282-283
02.04	Respond to verbal and non-verbal cues.	112 (#17), 75, 83-84, 221-222, 224, 283, 364, 71
02.05	Compose written communication using correct spelling, grammar, a formatting and confidentiality and specific formats of letter writing.	50-54, 67 (#26), 76, 92-95, 113 (#29), 66 (#20), 206, 208, 659, 665 (#35), 532, 555 (#35), 672-674

02.06	Use appropriate medical terminology and abbreviations.	148-153, 82, 53, 170 (#18), 249 (Figure 7.29), 266 (Figure 8.4), 286 (#17 and 18)
02.07	Recognize the importance of courtesy and respect for patients and other healthcare workers and maintain good interpersonal relationships.	84, 201, 224, 49, 222, 271, 346, 389, 424, 573, 510-511
02.08	Recognize the importance of patient/client education regarding healthcare.	87-88, 283
02.09	Adapt communication skills to varied levels of understanding and cultural orientation including diverse age, cultural, economic, ethnic and religious groups.	127, 224-225, 226-229, 259 (#33), 385-391, 392
02.10	Analyze elements of communication using a sender-receiver model.	71-72
02.11	Distinguish between and report subjective and objective information.	78, 381
02.12	Report relevant information in order of occurrence.	265, 385, 81-82
03.0 Demonstrate legal and ethical responsibilities. The student will be able to:		
03.01	Discuss the legal framework of the healthcare occupations including scope of practice legislation	191-192, 216 (#21), 266, 268, 344-345, 362, 370, 421, 436 (#19)
03.02	Explain practices that could result in malpractice, liability, negligence, abandonment, false imprisonment and fraud.	268-270, 286 (#20), 81, 344, 652, 710, 129-130
03.03	Demonstrate procedures for accurate documentation and record keeping.	77-79, 81-82, 103, 265, 112 (#18)
03.04	Interpret healthcare facility policy and procedures.	272, 424, 92, 201, 109, 197, 265, 385, 494

03.05	Explain the “Patient’s Bill of Rights”.	270-271, 286 (#21)
03.06	Identify standards of the Health insurance Portability and Accountability Act (HIPAA).	133, 230, 272-273, 286 (#23), 418, 677
03.07	Describe advance directives.	133-134, 143 (#30)
03.08	Describe informed consent.	271-272, 287 (#28)
03.09	Explain the laws governing harassment, labor and employment.	566-571, 128, 277-279
03.10	Differentiate between legal and ethical issues in healthcare.	127-135, 266-276, 419-425, 565-574, 704-710
03.11	Describe a code of ethics consistent with the healthcare occupation.	130-132, 143 (#34), 287 (#30), 424, 586 (#15), 587 (#35)
03.12	Identify and compare personal, professional, and organizational ethics.	130-132, 136, 273-275, 286 (#19), 571-572, 704, 512
03.13	Recognize the limits of authority and responsibility of health care workers including legislated scope of practice.	264, 344, 421, 188, 190-192, 202, 216 (#21), 266, 268, 345, 436 (#19)
03.14	Recognize and report illegal and/or unethical practices of healthcare workers.	136, 267, 345, 424, 573-574
03.15	Recognize and report abuse including domestic violence and neglect.	129, 143 (#24), 269, 275
03.16	Distinguish among the five schedules of controlled substances.	560, 715, 642
04.0 Demonstrate an understanding of and apply wellness and disease concepts. The student will be able to:		
04.01	Describe strategies for prevention of diseases including health screenings and examinations.	12, 357-359, 417, 600, 633, 381-383, 755-756, 749
04.02	Identify personal health practices and environmental factors which affect optimal function of each of the major body systems.	505-509, 555 (#35), 302-303, 306, 314-315, 319-320, 451, 458-459, 463, 467, 605, 610, 428, 730-735, 744-745, 749-750, 756, 760

04.03	Identify psychological reactions to illness including defense mechanisms.	618-619, 687
04.04	Identify complementary and alternative health practices.	275-276, 286 (#25)
04.05	Discuss the adverse effects of the use of alcohol, tobacco, and both legal and illegal drugs on the human body and apply safety practices related to these and other high risk behaviors.	364, 614, 470 (#20), 686, 745, 731
04.06	Explain the basic concepts of positive self-image, wellness and stress.	505-518, 523 (#24), 279
04.07	Develop a wellness and stress control plan that can be used in personal and professional life.	505-518, 523 (#24)
04.08	Explore and utilize the U.S. Department of Agriculture's MyPlate food guide (www.choosemyplate.gov).	506, 595, 623 (#26)
04.09	Recognize the steps in the grief process.	618-619
05.0 Recognize and practice safety and security procedures. The student will be able to:		
05.01	Recognize safe and unsafe working conditions and report safety hazards.	571, 277-281, 287 (#29), 422, 433, 574-583, 423, 431, 750
05.02	Demonstrate the safe use of medical equipment.	197, 201, 280-281, 433, 527, 559, 561, 579-581, 634, 642, 647-649, 712-713
05.03	Explain and apply the theory of root- cause analysis.	8, 122, 333-334, 477, 517, 554 (#26), 623 (#19), 635, 636, 664 (#24), 719 (#31)
05.04	Identify and describe methods in medical error reduction and prevention in the various healthcare settings.	82, 103, 126, 149, 203, 232-234, 282-283, 286 (#27), 418, 560-562, 586 (#16), 645
05.05	Identify and practice security procedures for medical supplies and equipment.	433, 492, 712-713, 719 (#37)

05.06	Demonstrate personal safety procedures based on Occupations Safety and Health Administration (OSHA) and Centers for Disease Control (CDC) regulations including standard precautions.	492, 523 (#27), 193-199, 217 (#26), 429-433, 437 (#28), 277, 421-424, 430-431, 560, 581, 587 (#27), 711-712
05.07	Recognize Materials Data Safety Sheets (MSDS) and comply with safety signs, symbols and labels.	422, 714, 719 (#34), 642, 665 (#29), 560, 579, 713-714
05.08	Demonstrate proper body mechanics and ergonomics.	279-280, 287 (#29 and 31), 502-503, 138-139, 143 (#26)
05.09	Demonstrate the procedure for properly identifying patients.	81, 137, 201, 282, 43
05.10	Demonstrate procedures for the safe transport and transfer of patients.	287 (#29), 484, 502-504, 523 (#25), 561, 573, 580-581, 587 (#32)
05.11	Describe fire, safety, disaster and evacuations procedures.	575-578, 582-583
05.12	Discuss The Joint commission patient safety goals and any other applicable accrediting/regulatory agency guidelines.	135, 221, 265, 563, 181-182, 587 (#26), 699-700, 118-119, 275
06.0 Recognize and respond to emergency situations. The student will be able to:		
06.01	Record and monitor vital signs.	347-354, 377 (#27), 400-402, 413 (#30), 451-452
06.02	Describe legal parameters relating to the administration of emergency care.	128, 271, 361, 362
06.03	Obtain and maintain training or certification on cardiopulmonary resuscitation (CPR), automated external defibrillator (AED), foreign body airway obstruction (FBAO) and first aid.	360, 365, 367, 656, 364
06.04	Recognize adverse drug related emergencies and take appropriate first aid action.	359-367, 365, 371, 422, 736

07.0 Recognize and practice infection control procedures. The student will be able to:		
07.01	Define principles of infection control including standard and transmission based precautions	425-433, 437 (#28), 193-199
07.02	Demonstrate knowledge of medical asepsis and practice procedures such as hand-washing and isolation.	429-433, 437 (#31), 496, 194-196, 426
07.03	Demonstrate knowledge of surgical asepsis.	430
07.04	Describe how to dispose correctly of biohazardous materials according to appropriate government guidelines such as OSHA.	422, 430-432, 712, 714, 642
08.0 Demonstrate an understanding of information technology applications in healthcare. The student will be able to:		
08.01	Describe technology applications in healthcare.	88-96, 229-238, 393-398, 535-539, 676-681
08.02	Define terms and demonstrate basic computer skills.	35 (#25), 41,43, 44, 52, 58, 88-89
08.03	Recognize technology applications in healthcare.	88-96, 229-238, 393-398, 535-539, 676-681
08.04	Interpret information from electronic medical documents.	89-92, 112 (#24)
08.05	Identify methods of communication to access and distribute data such as fax, e-mail and internet.	95, 113 (#30), 92-94, 113 (#29), 395, 171 (#27), 232, 287 (#33 and 35), 327 (#24), 377 (#31), 413 (#25), 470 (#16 and 18), 586 (#16), 665 (#32), 677-679, 692 (#23)
09.0 Demonstrate employability skills. The student will be able to:		
09.01	Identify personal traits or attitudes desirable in a member of the healthcare team.	41-42, 65 (#15), 177-179, 216 (#18), 333-334, 477, 629-630, 664 (#20)

09.02	Exemplify basic professional standards of healthcare workers as they apply to hygiene, dress, language, confidentiality and behavior (i.e. telephone etiquette, courtesy and self-introductions).	130, 132, 134-135, 143 (#29), 369-371, 376 (#26), 194-196, 509, 368, 572, 74, 227-228, 562, 136-138, 83-86, 112 (#19 and 21), 201, 224-225, 199, 282
09.03	Identify documents that may be required when applying for a job.	62, 207-208, 659-660, 67 (#26), 217 (#30 and 32), 665 (#35 and 36)
09.04	Write an appropriate resume.	62, 67 (#26)
09.05	Conduct a job search.	205, 217 (#31 and 32)
09.06	Complete a job application form correctly	217 (#32), 205-208
09.07	Examine levels of education, credentialing requirements including licensure and certification, employment opportunities, workplace environments and career growth potential.	26-30, 35 (#28), 134-135, 266-267, 287 (#33), 419-421, 436 (#19), 656, 65 (#19), 29, 183, 335, 633, 67 (#25), 217 (#29), 377 (#32), 523 (#28), 665 (#35)
09.08	Recognize levels of education, credentialing requirements, employment opportunities, workplace environments and career growth potential.	26-30, 35 (#28), 134-135, 266-267, 287 (#33), 419-421, 436 (#19), 656, 65 (#19), 29, 183, 335, 633, 67 (#25), 217 (#29), 377 (#32), 523 (#28), 665 (#35)
09.09	Identify acceptable work habits.	572, 586 (#20)
09.10	Recognize appropriate affective/professional behavior.	41-42, 60
09.11	Compare careers within the health science career pathways (diagnostic services, therapeutic services, health informatics, support services and biotechnology research and development).	42-47, 180-189, 334-343, 478-487, 630-638
10.0 Demonstrate knowledge of blood borne diseases, including HIV/AIDS. The student will be able to:		
10.01	Recognize emerging diseases and disorders	125, 126, 405-406, 451, 458, 470 (#17 and 18), 484, 598, 760, 764 (#21)

10.02	Distinguish between fact and fallacy about the transmission and treatment of diseases caused by blood borne pathogens including Hepatitis B.	199, 421, 454, 598, 430-431
10.03	Identify community resources and services available to the individuals with diseases caused by blood borne pathogens	119, 142 (#15), 191, 477
10.04	Identify "at risk" behaviors which promote the spread of diseases caused by blood borne pathogens and the public education necessary to combat the spread of these diseases	197, 421-422, 430-431, 437 (#26 and 35), 713-714
10.05	Apply infection control techniques designed to prevent the spread of diseases caused by blood borne pathogens to the care of all patients following Centers for Disease Control (CDC) guidelines	421-422, 431, 437 (#35)
10.06	Demonstrate knowledge of the legal aspects of HIV/AIDS, including testing.	128, 273
11.0 Apply basic math and science skills. The student will be able to:		
11.01	Draw, read, and report on graphs, charts and tables.	99-100, 158, 244, 245, 400-409, 531, 764 (#20 and 21), 113 (#26), 169 (#15), 216 (#20), 258 (#27), 285 (#15), 325 (#13), 412 (#19), 413 (#27 and 30), 436 (#20), 469 (#14), 586 (#16), 622 (#13), 718 (#20, 21, 23)
11.02	Measure time, temperature, distance, capacity, and mass/weight.	239, 240 (Figure 7.20), 399-400, 347-349, 241-242, 644-647, 354-356, 258 (#23, 24, 25, 26, 27), 259 (#31), 413 (#26, 27, 28)
11.03	Make, use and convert using both traditional and metric units.	239-245, 258 (#25, 26, 27), 541, 549, 551
11.04	Make estimations and approximations and judge the reasonableness of the result.	682-686, 710
11.05	Convert from regular to 24 hour time.	239, 240 (Figure 7.20), 258 (#23 and 24)
11.06	Demonstrate ability to evaluate and draw conclusions.	34 (#17), 67 (#27), 522 (#15), 670-671, 682-683, 764 (#20)

11.07	Organize and communicate the results obtained by observation and experimentation.	78, 421, 437 (#31), 651-652, 664 (#22), 672-675, 682-683, 692 (#26), 710, 765 (#22), 81-82, 381-382, 384-385
11.08	Ask appropriate scientific questions and recognize what is involved in experimental approaches to the solution of such questions	632, 692 (#19 and 20)
11.09	Calculate ratios.	286 (#27), 548-549, 551, 555 (#30 and 31), 685