GEORGIA | PEACH STATE PATHWAYS

Career, Technical, & Agricultural Education

HEALTHCARE SCIENCE

COURSE: 25.251 Introduction to Healthcare Science

UNIT: 12.1 Medical Terminology

INTRODUCTION

Annotation:

In this unit students will be introduced to the language of healthcare. They will identify basic medical abbreviation selected from a standard list, learn prefixes, suffixes, and root words. Knowledge of the prefixes, suffixes, and root words will be used to formulate medical terms and interpret terms related to the medical environment. Students will apply techniques to spelling and pronouncing medical terms correctly from a list provided in class.

Grade(s):

X	9th
X	10th
X	11th
X	12th

Time:

5 periods; this lesson may be ongoing throughout the semester

Author:

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Additional Author(s):

Students with Disabilities:

For students with disabilities, the instructor should refer to the student's IEP to be sure that the accommodations specified are being provided. Instructors should also familiarize themselves with the provisions of Behavior Intervention Plans that may be part of a student's IEP. Frequent consultation with a student's special education instructor will be beneficial in providing appropriate differentiation.

FOCUS STANDARDS

GPS Focus Standards:

HS-IHS-12:

The student will utilize the elements of medical terminology to communicate information, data and observations.

a. Interpret basic medical abbreviations selected from JCAHO's recommended abbreviations list.

b. Analyze and define medical terms utilizing common medical prefixes, suffixes, and word roots.

c. Utilize medical terminology within a scope of practice in order to interpret, transcribe, and communicate information, data and observations.

GPS Academic Standards:

ELA9RL5 – The student understands and acquires new vocabulary and uses it correctly in reading and writing.

National / Local Standards / Industry / ISTE:

UNDERSTANDINGS & GOALS

Enduring Understandings:

- Understand how medical terms are formed
- Understand the meaning of common abbreviations in healthcare
- Understand how to recognize and interrupt basic medical terminology

Essential Questions:

- What prefixes, suffixes, and root words are related to the medical arena?
- How can a student utilize and identify the use of medical terminology and abbreviations appropriately?

Knowledge from this Unit:

Skills from this Unit:

- Interpret basic medical abbreviations approved by JCAHO
- Analyze and define medical terms by using common medical prefixes, suffixes, and word roots
- Interpret medical writings and communicate information using appropriate medical terminology

ASSESSMENT(S)

Assessment Method Type:

_____ Pre-test
X Objective assessment - multiple-choice, true- false, etc.
__ Quizzes/Tests
__ Unit test
_____ Group project
_____ Individual project
_____ Self-assessment - May include practice quizzes, games, simulations, checklists, etc.
__ Self-check rubrics
__ Self-check during writing/planning process
__ Journal reflections on concepts, personal experiences and impact on one's life
__ Reflect on evaluations of work from teachers, business partners, and competition judges
__ Academic prompts
__ Practice quizzes/tests
_____ Subjective assessment/Informal observations
__ Essay tests
__ Observe students working with partners
__ Observe students role playing
_____ Peer-assessment
__ Peer editing & commentary of products/projects/presentations using rubrics
__ Peer editing and/or critiquing
_____ Dialogue and Discussion
__ Student/teacher conferences
__ Partner and small group discussions
__ Whole group discussions
__ Interaction with/feedback from community members/speakers and business partners
X Constructed Responses
__ Chart good reading/writing/listening/speaking habits
__ Application of skills to real-life situations/scenarios
_____ Post-test

Assessment(s) Title:

1. Time Abbreviation Test
2. Measurement Test
3. "What Do I Know About Medical Phrases" Test

Assessment(s) Description/Directions:

The time and measurement tests are short tests for the students to begin to lean various categories of medical terminology. Test #3 is a final test for the medical term unit.

Attachments for Assessment(s):

LEARNING EXPERIENCES

Sequence of Instruction

1. Identify the Standards. Standards should be posted in the classroom for each lesson.

HS-IHS-12: The student will utilize the elements of medical terminology to communicate information, data and observations.

ELA9RL5 – The student understands and acquires new vocabulary and uses it correctly in reading and writing.

2. Review Essential Questions.

- What prefixes, suffixes, and root words are related to the medical arena?
- How can a student utilize and identify the use of medical terminology and abbreviations appropriately?

3. Identify and review the unit vocabulary.

4. Assessment Activity.

a) Introduce Medical Terms with the multimedia presentation

b) Using Medical Abbreviations Worksheet

Directions: Abbreviations are shortened form of words, usually just letters. Abbreviations are used in healthcare to shorten directions and meaning of words.

- Fill in the missing abbreviations
- Create flash cards to learn the abbreviations
- Divide the flash cards into related categories i.e. body directional terms or liquid measurements etc.

c) Interactive Medical Terms in Word; pg 1 followed by pg 2. This is a tool that can be used for any level learner but especially with a lower level. It is an interactive activity that encourages the use of Microsoft Word to learn medical terms.

d) Practice with the index cards. Make sure students have created various stacks of cards that relate to each term, i.e. Any medical term index cards that deal with a time – put those cards together; any card/terms that deal with measurement, put those together, etc.

- Time Abbreviation Test
- Measurement Test

e) Complete Medical Term Parts worksheet. This is a worksheet that has medical terms divided into categories.

f) Rewrite Medical Phrases Worksheet. This is a worksheet to practice using medical terms using general terms to medical terms

g) Create multimedia presentation using medical terms using the various medical terms that are listed from one or more of the worksheets.

h) Present the multimedia presentations to the class.

i) Take the "What Do I Know about Medical Phrases" Test, grade using the answer sheet.

Extension

Using the websites: http://www.quia.com/shared/med/

http://www.studystack.com/category-2

http://www.rtstudents.com/rnstudents/rn-abbreviations.htm

www.medtrng.com/quia.htm (click on the link on the right side of the columns to go directly to the game)

Students can navigate through these sites to practice medical terms using flash cards, matching and other methods to learn medical terms.

Attachments for Learning Experiences:

Notes & Reflections:

- Each teacher may change and or update the worksheets to fit the needs of their class. Included are 2 worksheets that break down learning medical terms by weeks; this is for your information if you choose to use it. These two sheets are not included in the lesson plan.

CULMINATING PERFORMANCE TASK (Optional)

Culminating Unit Performance Task Title: Multimedia Game Presentation

Culminating Unit Performance Task Description/Directions/Differentiated Instruction:

Students are to use the previous worksheets and information to create a medical terminology game to present to the class. Students are to develop the rules and guideline for the game created in a multimedia presentation.

Attachments for Culminating Performance Task:

Multimedia Presentation Rubric

UNIT RESOURCES

Web Resources:

http://www.quia.com/shared/med/

http://www.studystack.com/category-2

http://www.rtstudents.com/rnstudents/rn-abbreviations.htm

www.medtrng.com/quia.htm

Attachment(s):

Materials & Equipment:

- HSTE Textbook
- Index Cards
- Medical Terminology Multimedia Presentation
- Using Medical Abbreviation Worksheet
- Interactive Med Term Word pg 1 and pg 2
- Time Abbreviation Test
- Measurement Test
- Med Term Parts Worksheet
- Medical Term Practice Worksheet
- Multimedia Presentation Rubric
- What Do I Know About Medical Terms Test
- What Do I Know About Medical Terms Answer Sheet
- Computer

What 21st Century Technology was used in this unit:

	Slide Show Software		Graphing Software		Audio File(s)
	Interactive Whiteboard		Calculator		Graphic Organizer
	Student Response System		Desktop Publishing		Image File(s)
	Web Design Software		Blog		Video
	Animation Software		Wiki		Electronic Game or Puzzle Maker
	Email	X	Website		