

## WARREN COUNTY SCHOOL DISTRICT

### PLANNED INSTRUCTION

#### **COURSE DESCRIPTION**

**Course Title:** Medical Terminology II – Discovering Word Foundations

**Course Number:** 10640

**Course Prerequisites:** Medical Terminology I

**Course Description:** Adding on the prior prerequisite course, discover the medical terminology associated with even more body systems to increase your ability to master prefixes, suffixes, and roots. Connect this language to real world patients and clinical settings through practical applications and specific scenarios. Launch your health knowledge with detailed medical terms!

**Suggested Grade Level:** Grades 9-12

**Length of Course:** One Semester

**Units of Credit:** .5

**PDE Certification and Staffing Policies and Guidelines (CSPG) Required Teacher Certifications:**

Medical Assistant Code 2207

To find the CSPG information, go to <https://www.education.pa.gov/Educators/Certification/Staffing%20Guidelines/Pages/default.aspx>

**Certification verified by the WCSD Human Resources Department:** ☒ Yes ☐ No

#### **WCSD STUDENT DATA SYSTEM INFORMATION**

**Course Level:** Academic

**Mark Types:** Check all that apply.

☒ F – Final Average ☒ MP – Marking Period ☐ EXM – Final Exam

**GPA Type:** ☐ GPAEL-GPA Elementary ☐ GPAML-GPA for Middle Level ☒ NHS-National Honor Society

☒ UGPA-Non-Weighted Grade Point Average ☒ GPA-Weighted Grade Point Average

**State Course Code:** 14154

To find the State Course Code, go to <https://nces.ed.gov/forum/sced.asp>, download the Excel file for SCED, click on SCED 6.0 tab, and chose the correct code that corresponds with the course.

#### **TEXTBOOKS AND SUPPLEMENTAL MATERIALS**

**Board Approved Textbooks, Software, and Materials:**

**Title:**

**Publisher:** Edynamic Education

**ISBN #:** Virtual Coursework

**Copyright Date:**

**WCSD Board Approval Date:** 9/14/2020

## WARREN COUNTY SCHOOL DISTRICT

### PLANNED INSTRUCTION

#### Supplemental Materials:

#### Curriculum Document

##### WCSD Board Approval:

**Date Finalized:** 8/12/2020

**Date Approved:** 9/14/2020

**Implementation Year:** 2020-2021

#### SPECIAL EDUCATION, 504, and GIFTED REQUIREMENTS

The teacher shall make appropriate modifications to instruction and assessment based on a student's Individual Education Plan (IEP), Chapter 15 Section 504 Plan (504), and/or Gifted Individual Education Plan (GIEP).

#### ASSESSMENTS

**PSSA Academic Standards, Assessment Anchors, and Eligible Content:** The teacher must be knowledgeable of the PDE Academic Standards, Assessment Anchors, and Eligible Content and incorporate them regularly into planned instruction.

**Formative Assessments:** The teacher will utilize a variety of assessment methods to conduct in-process evaluations of student learning.

**Effective formative assessments for this course include:** Quizzes, homework, discussions

**Summative Assessments:** The teacher will utilize a variety of assessment methods to evaluate student learning at the end of an instructional task, lesson, and/or unit.

**Effective summative assessments for this course include:** unit assessments and semester exams

## Course Syllabus

### Medical Terminology II: Discovering Word Foundations

Adding on the prior prerequisite course, discover the medical terminology associated with even more body systems to increase your ability to master prefixes, suffixes, and roots. Connect this language to real world patients and clinical settings through practical applications and specific scenarios. Launch your health knowledge with detailed medical terms!

#### Unit 1: Waste Away! The Urinary System

As the body takes in the materials that it needs, there has to be a way to get rid of the materials it doesn't need. When we explore the urinary system, we'll find out how this happens. We'll also look at the word parts, terms, and abbreviations that are commonly used to relay information about this system. As with any complicated system, things can go wrong, so we'll discuss diseases that affect the urinary system and ways to treat them. Come along as we keep what's good and waste the rest!

##### What will you learn in this unit?

- Describe the organs of the urinary system and how each functions
- Identify commonly used prefixes, suffixes, and word parts of the urinary system
- Define common conditions and diseases that affect the urinary system
- Explain tests and procedures used in treating urinary system conditions
- Translate medical documentation using abbreviations and medical terminology of the urinary system

##### Unit 1 Assignments

Assignment	Type
Unit 1 Critical Thinking Questions	Homework
Unit 1 Lab	Homework
Unit 1 Activity	Homework
Unit 1 Discussion 1	Discussion
Unit 1 Discussion 2	Discussion
Unit 1 Quiz	Quiz

#### Unit 2: Creating the Future: The Reproductive System

What makes a male different from a female? As we explore the reproductive system, we'll learn about the many organs that make these two very different! We'll improve our translation skills as we look at word parts and abbreviations related to this system. We will also explore the diseases and conditions related to this system and the many ways to treat them. The world of medical terminology is a big one, let's put together another piece of the puzzle!

##### What will you learn in this unit?

- Describe organs of the reproductive system and their functions
- Identify prefixes, suffixes, and combining forms related to the reproductive system
- Define common diseases and conditions that affect the reproductive system
- Explain tests, treatments, and procedures used to treat conditions affecting the reproductive system
- Translate medical terms and abbreviations related to the reproductive system

#### Unit 2 Assignments

Assignment	Type
Unit 2 Critical Thinking Questions	Homework
Unit 2 Lab	Homework
Unit 2 Activity	Homework
Unit 2 Discussion 1	Discussion
Unit 2 Discussion 2	Discussion
Unit 2 Quiz	Quiz

#### Unit 3: Carry It, Clean It, Fight It: Blood, Lymph, and Immune Systems

What does blood do other than fill the vessels? What's it made of? How does the body defend itself against invaders? The answers to these questions lie in the exploration of the blood, lymphatic, and immune systems. These systems are so connected we explore them together! During our exploration, we'll discover diseases and conditions as well as treatments and tests for these systems. We'll also add another piece to our medical terminology puzzle as we learn word parts, terms, and abbreviations. Let's see how the body transports, cleans, and defends!

#### What will you learn in this unit?

- Describe the parts and organs of the blood, lymphatic, and immune systems
- Identify prefixes, suffixes, and combining forms related to the blood, lymphatic, and immune systems
- Define conditions and treatments that affect the blood, lymphatic, and immune systems
- Explain the tests, treatments, and procedures related to the blood, lymphatic, and immune systems
- Translate medical documents using medical terminology and abbreviations related to the blood, lymphatic, and immune systems

#### Unit 3 Assignments

Assignment	Type
Unit 3 Critical Thinking Questions	Homework
Unit 3 Lab	Homework
Unit 3 Activity	Homework
Unit 3 Discussion 1	Discussion
Unit 3 Discussion 2	Discussion
Unit 3 Quiz	Quiz

## Unit 4: Superpowers? No, Special Senses!

The abilities to see and to hear are remarkable characteristics that allow us to perceive the world differently. These special senses are a lot like superpowers in that they allow us to analyze our surroundings in many ways. As we dig deeper into these senses, we'll see the conditions and treatments as well as the terminology used to refer to the eyes and ears. As we add this piece of the medical terminology puzzle, we'll see what kind of powers we really have!

### What will you learn in this unit?

- Describe the organs and parts that make up the special senses
- Recognize prefixes, suffixes, and combining forms used to make medical terms related to the special senses
- Identify conditions and diseases that impact the special senses
- Explain the tests, procedures, and treatments used in diagnosis and treatment of conditions of the special senses
- Transcribe, translate, and abbreviate medical terminology related to the special senses

### Unit 4 Assignments

Assignment	Type
Unit 4 Critical Thinking Questions	Homework
Unit 4 Lab	Homework
Unit 4 Activity	Homework
Unit 4 Discussion 1	Discussion
Unit 4 Discussion 2	Discussion
Unit 4 Quiz	Quiz

### Medical Terminology 1b Midterm Exam

- Review information acquired and mastered from this course up to this point.
- Take a course exam based on material from the first four units in this course (Note: You will be able to open this exam only one time.)

### Midterm Assignments

Assignment	Type
Midterm Exam	Exam
Midterm Discussion	Discussion

## Unit 5: Take What's Needed, Let the Rest Go: The Digestive System

For humans, food is one of the essential elements needed to survive, but what does the body do with that food once we take it in? We'll now find out by tracking the course of food through the digestive system to discover the organs and the parts of those organs that make them work properly. We'll see the many word parts and abbreviations that are used to describe this system, as well as its conditions, diseases, tests, and treatments. This journey takes many twists and turns, let's start the adventure!

### What will you learn in this unit?

- Describe the organs and functions of the digestive system
- Recognize the prefixes, suffixes, and combining forms used to describe terms related to the digestive system
- Identify conditions and diseases that impact the digestive system
- Explain tests, procedures, and treatments used for the diagnosis and treatment of digestive system disorders
- Translate and abbreviate documentation related to the digestive system

#### Unit 5 Assignments

Assignment	Type
Unit 5 Critical Thinking Questions	Homework
Unit 5 Lab	Homework
Unit 5 Activity	Homework
Unit 5 Discussion 1	Discussion
Unit 5 Discussion 2	Discussion
Unit 5 Quiz	Quiz

### Unit 6: Taking Control! The Endocrine System

Have you ever wondered what controls the processes in the body? What makes one thing speed up but later slow down? The answer to these questions is found in the study of the endocrine system. As we explore this complicated world, we'll investigate the conditions and diseases that occur when things go wrong. We'll also discover the tools, tests, and treatments to fix those conditions. Before we finish our exploration, we'll become familiar with the medical language and abbreviations unique to the endocrine system. Let's find out how the body takes control!

### What will you learn in this unit?

- Describe the organs of the endocrine system, including their functions
- Recognize and use prefixes, suffixes, and combining forms related to the endocrine system
- Define common diseases and conditions of the endocrine system
- Explain the tools, tests, and treatments used for diseases and conditions of the endocrine system
- Translate medical terms and abbreviations related to the endocrine system

#### Unit 6 Assignments

Assignment	Type
Unit 6 Critical Thinking Questions	Homework
Unit 6 Lab	Homework
Unit 6 Activity	Homework
Unit 6 Discussion 1	Discussion
Unit 6 Discussion 2	Discussion

**Unit 7: Providing the Foundation: Medical Specialties**

As we've seen, the body is made of multiple, complex body systems that require vast knowledge to diagnose and treat. To provide the services needed for the diagnosis and treatments of many conditions, medical specialties rise to the occasion! We'll now explore the prefixes, suffixes, combining forms, and abbreviations that create the medical terminology for these areas. We'll also identify the tests, procedures, and treatments provided by each area. Let's discover the areas that give support and provide a firm foundation for the medical world!

**What will you learn in this unit?**

- Describe the functions of specialty areas like pharmacology, psychiatry, oncology, genetics, radiology, and pathology
- Recognize prefixes, suffixes, and combining forms used in pharmacology, psychiatry, oncology, genetics, radiology, and pathology
- Identify conditions and diseases diagnosed and treated by pharmacology, psychiatry, oncology, genetics, radiology, and pathology
- Explain tools, procedures, and treatments used by pharmacology, psychiatry, oncology, genetics, radiology, and pathology
- Translate medical documents that include medical terminology and abbreviations used by pharmacology, psychiatry, oncology, genetics, radiology, and pathology

**Unit 7 Assignments**

Assignment	Type
Unit 7 Critical Thinking Questions	Homework
Unit 7 Lab	Homework
Unit 7 Activity	Homework
Unit 7 Discussion 1	Discussion
Unit 7 Discussion 2	Discussion
Unit 7 Quiz	Quiz

**Unit 8: Putting It Together: A Healthcare Perspective**

As we've seen throughout our explorations of the various body systems, each has its own set of conditions, tests, treatments, and medical language. When working in the medical world, those systems aren't always separate. In many cases, patients have complex issues that cross boundaries and require knowledge of all body systems. Let's now follow a few patients and see things from a healthcare perspective!

**What will you learn in this unit?**

- Identify medical terminology of the respiratory, cardiovascular, integumentary, digestive, urinary, reproductive, musculoskeletal, blood, immune, nervous, and special senses systems

- Break down medical terms of the respiratory, cardiovascular, integumentary, digestive, urinary, reproductive, musculoskeletal, blood, immune, nervous, and special senses systems into parts using your knowledge of prefixes, suffixes, and combining forms
- Translate medical documents of the respiratory, cardiovascular, integumentary, digestive, urinary, reproductive, musculoskeletal, blood, immune, nervous, and special senses systems using knowledge of abbreviations and medical terminology
- Recognize organs of the respiratory, cardiovascular, integumentary, digestive, urinary, reproductive, musculoskeletal, blood, immune, nervous, and special senses systems
- Understand tools, treatments, and tests used for diseases and disorders of the respiratory, cardiovascular, integumentary, digestive, urinary, reproductive, musculoskeletal, blood, immune, nervous, and special senses systems

#### Unit 8 Assignments

Assignment	Type
Unit 8 Critical Thinking Questions	Homework
Unit 8 Lab	Homework
Unit 8 Activity	Homework
Unit 8 Discussion 1	Discussion
Unit 8 Discussion 2	Discussion
Unit 8 Quiz	Quiz

#### Medical Terminology 1b Final Exam

- Review information acquired and mastered from this course up to this point.
- Take a course exam based on material from units' five to eight in this course – the last four units. (Note: You will be able to open this exam only one time.)

#### Final Assignments

Assignment	Type
Final Exam	Exam
Final Exam Discussion	Discussion