

uCertify

# Course Outline

**TEAS REVIEW Third Edition**



09 May 2024

1. Pre-Assessment
2. Exercises, Quizzes, Flashcards & Glossary  
Number of Questions
3. Expert Instructor-Led Training
4. ADA Compliant & JAWS Compatible Platform
5. State of the Art Educator Tools
6. Award Winning Learning Platform (LMS)
7. Chapter & Lessons  
Syllabus  
Chapter 1: Introduction  
Chapter 2: Text Structures and Writing Styles  
Chapter 3: Topic  
Chapter 4: Main Idea  
Chapter 5: Identifying Purpose  
Chapter 6: Identifying Details  
Chapter 7: Making Inferences and Drawing Conclusions  
Chapter 8: Fact vs. Opinion  
Chapter 9: Point of View and Evaluating an Argument  
Chapter 10: Text Features and Sources  
Chapter 11: Evaluating and Integrating Data  
Chapter 12: Comparing and Contrasting Themes  
Chapter 13: Vocabulary  
Chapter 14: Basic Operations  
Chapter 15: Fractions  
Chapter 16: Decimals  
Chapter 17: Percentages  
Chapter 18: Converting Fractions, Decimals, and Percentages  
Chapter 19: Ratios and Proportions

Chapter 20: Algebra  
Chapter 21: Word Problems  
Chapter 22: Geometry  
Chapter 23: Measurements and Conversions  
Chapter 24: Data Interpretation  
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Chapter 28: The Endocrine System  
Chapter 29: The Cardiovascular System  
Chapter 30: The Respiratory System  
Chapter 31: The Digestive System  
Chapter 32: The Genitourinary System  
Chapter 33: The Immune System  
Chapter 34: The Integumentary System  
Chapter 35: The Reproductive System  
Chapter 36: Macromolecules  
Chapter 37: The Cell  
Chapter 38: DNA and RNA  
Chapter 39: Genetics  
Chapter 40: The Atom  
Chapter 41: The Periodic Table  
Chapter 42: Chemistry  
Chapter 43: Parts of Speech  
Chapter 44: Subject-Verb Agreement  
Chapter 45: Verb Tenses  
Chapter 46: Pronouns  
Chapter 47: Sentence Structure

Chapter 48: Spelling

Chapter 49: Capitalization

Chapter 50: Punctuation

Chapter 51: The Writing Process

Chapter 52: Vocabulary

Videos and How To

## 8. Practice Test

Here's what you get

Features

## 1. Pre-Assessment

Pre-Assessment lets you identify the areas for improvement before you start your prep. It determines what students know about a topic before it is taught and identifies areas for improvement with question assessment before beginning the course.

## 2. Exercises

There is no limit to the number of times learners can attempt these. Exercises come with detailed remediation, which ensures that learners are confident on the topic before proceeding.

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EXERCISES

## 3. Quizzes

Quizzes test your knowledge on the topics of the exam when you go through the course material. There is no limit to the number of times you can attempt it.



#### 4. Expert Instructor-Led Training

uCertify uses the content from the finest publishers and only the IT industry's finest instructors. They have a minimum of 15 years real-world experience and are subject matter experts in their fields. Unlike a live class, you can study at your own pace. This creates a personal learning experience and gives you all the benefit of hands-on training with the flexibility of doing it around your schedule 24/7.

#### 5. ADA Compliant & JAWS Compatible Platform

uCertify course and labs are ADA (Americans with Disability Act) compliant. It is now more accessible to students with features such as:

- Change the font, size, and color of the content of the course
- Text-to-speech, reads the text into spoken words
- Interactive videos, how-tos videos come with transcripts and voice-over
- Interactive transcripts, each word is clickable. Students can clip a specific part of the video by clicking on a word or a portion of the text.

JAWS (Job Access with Speech) is a computer screen reader program for Microsoft Windows that reads the screen either with a text-to-speech output or by a Refreshable Braille display. Student can easily navigate uCertify course using JAWS shortcut keys.

#### 6. State of the Art Educator Tools

uCertify knows the importance of instructors and provide tools to help them do their job effectively. Instructors are able to clone and customize course. Do ability grouping. Create sections. Design grade scale and grade formula. Create and schedule assessments. Educators can also move a student from self-paced to mentor-guided to instructor-led mode in three clicks.

## 7. Award Winning Learning Platform (LMS)

uCertify has developed an award winning, highly interactive yet simple to use platform. The SIIA CODiE Awards is the only peer-reviewed program to showcase business and education technology's finest products and services. Since 1986, thousands of products, services and solutions have been recognized for achieving excellence. uCertify has won CODiE awards consecutively for last 7 years:

- **2014**

1. Best Postsecondary Learning Solution

- **2015**

1. Best Education Solution
2. Best Virtual Learning Solution
3. Best Student Assessment Solution
4. Best Postsecondary Learning Solution
5. Best Career and Workforce Readiness Solution
6. Best Instructional Solution in Other Curriculum Areas
7. Best Corporate Learning/Workforce Development Solution

- **2016**

1. Best Virtual Learning Solution
2. Best Education Cloud-based Solution
3. Best College and Career Readiness Solution
4. Best Corporate / Workforce Learning Solution
5. Best Postsecondary Learning Content Solution
6. Best Postsecondary LMS or Learning Platform
7. Best Learning Relationship Management Solution

- **2017**

1. Best Overall Education Solution
2. Best Student Assessment Solution
3. Best Corporate/Workforce Learning Solution
4. Best Higher Education LMS or Learning Platform

- **2018**

1. Best Higher Education LMS or Learning Platform
2. Best Instructional Solution in Other Curriculum Areas
3. Best Learning Relationship Management Solution

- **2019**

1. Best Virtual Learning Solution
2. Best Content Authoring Development or Curation Solution
3. Best Higher Education Learning Management Solution (LMS)

- **2020**

1. Best College and Career Readiness Solution
2. Best Cross-Curricular Solution
3. Best Virtual Learning Solution

## 8. Chapter & Lessons

uCertify brings these textbooks to life. It is full of interactive activities that keeps the learner engaged. uCertify brings all available learning resources for a topic in one place so that the learner can efficiently learn without going to multiple places. Challenge questions are also embedded in the chapters so learners can attempt those while they are learning about that particular topic. This helps them grasp the concepts better because they can go over it again right away which improves learning.

Learners can do Flashcards, Exercises, Quizzes and Labs related to each chapter. At the end of every lesson, uCertify courses guide the learners on the path they should follow.

## Syllabus

## Chapter 1: Introduction

- TEAS OVERVIEW
- HOW TO USE THIS COURSE
- TEST INFORMATION AND REGISTRATION
- TEST-TAKING TIPS
- ON THE DAY OF THE ACTUAL EXAM

## Chapter 2: Text Structures and Writing Styles

- TYPES OF WRITING
- RHETORICAL INTENT
- TEXT STRUCTURE

## Chapter 3: Topic

- Topic

## Chapter 4: Main Idea

- Main Idea

## Chapter 5: Identifying Purpose



- Identifying Purpose

## Chapter 6: Identifying Details

- Identifying Details

## Chapter 7: Making Inferences and Drawing Conclusions

- Making Inferences and Drawing Conclusions

## Chapter 8: Fact vs. Opinion

- Fact vs. Opinion

## Chapter 9: Point of View and Evaluating an Argument

- POINT OF VIEW
- TONE
- EVALUATING AN ARGUMENT

## Chapter 10: Text Features and Sources

- TEXT FEATURES
- SOURCES

## Chapter 11: Evaluating and Integrating Data

- Evaluating and Integrating Data

## Chapter 12: Comparing and Contrasting Themes

- Comparing and Contrasting Themes

## Chapter 13: Vocabulary

- Vocabulary

## Chapter 14: Basic Operations

- MULTIPLICATION TABLES
- ESTIMATING AND ROUNDING
- ORDER OF OPERATIONS

## Chapter 15: Fractions

- WORKING WITH FRACTIONS
- COMPARING FRACTIONS
- ADDITION
- SUBTRACTION
- MULTIPLICATION

- DIVISION
- FRACTION SUMMARY

## Chapter 16: Decimals

- WORKING WITH DECIMALS
- COMPARING DECIMALS
- ADDITION AND SUBTRACTION
- MULTIPLICATION
- DIVISION

## Chapter 17: Percentages

- CALCULATING PERCENTAGES
- PERCENTAGE INCREASE OR DECREASE

## Chapter 18: Converting Fractions, Decimals, and Percentages

- DECIMALS AND PERCENTAGES
- FRACTIONS AND DECIMALS
- FRACTIONS AND PERCENTAGES
- CONVERSION CHART

- WORD PROBLEMS

## Chapter 19: Ratios and Proportions

- RATE OF CHANGE

## Chapter 20: Algebra

- SIMPLIFYING EXPRESSIONS
- FOIL
- SOLVING EQUATIONS
- SOLVING INEQUALITIES
- ABSOLUTE VALUE EQUATIONS

## Chapter 21: Word Problems

- WRITING EXPRESSIONS
- WRITING EQUATIONS
- WRITING INEQUALITIES
- SOLVING ALGEBRA WORD PROBLEMS

## Chapter 22: Geometry

- PERIMETER
- CIRCUMFERENCE
- AREA

## Chapter 23: Measurements and Conversions

- ENGLISH SYSTEM CONVERSIONS
- METRIC SYSTEM CONVERSIONS
- CONVERSIONS BETWEEN SYSTEMS
- MEASUREMENT TOOLS

## Chapter 24: Data Interpretation

- READING GRAPHS
- DEPENDENT AND INDEPENDENT VARIABLES
- COVARIANCE
- MEASURES OF CENTRAL TENDENCY
- RANGE
- DATA DISTRIBUTION

## Chapter 25: Scientific Reasoning

- DESIGNING AN EXPERIMENT
- CRITIQUING AN EXPERIMENT
- SCIENTIFIC TOOLS AND MEASUREMENT

## Chapter 26: The Skeletal System

- STRUCTURE
- SUPPORT AND MOVEMENT
- PROTECTION
- BLOOD CELL PRODUCTION
- MINERAL STORAGE AND REGULATION
- FRACTURES
- DISORDERS AND DISEASES OF THE SKELETAL SYSTEM

## Chapter 27: The Neuromuscular System

- MOVEMENT: THE MUSCULAR SYSTEM
- COORDINATION: THE NERVOUS SYSTEM
- DISORDERS AND DISEASES OF THE NEUROMUSCULAR SYSTEM

## Chapter 28: The Endocrine System

- REGULATING HORMONES
- REGULATING ENDOCRINE GLANDS
- DISORDERS AND DISEASES OF THE ENDOCRINE SYSTEM

## Chapter 29: The Cardiovascular System

- TRANSPORT: BLOOD
- CIRCULATION: THE HEART
- DISORDERS AND DISEASES OF THE CARDIOVASCULAR SYSTEM

## Chapter 30: The Respiratory System

- PULMONARY VENTILATION
- EXTERNAL RESPIRATION
- INTERNAL RESPIRATION
- OTHER FUNCTIONS OF THE RESPIRATORY SYSTEM
- DISORDERS AND DISEASES OF THE RESPIRATORY SYSTEM

## Chapter 31: The Digestive System

- MECHANICAL AND CHEMICAL DIGESTION
- ABSORPTION OF NUTRIENTS

- ELIMINATION OF WASTES
- DISORDERS AND DISEASES OF THE DIGESTIVE SYSTEM

## Chapter 32: The Genitourinary System

- FILTERING THE BLOOD
- REGULATING BLOOD PRESSURE
- REGULATING OSMOTIC CONCENTRATION
- ADJUSTING BLOOD PH
- DISORDERS AND DISEASES OF THE GENITOURINARY SYSTEM

## Chapter 33: The Immune System

- PATHOGEN TRANSMISSION
- WHITE BLOOD CELLS
- INNATE IMMUNITY
- ADAPTIVE IMMUNITY
- THE LYMPHATIC SYSTEM
- DISORDERS AND DISEASES OF THE IMMUNE SYSTEM

## Chapter 34: The Integumentary System



- PROTECTION
- MAINTAINING HOMEOSTASIS
- COMMUNICATION
- DISORDERS AND DISEASES OF THE INTEGUMENTARY SYSTEM

## Chapter 35: The Reproductive System

- MALE REPRODUCTIVE ORGANS
- FEMALE REPRODUCTIVE ORGANS
- GAMETE PRODUCTION AND TRANSPORTATION
- HORMONE PRODUCTION
- FETAL DEVELOPMENT
- DISORDERS AND DISEASES OF THE REPRODUCTIVE SYSTEM

## Chapter 36: Macromolecules

- PROTEINS
- CARBOHYDRATES
- LIPIDS
- NUCLEIC ACIDS

## Chapter 37: The Cell

- CELLS AND LIFE
- PROKARYOTE AND EUKARYOTE CELLS
- PARTS OF THE CELL
- PLANT CELLS
- CELL REPRODUCTION

## Chapter 38: DNA and RNA

- FUNCTIONS
- CHROMOSOMES, AMINO ACIDS, AND PROTEINS
- NUCLEIC ACIDS
- NITROGENOUS BASES
- PURINES AND PYRIMIDINES
- BASE PAIRS
- DIFFERENCES BETWEEN DNA AND RNA
- TRANSCRIPTION
- TRANSLATION

## Chapter 39: Genetics

- CHROMOSOMES AND GENES
- ALLELES
- PHENOTYPES AND GENOTYPES
- MENDEL
- PUNNETT SQUARES
- MONOHYBRID INHERITANCE
- DIHYBRID INHERITANCE

#### Chapter 40: The Atom

- ATOMIC COMPONENTS
- ATOMIC NUMBER AND MASS NUMBER
- ISOTOPES
- ATOMIC CHARGE/IONS

#### Chapter 41: The Periodic Table

- READING THE PERIODIC TABLE
- PERIODS AND GROUPS
- ATOMIC RADII

- IONIZATION POTENTIAL AND ELECTRONEGATIVITY
- ORBITALS

## Chapter 42: Chemistry

- STATES OF MATTER
- PROPERTIES OF MATTER
- CHEMICAL BONDS
- CHEMICAL SOLUTIONS
- CHEMICAL REACTIONS
- ACIDS AND BASES
- BALANCING CHEMICAL EQUATIONS

## Chapter 43: Parts of Speech

- SUBJECTS AND VERBS
- NOUNS AND PRONOUNS
- ADJECTIVES AND ADVERBS
- CONJUNCTIONS, ARTICLES, AND PREPOSITIONS
- INTERJECTIONS

## Chapter 44: Subject-Verb Agreement

- Subject-Verb Agreement

## Chapter 45: Verb Tenses

- SIMPLE TENSES
- PROGRESSIVE TENSES
- PERFECT TENSES
- PERFECT PROGRESSIVE TENSES

## Chapter 46: Pronouns

- PRONOUN FORMS
- GENDER AND NUMBER
- RELATIVE PRONOUNS

## Chapter 47: Sentence Structure

- SIMPLE SENTENCES
- SUBORDINATING CONJUNCTIONS
- COMPLEX SENTENCES
- COMPOUND SENTENCES

- SENTENCE FRAGMENTS
- RUN-ON SENTENCES
- DICTION

## Chapter 48: Spelling

- VOWEL SOUNDS
- CONSONANTS
- ADDING SUFFIXES
- CREATING PLURALS
- HOMOPHONES
- HOMOGRAPHS

## Chapter 49: Capitalization

- PUBLICATION TITLES
- INDIVIDUAL NAMES
- PROFESSIONAL TITLES
- GEOGRAPHIC LOCATIONS AND EVENT NAMES
- ORGANIZATIONS

- MONTHS, DAYS, AND HOLIDAYS

## Chapter 50: Punctuation

- PERIODS, QUESTION MARKS, AND EXCLAMATION POINTS
- DEPENDENT AND INDEPENDENT CLAUSES
- COMMAS, SEMICOLONS, AND COLONS
- APOSTROPHES AND HYPHENS
- QUOTATION MARKS

## Chapter 51: The Writing Process

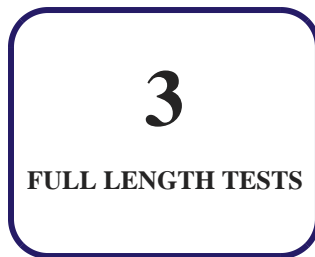
- PREWRITING TECHNIQUES
- PARAGRAPH ORGANIZATION
- CITATIONS

## Chapter 52: Vocabulary

- SYNONYMS
- CONTEXT CLUES
- WORD ORIGINS

## 9. Practice Test

Here's what you get



### Features

Each question comes with detailed remediation explaining not only why an answer option is correct but also why it is incorrect.

#### Unlimited Practice

Each test can be taken unlimited number of times until the learner feels they are prepared. Learner can review the test and read detailed remediation. Detailed test history is also available.

Each test set comes with learn, test and review modes. In learn mode, learners will attempt a question and will get immediate feedback and complete remediation as they move on to the next question. In test mode, learners can take a timed test simulating the actual exam conditions. In review mode, learners can read through one item at a time without attempting it.

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