uCertify

Course Outline

TEAS REVIEW Third Edition

20 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
Chapter 25: Scientific Reasoning
Chapter 26: The Skeletal System
Chapter 27: The Neuromuscular System
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.

3. Quiz

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

3

FULL LENGTH TESTS

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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