

Table of Contents

SUBAREA I. READING AND COMMUNICATIONS

COMPETENCY 1.0 IDENTIFY A WRITER’S POINT OF VIEW AND INTENDED MEANING 1

Skill 1.1 Identify the statement that best expresses the main idea of a paragraph or passage. 1

Skill 1.2 Recognize ideas that support, illustrate, or elaborate the main idea of a paragraph or passage.2

Skill 1.3 Use the content, word choice, and phrasing of a passage to determine a writer's opinions or point of view3

COMPETENCY 2.0 ANALYZE THE RELATIONSHIP AMONG IDEAS IN WRITTEN MATERIAL..... 5

Skill 2.1 Identify the sequence of events or steps presented in technical, scientific, or research material.5

Skill 2.2 Identify cause-effect relationships from information in a passage.....5

Skill 2.3 Analyze relationships between ideas in opposition 6

Skill 2.4 Identify a solution to a problem presented in a passage.....8

Skill 2.5 Draw conclusions inductively and deductively from information stated or implied in a passage.8

TEACHER CERTIFICATION STUDY GUIDE

COMPETENCY 3.0 USE CRITICAL REASONING SKILLS TO EVALUATE WRITTEN MATERIAL..... 10

Skill 3.1	Draw valid conclusions using information from written communications.	10
Skill 3.2	Recognize the stated or implied assumptions on which the validity of an argument depends.....	11
Skill 3.3	Determine the relevance or importance of particular facts, examples, or graphic data to a writer's argument.	12
Skill 3.4	Use inductive and deductive reasoning to recognize fallacies in the logic of a writer's argument.....	13
Skill 3.5	Evaluate the validity of analogies used in written material.....	15
Skill 3.6	Distinguish between fact and opinion in written material.	16
Skill 3.7	Assess the credibility, objectivity, or bias of the writer or source of written material.	17

COMPETENCY 4.0 RECOGNIZE THE ROLES OF PURPOSE AND AUDIENCE IN WRITTEN COMMUNICATION..... 20

Skill 4.1	Recognize a writer's stated or implied purpose for writing.....	20
Skill 4.2	Evaluate the appropriateness of written material for a specific purpose or audience.....	21
Skill 4.3	Recognize the likely effect on an audience of a writer's choice of a particular word or words	22

COMPETENCY 5.0 RECOGNIZE UNITY, FOCUS, AND DEVELOPMENT IN WRITING..... 23

Skill 5.1	Recognize unnecessary shifts in point of view or distracting details that impair the development of the main idea in a piece of writing	23
Skill 5.2	Recognize revisions that improve the unity and focus of a piece of writing.	23
Skill 5.3	Recognize examples of well-developed writing.	25

TEACHER CERTIFICATION STUDY GUIDE

SUBAREA II.

COMMUNICATION SKILLS

COMPETENCY 6.0 RECOGNIZE EFFECTIVE ORGANIZATION IN WRITING..... 27

Skill 6.1 Recognize methods of paragraph organization. 27

Skill 6.2 Reorganize sentences to improve cohesion and the effective sequence of ideas. 28

Skill 6.3 Recognize the appropriate use of transitional words or phrases to convey text structure 29

COMPETENCY 7.0 RECOGNIZE SENTENCES THAT EFFECTIVELY COMMUNICATE INTENDED MESSAGES..... 31

Skill 7.1 Recognize ineffective repetition and inefficiency in sentence construction. 31

Skill 7.2 Identify effective placement of modifiers, parallel structure, and use of negatives in sentence formation. 37

Skill 7.3 Recognize imprecise and inappropriate word choices..... 45

TEACHER CERTIFICATION STUDY GUIDE

COMPETENCY 8.0	RECOGNIZE STANDARD CONVENTIONS OF FORMAL WRITTEN ENGLISH USAGE IN THE UNITED STATES.....	54
Skill 8.1	Recognize the standard use of verb forms.	54
Skill 8.2	Recognize the standard use of pronouns.	61
Skill 8.3	Recognize the standard formation and use of adverbs, adjectives, comparatives and superlatives, and plural and possessive forms of nouns.....	69
Skill 8.4	Recognize standard punctuation.	74
Skill 8.5	Identify sentence fragments and run-on sentences	81
Skill 8.6	Identify standard subject-verb agreement.	88
Sample Test: Reading	.....	91
Answer Key: Reading	.....	98
Answers with Rationale: Reading	.....	99
Sample Test: Communication Skills	.....	102
Answer Key: Communication Skills	.....	111
Answers with Rationale: Communication Skills	.....	112

TEACHER CERTIFICATION STUDY GUIDE

SUBAREA III.

MATHEMATICS

**COMPETENCY 9.0 SOLVE PROBLEMS INVOLVING DATA
INTERPRETATION AND ANALYSIS 117**

Skill 9.1 Interpret information from line graphs, bar graphs, histograms,
pictographs, and pie charts. 117

Skill 9.2 Interpret data from tables. 121

**COMPETENCY 10.0 APPLY MATHEMATICAL REASONING SKILLS TO
ANALYZE PATTERNS AND SOLVE PROBLEMS 123**

Skill 10.1 Draw conclusions using inductive reasoning. 123

Skill 10.2 Draw conclusions using deductive reasoning. 126

**COMPETENCY 11.0 SOLVE APPLIED PROBLEMS USING A
COMBINATION OF MATHEMATICAL SKILLS 129**

Skill 11.1 Apply combinations of algebraic skills to solve problems. 129

Skill 11.2 Apply combinations of mathematical skills to solve a series of
related problems. 129

Skill 11.3 Identify the algebraic equivalent of a stated relationship. 138

Skill 11.4 Identify the proper equation or expression to solve word problems
involving one and two variables. 140

TEACHER CERTIFICATION STUDY GUIDE

SUBAREA IV.	COMPUTATION SKILLS
COMPETENCY 12.0 SOLVE WORD PROBLEMS INVOLVING INTEGERS, FRACTIONS, DECIMALS, AND UNITS OF MEASUREMENT.	145
Skill 12.1 Solve word problems involving integers, fractions, and decimals	145
Skill 12.2 Solve word problems involving ratio and proportions.	148
Skill 12.3 Solve word problems involving units of measurement and conversions	151
COMPETENCY 13.0 GRAPH AND SOLVE ALGEBRAIC EQUATIONS WITH ONE AND TWO VARIABLES.....	153
Skill 13.1 Graph numbers or number relationships.	153
Skill 13.2 Find the value of the unknown in a given one-variable equation.....	159
Skill 13.3 Express one variable in terms of a second variable in two-variable equations.....	159
COMPETENCY 14.0 SOLVE PROBLEMS INVOLVING GEOMETRIC FIGURES.	160
Skill 14.1 Solve problems involving two-dimensional geometric figures.....	160
Skill 14.2 Solve problems involving three-dimensional geometric figures ...	167
Sample Test: Mathematics and Computation Skills	171
Answer Key: Mathematics and Computation Skills.....	181
Answers with Rationale: Mathematics and Computation Skills	182

TEACHER CERTIFICATION STUDY GUIDE

SUBAREA V.LIBERAL STUDIES: SCIENCE, ART AND LITERATURE, SOCIAL SCIENCES

COMPETENCY 15.0 UNDERSTAND AND ANALYZE MAJOR SCIENTIFIC PRINCIPLES, CONCEPTS, AND THEORIES, AND APPLY SKILLS, PRINCIPLES, AND PROCEDURES ASSOCIATED WITH SCIENTIFIC INQUIRY..... 186

Skill 15.1 Analyze the nature of scientific thought and inquiry. 186

Skill 15.2 Use an appropriate illustration or physical model to represent a scientific theory or concept. 192

Skill 15.3 Relate major scientific principles, concepts, or theories to everyday phenomena. 193

Skill 15.4 Apply scientific methods and principles to assess real-world questions or problems. 193

COMPETENCY 16.0 UNDERSTAND AND ANALYZE THE HISTORICAL DEVELOPMENT AND CULTURAL CONTEXTS OF SCIENCE AND TECHNOLOGY AND THE IMPACT OF SCIENCE ON SOCIETY. 196

Skill 16.1 Analyze the historical development and impact of key scientific ideas and discoveries. 196

Skill 16.2 Evaluate factors that have promoted or hindered developments in science and technology. 199

Skill 16.3 Assess the implications of recent developments in science and technology. 203

TEACHER CERTIFICATION STUDY GUIDE

COMPETENCY 17.0 UNDERSTAND, INTERPRET, AND COMPARE REPRESENTATIONS FROM THE VISUAL AND PERFORMING ARTS FROM DIFFERENT PERIODS AND CULTURES, AND UNDERSTAND THE RELATIONSHIP OF WORKS OF ART TO THEIR SOCIAL AND HISTORICAL CONTEXTS..... 207

Skill 17.1 Identify and evaluate major historical and contemporary developments and movements in the arts. 207

Skill 17.2 Interpret and compare representations of works of art from different periods and cultures in terms of form, subject, theme, mood, or technique. 222

Skill 17.3 Analyze ways in which the content of a given work of art reflects or influences a specific social or historical context. 227

COMPETENCY 18.0 UNDERSTAND, INTERPRET, AND COMPARE EXAMPLES OF LITERATURE FROM DIFFERENT PERIODS AND CULTURES, AND UNDERSTAND THE RELATIONSHIP OF WORKS OF LITERATURE TO THEIR SOCIAL AND HISTORICAL CONTEXTS..... 230

Skill 18.1 Identify and evaluate major historical and contemporary developments and movements in world literature. 230

Skill 18.2 Interpret and compare works of literature from different periods and cultures in terms of form, subject, theme, mood, or technique. ... 238

Skill 18.3 Analyze ways in which the content of a given work of literature reflects or influences a specific social or historical context. 239

TEACHER CERTIFICATION STUDY GUIDE

COMPETENCY 19.0 UNDERSTAND AND ANALYZE THE MAJOR POLITICAL, SOCIAL, ECONOMIC, SCIENTIFIC, AND CULTURAL DEVELOPMENTS THAT SHAPED THE COURSE OF HISTORY. 240

- Skill 19.1 Demonstrate an understanding of the principal characteristics and important cultural values of the major civilizations of Asia, Africa, Europe, and the Americas. 240
- Skill 19.2 Evaluate the influence of varied ideas, movements, and historical developments on Western religious, artistic, scientific, and political ideas and beliefs 245
- Skill 19.3 Analyze the major causes of varied historical developments and evaluate their impact on the politics and culture of the modern world. 249
- Skill 19.4 Demonstrate knowledge of the major political movements of the twentieth century and analyze their influence on contemporary societies 264
- Skill 19.5 Demonstrate an understanding of significant individuals, movements, ideas, and conflicts that have shaped U.S. history and culture. 276

COMPETENCY 20.0 UNDERSTAND AND ANALYZE THE CONCEPTS OF FREEDOM, DIVERSITY, AND TOLERANCE, THEIR HISTORICAL DEVELOPMENT, AND THEIR INFLUENCE IN HUMAN HISTORY. 286

- Skill 20.1 Demonstrate an understanding of the democratic principles embodied in the Declaration of Independence and the United States Constitution. 286
- Skill 20.2 Analyze ways in which the evolution of democracy reflects a specific social or historical context. 290
- Skill 20.3 Evaluate movements that have influenced the concepts of freedom, diversity, and tolerance. 296

Sample Test: Liberal Studies 297

Answer Key: Liberal Studies 304

Answers with Rationale: Liberal Studies 305

TEACHER CERTIFICATION STUDY GUIDE

SUBAREA VI.

WRITING

COMPETENCY 21.0 PREPARE AN ORGANIZED, DEVELOPED COMPOSITION IN EDITED ENGLISH IN RESPONSE TO INSTRUCTIONS REGARDING CONTENT, PURPOSE, AND AUDIENCE. 310