

## **Seventh Grade**

### **MATH**

#### *REVIEW*

- Computing and make reasonable estimates for all operations with whole numbers, decimals, and fractions.
- Use variables and solve equations involving addition, subtraction, multiplication and division
- Concepts of geometry: perimeter, area, and volume
- Recognize characteristics of and classify common polygons and angles
- Choose units, convert units, and estimate measures within the customary and metric systems
- Measure of central tendency, line and bar graphs, and probabilities

#### *INTRODUCE*

- Use models, tables, and graphs to represent algebraic relationships
- Graphing equations
- Finding surface area and volume of prisms and cylinders
- Pythagorean Theorem and relationships
- Understand characteristics of two dimensional representation of three dimensional figures
- Study congruent, similar, and scaled figures
- Expressions, equations, and inequalities with two variables
- Solving and writing two-step equations and inequalities
- Identify and use exponents
- Using proportions to find measurements of similar figures
- Reading and making histograms and circle graphs
- Solving proportions with unit rates
- Finding percent of a number or the number when percent is known
- Percent applications: increase and decrease
- Analyze survey techniques and make scatter plots to analyze data

#### *MASTER*

- Solving basic algebraic equations
- Compute all operations with Integers
- Using line plots, stem-and-leaf plots, and graphs.
- Making assumptions and predictions from graphs
- Understanding and using rates and ratios
- Working with divisibility rules and prime and composite numbers

- Analyze characteristics and properties of two- and three-dimensional geometric shapes

## **LITERATURE**

### *REVIEW*

- Read for more than one purpose (i.e. research, study, personal)
- Distinguish biased writing from unbiased
- Identify the narrator of a literary work
- Identify the plot of a literary work: conflict, climax, conclusion
- Identify and relate the theme of a literary work
- Recall sequence of events and details in a story
- Clarify authors viewpoint/perspective and purpose
- Summarize and paraphrase what is read
- Context clues to determine word meanings
- Develop outlines for items read
- Recognize different types of writing techniques used to express and emphasize viewpoints and purpose
- Predict information that will appear in a text (i.e. an answer to a question, a reason, a problem for a character, or a solution to a problem)
- Use skimming and scanning techniques to quickly find information
- Employ deductive reasoning skills to predict outcome and draw inferences
- Solves analogies to build critical thinking skills and enhance vocabulary development

### *INTRODUCE*

- Define and identify the various elements of literature (i.e., rhyme, imagery, symbolism, foreshadowing, personification, figures of speech, alliteration, tone, irony, illusion, etc.)
- Identify how a story's main character's are involved in the conflict/resolution of the story
- Define the meaning and identify the protagonist and antagonist in a piece of literature
- Define and comprehend a literary work's exposition: place, time, and mood /tone
- Use formal thinking skills and reading strategies by addressing the concepts of: activating schema and building background information, predicting and confirming, drawing conclusions, making inferences, recognizing text differences, and summarizing
- Use personal experience and other sources to clarify issues

- Consider audience when summarizing and paraphrasing
- Make analogies to express ideas
- Identify and define key words in a proposed literary analysis that help generate appropriate individual responses: analyze, define, compare/contrast, describe, explain, and interpret

### *MASTER*

- Vary reading techniques according to purpose and content
- Locate and interpret information in reference sources
- Identify the setting of a literary work
- Identify the main characters of a literary work

## **ENGLISH**

### *REVIEW*

- Identify primary parts of speech (i.e. nouns, pronouns, verbs, articles, adjectives, adverbs, interjections, and conjunctions)
- Identifies and handles definite and indefinite articles easily in speaking and writing
- Identify, punctuate, and write declarative, interrogative, imperative, exclamatory, and compound sentences
- Define independent clauses
- Identify and use pronouns that agree with their antecedents
- Identify adverbs and understand their position in sentences
- Identify and use objects of verbs: direct and indirect objects
- Identify, write, and properly punctuate compound and complex sentences.
- Correct errors in the form, use, and placement of modifiers
- Demonstrate appropriate use of apostrophies, underlining, and commas in sentences
- Write, use, and punctuate dialog properly
- Identifies and corrects fragments and run-on sentences
- Understands the standard usage rules of Standard English
- Identify and use personal, reflexive, intensive, demonstrative, indefinite, interrogative, and relative pronouns
- Identify and use demonstrative adjectives
- Identify and use verb types: action verbs, irregular vs. regular verbs, linking verbs, and transitive vs. intransitive
- Identify and use as modifiers: adjective vs. adverb prepositional phrases
- Identifies and writes comparative and superlative forms of adjectives and adverbs in sentences

- Identify and use subject complements: predicate nominatives and predicate adjectives
- Identify and use appropriately semicolons, colons, hyphens, and parenthesis
- Learn to spell and define a prescribed list of words
- Grasp writing strategies and their applications
- Write compare and contrast, instructions, and persuasive compositions
- Demonstrates understanding and ability to use the parts of a book (i.e., Title page, copyright page, table of contents, index, glossary)
- Utilize reference material for research and writing
- Avoid the use of tense shifts and double negatives in sentences and paragraphs
- Understand word relationships in analogies
- Make and use analogies in writing
- Correctly place adjectives and adverbs in their writing
- Comprehend and utilize MLA (Modern Language Association) standards for writing
- Write 5 paragraph essays: develop a thesis statement, write a proper introduction and conclusion, develop a 3 paragraph body to support the thesis
- Write a unified paragraph which has a clearly stated purpose and is audience appropriate
- Utilize transition words to ensure sentence fluency in paragraph, essay, and research report writing
- Utilize writing strategies with narrative, descriptive, expository, story, and persuasive writings
- Proofread and revise one's own writing for grammar, mechanics, and content
- Write complete a research paper according to MLA standards including note cards, outline, body, and works cited
- Comprehend etymologies for dictionary entries and the significance of root words for defining word meanings
- Grasp library organization and know reference material use
- Employ deductive reasoning and use context clues
- Learn note taking skills and its importance for studying, research, and writing.
- Make and punctuate a bibliographic reference

### *INTRODUCE*

- Recognize and comprehend the principle parts of the verb.
- Identify and use the appropriate tense of a verb (present, present perfect, past, past perfect, future, and future perfect)
- Manage troublesome verb pairs in writing and speaking

- Identify and write independent clauses in sentences
- Identify and use appropriately in writing active and passive voice
- Identify and use infinitives and infinitive phrases
- Identify and use appositives and appositive phrases
- Identify adjective and adverb subordinate clauses
- Identify nominative and objective case of pronouns
- Identify and correct errors in pronoun form
- Identify special problems in pronoun usage
- Recognize subordinating conjunctions
- Define modifiers: one word, phrases, and clauses
- Identify and use regular and irregular adjective and adverb comparisons
- Comprehend placement of modifiers in sentences (prepositional phrases, participial phrases, and adjective clauses)
- Revise sentences for clear pronoun reference
- Combine sentences, revise "stringy" and "wordy" sentences, and vary sentence transitions and structure in writing
- Identify and use appropriately brackets and dashes as punctuation
- Able to use parenthetical documentation and works cited in a research paper
- Learn to use writing to express an opinion

### *MASTER*

- Identify and distinguish complete, simple, and compound subjects and predicates
- Identify and use common and proper nouns and proper adjectives.
- Identify and use prepositional phrases.
- Identify verb phrases: helping verbs + main verbs
- Identify and use verbs that agree in number with their subject.
- Identify and capitalize proper adjectives and proper nouns
- Identify and use subject, object, and possessive pronouns
- Memorize and use correctly in sentences present and past tense forms of *be*, *have*, and *do*
- Write a paragraph with a topic sentence
- Understand and utilize paragraph structure and development
- Identify and write details that support the main idea of a paragraph

## **SCIENCE**

### *REVIEW*

- The God has created a mysterious and complex universe

- Use of microscopes and other lab materials
- Explore the wonder of God's creation

### *INTRODUCE*

- Expand on writing a scientific journal for experiments
- Exploring God's creation as it pertains to Life Science
- Creating, reading, and interpreting different graphs

### *MASTER*

- Create an understanding that cells are the building blocks of life
- Explain the cell process and the use of energy
- Classify cells, genetics, and heredity
- Understand and classify plants and animals into species
- Recognize the systems and function of the human body – skeletal, digestive, circulation, nervous, and reproductive

## **SOCIAL STUDIES/US HISTORY**

Grade seven covers "Beginnings of U.S history to 1877 (Civil War)"

### *REVIEW*

- Understand different purposes and skills of map studies
- Compare and summarize information in tables, graphs, and charts
- Recognize we are creating history as we live

### *INTRODUCE*

- *Participate in discussions of current events*
- *Understand the history, geography, and development of the United States leading up to the Civil War*

### *MASTER*

- *Recognize the important details in note taking from discussion and text*
- *Understand the relationship of early United States history and how it affects the events of today*
- *Understand that geography of an area plays key roles in the lives and history of the people who lived and settled there*
- *Be able to locate expeditions, settlements, colonies, territories, and states of early United States history.*

- The geographical regions of the United States
- The goals of the United States constitution

## **CHRISTIAN LEARNING**

### *REVIEW*

- Know God, especially His seeking and forgiving love in Christ
- Respond in faith and grow into Christian maturity
- Students see themselves as reconciled, redeemed children of God and individual members of Christ's body, the Church
- Live happily in peace with God, themselves, and their fellow human beings

### *INTRODUCE*

- Express their joy in worship of God and in loving service to others
- Value all of God's creative work in His world and the Church
- Witness openly to Christ as the Savior of all people
- Participate actively in God's mission to the Church and the world Live in Christian hope

### *MASTER*

- Understanding of the Bible as many books, with One message
- Be able to understand and explain the Sacraments
- Explain Jesus' earthly life
- Recognize the importance to the teachings of Jesus
- Be able to discuss the illustrations of Jesus' message
- Be a shining light to proclaim God's Word