

WSFCS English/Language Arts Standards for Highly Academically Gifted Fifth Grade

First Quarter Expectations	Second Quarter Expectations	Third Quarter Expectations	Fourth Quarter Expectations
<p>*Reading:</p> <ul style="list-style-type: none"> • Explores expressive materials that are read, heard, and/or viewed by: monitoring comprehension, determining the effect of literary devices, making connections between works, self, and related topics, comparing information, drawing inferences/conclusions, determining main idea and significant events, generating a journal, creating an artistic interpretation that connects self to the work • Contributes relevant comments and connects personal experiences to the content • Uses higher order thinking skills • Uses informational resources and technology tools to reinforce concepts • Identifies author's/speaker's tone and mood • Studies the characteristics of literary genres (fiction, nonfiction, drama, and poetry) • Increases fluency, comprehension and sights. • Determine the effects of literary devices 	<p>*Reading:</p> <ul style="list-style-type: none"> • Study the characteristics of literary genres (fiction, nonfiction, drama, and poetry) • Reads a variety of literature and other texts including novels, autobiographies, myths, essays, plays, verse, and historical fiction • Explores how the author's choice and use of a genre shapes the meaning of the literary work • Explores what impact literary elements have on the meaning of the text • Analyzes accuracy of information • Discusses and analyzes the effects of literary devices such as figurative language, dialogue, flashback, foreshadowing, and sarcasm on texts • Interprets text by explaining elements such as plot, theme, point of view, mood, style, and theme • Studies the characteristics of literary genres (fiction, nonfiction, drama, and poetry) 	<p>*Reading:</p> <ul style="list-style-type: none"> • Monitors comprehension for understanding of what is read, heard, and viewed by summarizing the characteristics of expressive works, determining the importance of literary effects, drawing inferences and/or conclusions, comparing information, determining the significance of events, and constructs book/media reviews. • Generates questions • Explores bias, apparent or hidden messages, emotional factors, and/or propaganda techniques • Identifies and explores the underlying assumptions of the author • Analyzes the effects of author's craft on the reader/viewer/listener • Draws conclusions based on evidence, reasons, and relevant information 	<p>*Reading:</p> <ul style="list-style-type: none"> • Explores argumentative works that are read, heard, and/or viewed • Analyzes the characteristics of argumentative works, determines the importance of author's word choice and focus, summaries the author's purpose and stance, makes connections between works, self, and related topics, draws inferences, responds to public documents , and distinguishes between fact and opinion. • Studies examples (in literature and other text) that present problems coherently, describe the solution clearly, sequence reasons to support the solution, and show awareness of audience • Studies arguments that evaluate information showing a firm control of sound judgments audience awareness, clear idea/theme, coherent reasons for support • Studies the characteristics of literary genres and analyzes the impact literary elements have on the meaning of a text

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<p>*Language Arts:</p> <ul style="list-style-type: none"> • Reflects on learning experiences by describing personal learning growth and changes in perspective • Uses a variety of sentence types correctly, punctuating the properly, and avoiding sentence fragments and run-on sentences • Uses appropriate subject-verb agreement and verb tense that are appropriate for the meaning of the sentence • Identifies and edits errors in spoken and written English • Reviews and uses common spelling rules, apply common spelling patters, and masters an individualist list of words that are commonly misspelled • Applies proofreading symbols when editing • Produces final drafts that demonstrate accurate spelling and the correct use of punctuation and capitalization • Uses pronouns correctly, including clear antecedents and correct case • Uses phrases and clauses correctly 	<p>*Language Arts:</p> <ul style="list-style-type: none"> • Demonstrates an understanding of conventional written and spoken expression • Identifies and edits errors in spoken and written English • Develops an awareness of errors in everyday speech • Uses multiple sources of print and non-print information in designing and developing informational materials such as brochures, newsletters, and infomercials • Narrates an expressive account which uses a coherent organizing structure appropriate to purpose, audience, and context • Tells a story or establishes the significance of an event or events • Uses remembered feelings and specific details in own writing • Creates a multi-media presentation 	<p>*Language Arts:</p> <ul style="list-style-type: none"> • Interacts in group settings by responding appropriately to comments and questions • Offers personal opinions confidently without dominating • Gives appropriate reasons that support opinions • Analyzes communication and develops (with teacher assistance)and applies appropriate criteria to evaluate the quality of the communication • Uses multiple sources of print and non-print information in designing and developing informational materials such as brochures, newsletters, and infomercials • Analyzes the effects of a presentation and the accuracy of the information • Applies the research process and product as part of collaborative research 	<p>*Language Arts:</p> <ul style="list-style-type: none"> • Reflects on learning experiences by: describing personal learning growth and changes in perspective, identifying changes in self throughout the learning process, interpreting how personal circumstances and background shape interaction with text • Uses multiple sources of print and non-print information in designing and developing informational materials such as brochures, newsletters, and infomercials • Demonstrates an understanding of conventional written and spoken expression by: using a variety of sentence types, using correct capitalization, punctuation, and using pronouns correctly, including clear antecedents and correct case • Identifies and edits errors in spoken and written English

WSFCS Mathematics Standards for Highly Academically Gifted Fifth Grade

First Quarter Expectations	Second Quarter Expectations	Third Quarter Expectations	Fourth Quarter Expectations
<p>*Mathematics: <u>Number & Operations</u></p> <ul style="list-style-type: none"> • Compares and orders fractions and decimals • Develops flexibility in solving problems (including real world applications) by selecting multiple strategies and using mental computation, estimation, calculators, computers, and paper and pencil • Uses divisibility rules (2,3,4,5,6,7,8,9,10) • Identifies numbers as prime or composite and gives prime factorization • Compares and orders whole numbers and decimals; rounds and estimates • Adds, subtracts, multiplies and divides whole numbers and decimals • Uses scientific notation to write very large and very small numbers • Uses factors, multiples, exponential notation, and prime factorization • Solves problems involving fractions <p><u>Data Analysis & Probability</u></p> <ul style="list-style-type: none"> • Collects, organizes, analyzes, and displays data (including stem-and-leaf plots, bar graphs, double bar graphs, line graphs, double line graphs, circle graphs, frequency tables, line plots and scatter plots) to solve problems • Compares and contrasts different ways to represent the same data (mean, median, mode range); identifies outliers; discusses effectiveness of each representation • Solves problems involving surveys, samples and populations 	<p>*Mathematics: <u>Number & Operations</u></p> <ol style="list-style-type: none"> 1. Compares and orders rational numbers (fractions) 2. Develops fluency in addition, subtraction, multiplication, and division of non-negative rational numbers (fractions) <ol style="list-style-type: none"> 1. Computational strategies 2. Effect of operations on size (benchmarks) 3. Estimates of computational results (sums, differences, products, quotients) 4. Reasonableness of solutions 5. Patterns <ul style="list-style-type: none"> • Develops meaning for percents <ol style="list-style-type: none"> 1. Connections between model, number word and number using various representations 2. Relationships among fractions, decimals and percents 3. Estimation 4. Percent of increase or decrease • Develops number sense for integers: <ol style="list-style-type: none"> 1. Connections between model, number word, and number using a variety of representations (including number lines) 2. Comparisons and ordering • Develops flexibility in solving problems (including real world applications) by selecting multiple strategies and using mental computation, estimation, calculators, computers, and paper and pencil 	<p>*Mathematics: <u>Number & Operations</u></p> <ul style="list-style-type: none"> • Develops fluency in addition, subtraction, multiplication, and division of rational numbers (integers) <ol style="list-style-type: none"> 1. Computational strategies 2. Effect of operations on size (benchmarks) 3. Estimates of computational results (sums, differences, products, quotients) 4. Reasonableness of solutions • Develops flexibility in solving problems (including real world applications) by selecting multiple strategies and using mental computation, estimation, calculators, computers, and paper and pencil <p><u>Measurement</u></p> <ul style="list-style-type: none"> • Estimates and measures length, area, angles, weight, and mass of two-dimensional figures, using appropriate tools • Solves problems involving perimeter of plane figures • Uses elapsed time <p><u>Geometry</u></p> <ul style="list-style-type: none"> • Identifies geometric terms related to lines, angles, and planes • Solves problems involving geometric figures • Identifies the radius, diameter, chord, center, and circumference of a circle; determines relationships 	<p>*Mathematics: <u>Number & Operations</u></p> <ul style="list-style-type: none"> • Develops and uses ratios to solve problems: <ol style="list-style-type: none"> 1. Unit rates and rates 2. Proportions 3. Cross products 4. Formulas • Develops flexibility in solving problems (including real world applications) by selecting multiple strategies and using mental computation, estimation, calculators, computers, and paper and pencil <p><u>Measurement</u></p> <ul style="list-style-type: none"> • Uses scale drawings to solve problems • Determines the circumference and area of a circle • Solves problems involving volume and surface area of cylinders, prisms and composite shapes <p><u>Geometry</u></p> <ul style="list-style-type: none"> • Uses three-dimensional figures: <ol style="list-style-type: none"> 1. Polyhedra 2. Nets 3. Views

WSFCS Mathematics Standards for Highly Academically Gifted Fifth Grade (cont'd)

First Quarter Expectations	Second Quarter Expectations	Third Quarter Expectations	Fourth Quarter Expectations
<p>*Mathematics: <u>Algebra</u></p> <ul style="list-style-type: none"> • Evaluates numerical expressions • Uses properties of rational numbers: <ol style="list-style-type: none"> 1. Identity 2. Commutative 3. Associative 4. Distributive • Translates verbal expressions into numerical expressions • Uses expressions and one-step equations to solve problems 	<p>*Mathematics: <u>Algebra</u></p> <ul style="list-style-type: none"> • Translates verbal expressions into algebraic expressions • Evaluates algebraic expressions • Solves one-step equations involving fractions • Calculates sales tax and sale price • Uses formulas (simple interest) 	<p>*Mathematics: <u>Geometry (cont'd)</u></p> <ul style="list-style-type: none"> • Identifies, defines, and describes similar and congruent figures <ol style="list-style-type: none"> 1. Angle measures 2. Length of sides 3. Proportionality of sides • Transforms figures in the coordinate plane and describes the transformation • Identifies and creates symmetrical figures • Creates tessellations <p><u>Data Analysis & Probability</u></p> <ul style="list-style-type: none"> • Develops fluency with counting strategies to determine the sample space for an event (including lists, tree diagrams, permutations, combinations and Fundamental Counting Principle) • Uses a sample space to determine the probability of an event • Determines and compares experimental and theoretical probabilities: (simple and compound; independent and dependent) • Conducts experiments or surveys to solve problems; reports and analyzes results <p><u>Algebra</u></p> <ul style="list-style-type: none"> • Solves equations involving positive and negative integers • Identifies, analyzes, and creates linear relations, sequences (patterns), and functions using symbols, graphs, tables, diagrams, and written descriptions 	<p>*Mathematics: <u>Algebra</u></p> <ul style="list-style-type: none"> • Solves problems involving rates of change and ratios • Translates among different representations of algebraic expressions, equations and inequalities • Uses and evaluates algebraic expressions, linear equations (including graphs) or inequalities to solve problems • Develops fluency in using formulas to solve problems

WSFCS Science NCSCOS (Revised 2004) Standards for Fifth Grade

First Quarter Expectations	Second Quarter Expectations	Third Quarter Expectations	Fourth Quarter Expectations
<p>*Science: Conducts investigations to build an understanding of the interdependence of plants and animals</p> <ul style="list-style-type: none"> • Describes and compares several common ecosystems (communities of organisms and their interaction with the environment) • Identifies and analyzes the functions of organisms within the population of the ecosystem: producers, consumers, and decomposers • Explains why an ecosystem can support a variety of organisms • Discusses and determines the role of light, temperature, and soil composition in an ecosystem's capacity to support life • Determines the interaction of organisms within an ecosystem • Explains and evaluates some ways that humans affect ecosystems: habitat reduction due to development, pollutants, and increased nutrients • Determines how materials are recycled in nature 	<p>*Science: Makes observations and conducts investigations to build an understanding of landforms</p> <ul style="list-style-type: none"> • Identifies and analyzes forces that cause change in landforms over time including: water and ice wind, and gravity • Investigates and discusses the role of the water cycle and how movement of water over and through the landscape helps shape land forms • Discusses and considers the wearing away and movement of rock and soil in erosion and its importance in forming: canyons, valleys, meanders, and tributaries • Describes the deposition of eroded material and its importance in establishing landforms including deltas and flood plains • Discusses how the flow of water and the slope of the land affect erosion • Identifies and uses models, maps, and aerial photographs as ways of representing landforms • Discusses and analyzes how humans influence erosion and deposition in local communities, including school grounds, as a result of: clearing land, planting vegetation, and building dams 	<p>*Science: Conducts investigations and uses appropriate technology to build an understanding of weather and climate</p> <ul style="list-style-type: none"> • Investigates the water cycle including the processes of: evaporation, condensation, precipitation, and run-off • Discusses and determines how the following are affected by predictable patterns of weather: temperature, wind direction and speed, precipitation, cloud cover, and air pressure • Describes and analyzes the formation of various types of clouds and discuss their relation to weather systems • Explains how global atmospheric movement patterns affect local weather • Compiles and uses weather data to establish a climate record and reveals any trends • Discusses and determines the influence of geography on weather and climate (mountains, sea breezes, and water bodies) 	<p>*Science: Conducts investigations and uses appropriate technologies to build an understanding of forces and motion in technological designs</p> <ul style="list-style-type: none"> • Determines the motion of an object by following and measuring its position over time • Evaluates how pushing or pulling forces can change the position and motion of an object • Explains how energy is needed to make machines move (moving air and gravity) • Determines that an unbalanced force is needed to move an object or change its direction • Determines factors that affect motion include: force, friction, inertia, and momentum • Builds and uses a model to solve a mechanical design problem (devises a test for the model and evaluate the results of test) • Determines how people use simple machines to solve problems

WSFCS Social Studies Essential Standards for Fifth Grade

First Quarter Expectations	Second Quarter Expectations	Third Quarter Expectations	Fourth Quarter Expectations
<p>*Social Studies: Understands the development, structure and function of government in the United States</p> <ul style="list-style-type: none"> Explains how ideas of various governments influenced the development of the United States government (Roman, Greek, Iroquois, and British). Summarizes the organizational structures and powers of the United States government (legislative, judicial and executive branches of government). Analyzes historical documents that shaped the foundation of the United States Government. <p>Analyzes life in a democratic republic through rights and responsibilities of citizens</p> <ul style="list-style-type: none"> Understands the values and principles of a democratic republic Analyzes the rights and responsibilities of United States citizens in relation to the concept of "common good" according to the United States Constitution (Bill of Rights) Provides examples of ways in which the rights, responsibilities and privileges of citizens are protected under the United States Constitution Explains why civic participation is important in the United States 	<p>*Social Studies: Analyzes the chronology of key events in the United States.</p> <ul style="list-style-type: none"> Evaluates the relationships between European explorers (French, Spanish and English) and American Indian groups, based on accuracy of historical information (beliefs, fears, and leadership) Summarizes the political, economic and social aspects of colonial life in the thirteen colonies Analyzes the impact of major conflicts, battles, and wars on the development of our nation through Reconstruction 	<p>*Social Studies: Understands how human activity has and continues to shape the United States.</p> <ul style="list-style-type: none"> Explains the impact of the physical environment on early settlements in the New World Explains the positive and negative effects of human activity on the physical environment of the United States, past and present Explains how technological advances (communication, transportation and agriculture) have allowed people to overcome geographic limitations Explains migration within or immigration to the United States in order to identify push and pull factors (why people left/why people came) <p>Understands how increased diversity resulted from migration, settlement patterns and economic development in the United States.</p> <ul style="list-style-type: none"> Analyzes the change in leadership, cultures and everyday life of American Indian groups before and after European exploration Provides examples of how the interactions of various groups have resulted in borrowing and sharing of traditions and technology Explains how the movement of goods, ideas and various cultural groups influenced the development of regions in the United States Understands how cultural narratives (legends, songs, ballads, games, folk tales and art forms) reflect the lifestyles, beliefs and struggles of diverse ethnic groups 	<p>*Social Studies: Understands how a market economy impacts life in the United States</p> <ul style="list-style-type: none"> Summarizes the role of international trade between the United States and other countries through Reconstruction Explains the impact of production, specialization, technology and division of labor on the economic growth of the United States Explains the importance of developing a basic budget for spending and saving <p>Understands that personal choices result in benefits or consequences</p> <ul style="list-style-type: none"> Explains the importance of developing a basic budget for spending and saving Evaluates the costs and benefits of spending, borrowing and saving.

WSFCS Enrichment Areas Throughout the Year for Fifth Grade

<p>*Visual Arts</p> <ul style="list-style-type: none"> • Creates art that reflects personal voice and appropriate choice of media for the creation of meaningful art • Uses ideas and imagery from the global environment as sources for creating art • Exemplifies how information and skills learned in visual arts can be applied in other disciplines • Creates realistic, imaginative, abstract, and non-objective art • Critiques personal art based on established lesson criteria and expressive qualities • Consistently demonstrates an understanding of concepts taught in the classroom • Creates art using a variety of tools, media, and processes safely 	<p>*Music</p> <ul style="list-style-type: none"> • Reads whole, half, quarter, eighth, sixteenth, and dotted note and rest durations in 2/4, 3/4, 4/4 and 6/8 meters • Identifies notated pitches in the treble and/or bass clef • Participates in class through singing, moving, classroom activities and the playing of instruments 	<p>*Physical Education/Healthful Living</p> <ul style="list-style-type: none"> • Gives and accepts feedback from others to help improve performing striking, dribbling, throwing, catching and other sports skills • Gives and accepts feedback on sportsmanship issues appropriately • Demonstrates the ability to perform a self-paced aerobic activity • Participates in numerous bouts of moderate to vigorous physical activity (MVPA) for 30 minutes or longer during and outside of school • Understands all 5 health-related fitness assessments and shows improvement on one or more self-selected items • Understands all five obesity prevention health behaviors and self-selects one or more behaviors to monitor over time. • Understands the concepts of MyPlate in relationship to healthy food choices from all of the food groups • Applies combinations of manipulative skills (e.g., rebounding a basketball and passing it to an open player) in lead up games • Throws to a partner while moving/catches a ball while moving at varying distances • Uses and applies sport skill rubrics to increase skill development • Demonstrates the appropriate use of levels in drill and lead-up situations • Designs and performs a dance or other movement routine combining locomotor patterns
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