

SCHOOL DISTRICT OF MCFARLAND

CURRICULUM OVERVIEW

Sixth Grade

2020 - 2021

This overview is designed to provide information to parents about what is taught in the School District of McFarland in sixth grade. It does not list everything students are taught or all things which students experience. Instead, for each content area, it highlights some state standards and major skills or units that students are taught. For a more in-depth overview, please contact your child's classroom teacher(s).

The McFarland School District does not discriminate on the basis of race, color, national origin, ancestry, creed, pregnancy, religion, marital status, parental status, sexual orientation, sex, including transgender status, change of sex or gender identity, English language proficiency, age, military status, or physical, mental, emotional, or learning disability in any of its student programs and activities.

CORE Classes

<p style="text-align: center;">MATH Core Connections 1</p> <p>Students will:</p> <ul style="list-style-type: none"> * Apply and extend previous understandings of multiplication and division of fractions, rational numbers, and arithmetic to algebraic expressions. * Understand ratio concepts and use ratio reasoning to solve problems. * Compute fluently with multi-digit numbers and find common factors and multiples. * Reason about and solve one-variable equations and inequalities. * Represent and analyze quantitative relationships between dependent and independent variables. * Solve real-world and mathematical problems involving area, surface area, and volume. * Develop understanding of statistical variability. * Summarize and describe distributions. 	<p style="text-align: center;">MATH Core Connections 2</p> <p>Students will:</p> <ul style="list-style-type: none"> * Analyze proportional relationships and use them to solve real-world problems. * Apply and extend previous understandings with rational numbers and know about and approximate numbers that are not rational. * Use properties to operations to generate equivalent expressions. * Solve real-life and mathematical problems using numerical and algebraic expressions and equations. * Draw, construct and describe geometrical figures and describe the relationship between them. * Solve real-world and mathematical problems involving angle measure, area, surface area, and volume; including cylinders, cones and spheres. * Use random sampling to draw inferences about a population and draw informal comparative inferences about two populations. * Investigate chance processes and develop, use, and evaluate probability models. 	<p style="text-align: center;">MATH Core Connections 3</p> <p>Students will:</p> <ul style="list-style-type: none"> * Know that there are numbers that are not rational and approximate them by rational numbers. * Work with radicals and integer exponents. * Understand the connection between proportional relationships, lines, and linear equations. * Solve linear equations and pairs of simultaneous linear equations. * Define, evaluate, compare, and use functions to model relationships between quantities. * Understand congruence and similarity using physical models, transparencies, or geometry software. * Understand and apply the Pythagorean Theorem. * Solve real-world and mathematical problems involving volume of cylinders, cones, and spheres. * Investigate patterns of association in data that has two variables.
<p style="text-align: center;">READING/LANGUAGE ARTS</p> <p>Students will:</p> <ul style="list-style-type: none"> * Use effective reading strategies * Read, interpret, critically analyze literature * Discuss literary & non-literary texts * Read to acquire information * Create writing for a variety of audiences, incorporating a variety of spelling strategies * Plan, revise, edit, & publish clear writing using Writer's Workshop * Use effective speaking and listening strategies * Develop vocabulary as a means of improving communication. * Use technology to acquire, organize, analyze, and communicate information * Conduct research & inquiry on self-selected or assigned topics <p>Novels offered to 6th grade readers:</p> <ul style="list-style-type: none"> ➤ Esperanza Rising ➤ When My Name Was Keoko ➤ A Single Shard ➤ Various book titles for class book clubs 	<p style="text-align: center;">SCIENCE</p> <p>Students will:</p> <ul style="list-style-type: none"> * Understand that there are unifying themes among scientific disciplines. * Understand that science & scientific understandings have changed over time. * Investigate questions using scientific methods. * Demonstrate basic understanding of the physical sciences. * Understand the characteristics & structures of living things. * Understand the relationship between science & technology. * Use scientific information & skills to make decisions. <p><u>Areas of Study:</u></p> <ul style="list-style-type: none"> * Ecology (Outdoor Ed//Camp Timber-Lee) * Mystery Powders * Waves, Sound, & Light * Floaters/Sinkers (Density) * Save the Penguins (Heat Energy) * Science Fair 	<p style="text-align: center;">GLOBAL STUDIES (SOCIAL STUDIES)</p> <p>Students will:</p> <ul style="list-style-type: none"> * Construct meaningful questions that initiate an inquiry. * Develop claims using evidence to support reasoning. * Communicate and critique conclusions. * Use geographic tools and ways of thinking to analyze the world. * Analyze human movement and population patterns. * Examine the impacts of global interconnections and relationships. * Evaluate the relationship between identity and place. * Evaluate the relationship between humans and the environment. * Comprehend and analyze maps, graphs and charts for patterns and inquiry. <p><u>Areas of Study:</u></p> <ul style="list-style-type: none"> * Five themes of Geography, Geography Concepts * South Asia, East Asia, Pacific Rim & the <u>War Lords</u> simulation * Middle East & North Africa, Africa, Country Study * Western/Eastern Europe, <u>Box Cars</u> Economic Simulation.

RELATED ARTS Classes

<p style="text-align: center;">ARRE TIME / DEVELOPMENTAL GUIDANCE</p> <p>Areas of Study: * Getting to Know You * Mindset & Goals * Values & Friendships * Thoughts, Emotions, & Decisions * Serious Peer Conflicts * Maturing Physically & Emotionally * Looking back / Looking ahead for summer</p>	<p style="text-align: center;">ART</p> <p>Visual Literacy and Culture: During 6th grade art students will explore the connection between art and culture as well as building an image that communicates.</p> <p>Areas of Study : * Printmaking * Acrylic Painting * Still-life Drawing * Watercolor * Daily drawing * Weekly Sketchbook Assignments</p>	<p style="text-align: center;">CHORAL/INSTRUMENTAL MUSIC</p> <p>Students will: * Sing a varied repertoire of music. * Play varied instruments. * Improvise/compose/arrange music. * Read/notate/analyze/describe music. * Evaluate music & performances * Relate music to other arts & disciplines * Relate music to history & culture.</p>
<p style="text-align: center;">FAMILY & CONSUMER SCIENCES</p> <p>Students will be introduced to a variety of subjects. Students will participate in activities that include presentations, written work, and classroom projects.</p> <p>Areas of Study: * Celebrating Myself * Family * Caring for Younger Children * Sewing basics, sewing a personal pillow * Safety and Sanitation/Food Preparation Skills * Living Green/ Climate Change</p>	<p style="text-align: center;">INFORMATION LITERACY</p> <p>Students will: * Use library/media/technology to access, organize, create, communicate information * Demonstrate the ability to work collaboratively & use information & technology responsibly. * Systematically process resources to accomplish outcomes & evaluate their appropriateness. * Creatively define problems & identify opportunities, plan & gather information, explore alternatives, implement viable options, & evaluate, defend, & communicate outcomes based on technological knowledge. * Understand that technology affects society & the environment in ways that are both planned & unplanned, desirable & undesirable, as well as short term & long term in nature. * Be encouraged to develop a life-long interest in reading.</p> <p>Areas of Study: * Guidelines of Using a Library * Location of Library Materials for Research & Problems Solving * Design Development * Mass Production * Book talks of award-winning titles * Research Skills</p>	<p style="text-align: center;">PHYSICAL EDUCATION</p> <p>Students will: * Exhibit a physically active lifestyle. * Understand that physical activity provides opportunities for enjoyment, challenge, self-expression & social interaction.</p> <p>Areas of Study: * Low-organized Games * Fitness & Fitness Testing * Soccer * Line Dancing * Track & Field * Square Dancing * Basketball * Volleyball * Swimming * Pickle Ball</p>
<p style="text-align: center;">TECHNOLOGY and ENGINEERING</p> <p>* Series and parallel circuits * Resistors, LEDs and lamps * Build a model of a telegraph * Use a multimeter to measure volts and resistance * How electromagnets work * Basic hand and power tool use * Learn about sanding and finishing wood * Build a small wood tray * Program a robot to navigate a maze using sensors</p>	<p style="text-align: center;">WORLD LANGUAGES</p> <p style="text-align: center;">Exploratory French & Spanish</p> <p>* Students will be introduced to French & Spanish language and culture. They will explore the benefits of world language acquisition & will be encouraged to pursue French or Spanish beyond 6th grade.</p> <p>* Exploratory in nature, the 6th grade curriculum focuses on exposure to the language with comprehensible input and some basic grammar concepts. Language acquisition will be embedded in the diverse culture of each language.</p>	