

# Curriculum

GRADES 5-8



	GRADE 5	GRADE 6	GRADE 7	GRADE 8				
<b>LANGUAGE ARTS/ ENGLISH</b>	Evidence-based, creative writing, and quick writes centered on literature coupled with developing writer's notebook, original poetry, and memoirs in a workshop format in an effort to reinforce grammar and vocabulary	Five paragraph essay, literary analysis, quick writes, literature circles, vocabulary and grammar mechanics all surrounding one major novel per term coupled with oral presentations based on book talks	Exploration through reading and grammatically correct writing, the intentional use of all literary devices and author's style in short stories, poetry and literary works; expansion of critical thinking/ inferential questioning through discussion and oral presentation techniques	Well-articulated evidence based and creative writing using classic novels, plays, and published essayists as resources with a formal presentation as a capstone experience				
<b>MATH</b>	Singapore Math approach and problem solving through number theory, multiplication, division, decimals, fractions, ratio, percent, algebra, data and probability, basic geometry, and real world connections through math	Rational numbers, patterns, fractions, decimals, percents, alternative methods of computation, data and statistics, algebraic reasoning and using algebra to solve real problems	Operations with signed integers, algebraic expressions and equations, ratio and proportion, data and statistics, geometric constructions, rates of change	Properties of exponents, linear equations, graphing lines, systems of equations, congruence and similarity, irrational numbers, the Pythagorean Theorem, data and statistics				
<b>SCIENCE</b>	<b>PHYSICAL AND EARTH SCIENCES:</b> EV3 Robotics, Astronomy, Force & Motion, STEM Challenges	<b>ENVIRONMENTAL SCIENCE &amp; PHYSICS:</b> Waves, Energy & Matter, Ecosystems, Weather/ Climate, STEM Car Physics	<b>BIOLOGY:</b> Cells & Body Systems, Infectious Disease, Genetics, Natural Selection, Coding/ Simulation	<b>INTRODUCTION TO CHEMISTRY AND PHYSICS:</b> Matter, Reactions, Energy, Electricity and Magnetism, STEM Challenges				
<b>SOCIAL SCIENCES/ HISTORY</b>	World History & Cultures. Examination of the growth and development of human communities and cultures, with a focus on Egypt, Greece, the Indus River & China	United States History & Cultures. Exploration of the development and evolution of the United States, with an eye to the impact of the past on the 21st century America	Global Perspectives. Thematic investigation of both history and the current day with a focus on understanding multiple points of view	World History 1300 - 1900. Study of the major civilizations and developments from 1300-1900, with a focus on the emergence of an interconnected world				
<b>WORLD LANGUAGES</b>	Using familiar topics, students learn to express themselves and understand the Spanish language. Course includes emphasis on the study of Hispanic Culture	Students expand their ability to communicate and understand the Spanish language while gaining a deeper understanding of their own culture through the study of Hispanic culture.	Students start a two year sequence in the study of French, Latin, Mandarin or Spanish. Emphasis on building confidence with the language, basic grammar and vocabulary, and study of culture.	Students continue the study of language chosen in 7th grade; French, Latin, Mandarin or Spanish				
<b>FINE AND PERFORMING ARTS</b>	Quarter-year rotation of Instrumental Music, Vocal Music, Drama and Visual Art	Band or Vocal Music for full year Drama and Visual Art for one semester	String Ensemble, Band or Vocal Music for full year Drama and Visual Art for one semester	Students choose two for full year: Band, Vocal Music, Drama, Visual Art, String Ensemble				
<b>PHYSICAL EDUCATION</b>	Fitness and sports based curriculum. See other side for details.							
<b>TECHNOLOGY</b>	<b>ONE-TO-ONE TABLET PC PROGRAM IN GRADES 5-8</b> <b>RESOURCES:</b> Interactive Wireless Projectors; Digital Language Lab; Video and Still Cameras; eReaders; Audio Books; 3-D Printing and Modeling, Laser Engraver and Cutter; CNC Machining <b>FOCUS AREAS:</b> Creativity and Innovation; Communication and Collaboration; Research and Information Fluency; Critical Thinking, Problem Solving, and Decision Making; Digital Citizenship; Operations and Concepts <b>CURRICULAR APPLICATIONS:</b> Digital Imaging, Video, and Audio; Computer Programming; Digital Storytelling; Digital Cartography; Web Design; Computer Modeling and Simulations; Web and Database Searching; Website Evaluation; 3D Design; Productivity Tools							
<b>SPECIAL PROGRAMS AND EXPERIENCES</b>	Theme for the year - Stepping Up Mini-Camp on campus Sheldon Concert Hall Challenger Learning Center Adventure Night Hidden Valley Ski Trip City Museum Digital Fabrication Maker Space	Theme for the year - Taking Charge Cultural Heritage Project 6th Grade Arts Night Passport Day April Action Project Taking Charge Advisory Project Laumeier Sculpture Project/Field Trip Passion Projects Hawn State Park Camp Celebration	Theme for the year - Embracing Change Fall Team and Leadership Experience Overnight Camping Rise Impact Summit Community Service Spring Dance	Theme for the year - Becoming a Young Adult Community Service/Field Trip End of Year Field Trip Personal Essay Presentation RISE Impact Summit Six Flags Spring Dance Eighth Grade Celebration				
<b>FOR GRADES 5-8</b>	Spring Fling, Talent Show, Fall Spirit Days, Fall and Spring Concerts, Turkey Train, NCADA, Sunrise Sessions, Purposeful Parenting, Homecoming, Helping Hands							
<b>STUDENT ACTIVITIES 3:15-5:00 p.m.</b>	Open Art Studio Athletic Dev. ASAP	Book Clubs Chess Club Community Service	Cooking Club Cricket Club Dance Club	Girls on the Run Jazz Band Knitting & Crochet Club	Latin Club Lego Robotics Team Math Club	Library Pages MICDS Rambassadors MS Meeting Planners	MS Writing Club Playback Theater Science Fair	String Ensemble 7th/8th Grade Play Student Council
<b>AFTER SCHOOL ATHLETICS</b>	7th and 8th Grades: Baseball, Basketball, Cheerleading, Cross Country, Field Hockey, Football, Ice Hockey, Lacrosse, Soccer, Squash, Tennis, Track and Field, Volleyball, Water Polo, Wrestling							

MIDDLE SCHOOL

# Physical Education

GRADES 5-8



## HEALTH AND FITNESS UNITS

**ATHLETIC DEVELOPMENT**  
**CIRCUIT TRAINING**  
**ENERGY SYSTEM TRAINING**  
**NUTRITION**  
**STRENGTH TRAINING**  
**SWIMMING**  
**YOGA**

## TRADITIONAL SPORTS

**BASEBALL**  
**BASKETBALL**  
**FIELD HOCKEY**  
**FOOTBALL (TACKLE AND FLAG)**  
**LACROSSE**  
**SOCCER**  
**SQUASH**  
**TENNIS**  
**TRACK & FIELD**  
**VOLLEYBALL**  
**WRESTLING**  
**WATER POLO**

## NON-TRADITIONAL SPORTS AND PHYSICAL ACTIVITIES

**AMERICAN HANDBALL**  
**BADMINTON**  
**DANCE**  
**FUTSAL**  
**HANDBALL**  
**PICKLEBALL**  
**POWERBALL**  
**SPEEDMINTON**  
**TCHOUKBALL**  
**ULTIMATE FRISBEE**

