



# MICDS

MARY INSTITUTE AND SAINT LOUIS COUNTRY DAY SCHOOL

# MIDDLE SCHOOL Curriculum

2022-2023

## 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 personal writing using novels, plays, graphic novels and published essays as resources with an emphasis on building the sophistication of argument and expression in both speaking and writing	
<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 properties of angles, rates of change, perimeter and area of 2D shapes, surface area and volume of 3D shapes		Properties of exponents, linear equations, graphing lines, systems of equations, geometric constructions, congruence and similarity, irrational numbers, properties of quadrilaterals, 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		<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>	<b>WORLD HISTORY AND CULTURES:</b> Examination of the growth and development of human communities and cultures, with a focus on Egypt, Greece, the Indus River & China		<b>UNITED STATES HISTORY &amp; CULTURES:</b> Exploration of the development and evolution of the United States, with an eye to the impact of the past on 21st century America		<b>GLOBAL PERSPECTIVES:</b> Thematic investigation of both history and the current day with a focus on understanding multiple points of view		<b>WORLD HISTORY 1300-1900:</b> 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 Studio Art		Band or Vocal Music for full year Drama and Studio Art for one semester		Band, Orchestra, Choir for full year Drama and Studio Art for one semester		Students choose two for full year: Band, Choir, Drama, Studio Art, Orchestra	
<b>PHYSICAL</b>	<b>Fitness and sports based curriculum. See other side for details.</b>							
<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 Machines <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 Digital Fabrication Maker Space The Mission & Me 5th Grade 360 Monarch Butterflies		Theme for the year - LEAD Family History Projects 6th Grade Arts Night Passport Day Passion Projects LEAD Projects Laumeier Sculpture Project/Field Trip Hawn State Park Camp Celebration RAM Time TEAMWORK Day		Theme for the year - Embracing Change Team and Community Building LEAD Overnight Camping RISE Impact Summit Community Service Peer 2 Peer Mentoring Spring Social Gathering		Theme for the year - Becoming a Young Adult Community Service/Field Trip RISE Impact Summit Peer 2 Peer Mentoring Spring Celebratory Field Trip Eighth Grade Celebration Spring Dance	
<b>FOR GRADES 5-8</b>	Spring Fling, Talent Show, Fall Spirit Days, Fall and Spring Concerts, Turkey Train, NCADA, CHADS, Puberty Education, Sunrise Sessions, Purposeful Parenting, Homecoming, Helping Hands							
<b>STUDENT ACTIVITIES 3:15-5:00 p.m.</b>	Open Art Studio Athletic Dev. Anime Club	ASAP Book Clubs Board Game Club	Chinese Calligraphy Cooking Club Dance Club	Drama Club Dungeons & Dragons Girls on the Run	Knitting & Sewing Club Lego Robotics Team Math Team	MICDS Rambassadors Prism Ram Jam Band	Science Fair Club Spelling Bee Club Student Council	7th/8th Grade Play
<b>AFTER SCHOOL</b>	7 <sup>th</sup> and 8 <sup>th</sup> 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