

Investigations in Sci 6	Investigations in Sci 7	Science Grade 8	Inv. in Earth Space Sys	Adv World Studies 6	Adv World Studies 7	Advanced US History 8
Organism Classification / Ecosystems / Fossils / Adaptation / Biodiversity & Interaction / Ecosystems of Ches. Bay / Bay Area Organism Populations / Energy Flow / Food Chains / Habitat Design / Ecological Impact / Environmentally-Friendly / Innovations / Renewable Energy / Solar / Motion / Forces / Energy / Electricity / Magnets / Newton & his Law's	Hydroponics / plant structure / cell structure / cell division / periodic table / chemistry basics (matter/atom, etc) / Body systems, nutrition basics / genetic basics / punnett squares / DNA / RNA / sexual and asexual reproduction / Forensic basics / biotechnology	Matter / States of Matter / Chemical vs. Physical Changes / Elements / Compounds / Atoms / Molecules / Solar Energy / Green Eco Building / Weather / Clouds / Winds / Air Pressure / Atmosphere/ Oxygen / Temperature / Water Cycle / Humidity / Weather Predicting / Severe Weather / Climate / Earth / Mantle / Earthquakes / Volcanoes / Waves / Rocks / Sand / Dirt	(Honors 8 Science) dynamic processes of systems of Earth & of Space / hydrosphere / cryosphere / geosphere / biosphere / atmosphere / Earth surface heating / Fluid Circulation / Atmosphere / Water / Solar Home Design / Far Solar System / Earth-Moon-Sun Interactions / Solar System / Stars / Universe / Plate Tectonics / Earthquakes / Volcanoes / Minerals / Rocks / Erosion / Deposition / Earth's History / Global Change	Soc. Studies Research Method: Analyze Artifacts, Identify Patterns, Make Generalizations Mesopotamia / Indus River Val. Sumerians / Patterns of Settlements / 15 features of Civilizations / Ancient Egypt Authoritarian v. Democratic Govt / Anc. Greece & Democracy / Anc. Rome & Republic (representative democracy) / Roman Empire & Fall / Emperor Powers / Byzantine Empire / Modern China & Economics (command vs. market) / Ancient China & Dynasties / Culture Systems / Religions: Hinduism, Buddhism, Islam, Judaism, Christianity / Japan, France, Mali, Guatemala, Iran, and India at 1000ad and 2000ad	General Political Systems / Feudalism / Middle Ages Europe / Churches / Kings / Islamic & Byzantine Empires / The Crusades / Mongol Empire / The Black Death Cultural Change / Problems w. outside cultural observation / Middle Ages Africa / Kingdom of Mali / Pluralistic Societies / Cultural Diffusion of South Africa / Aztecs / Incas / Modern Latin America Geography Impact on Civilizations / Economic Development vs Preserving the Environment / Market Economics / Renaissance / Ocean Trade / New World / Slave Trade / Globalization / Methods of Historian Thinking Models, Research, Discovery	General Political Systems / British Colonial System / American Colonists Rebellions / Continental Congress / Common Sense / Declaration of Independence / Articles of Confederation / American Revolution / Constitution / State Constitutions / Taxes / Bill of Rights / Shays & Whiskey Rebellions / Political Parties / Presidency / Judicial Review / War of 1812 / American Geography / American Markets / Manifest Destiny / Western Expansion / Native Americans / Mexican-American War / Cotton / Slavery / Industrialization / Immigration / Civil War / Reconstruction
Reading 6	Advanced Reading 6	Reading 7	Reading 8	Developmental Reading	Middle School Read180	Basic Reading
Independent Reading / Reading Strategies: Activating Prior Knowledge, Preview, Predict, Clarify, Context Clues, Inferring, Questioning, Setting a Purpose, Visualizing, Summarizing / Expository Texts / Main Idea / Graphic Organizers / Mythology / (Auto)Biographies / Newspapers / 5 W's / On-line news sites	Independent Reading / Reading Strategies: Activating Prior Knowledge, Preview, Predict, Clarify, Context Clues, Inferring, Questioning, Setting a Purpose, Visualizing, Summarizing / Expository Texts / Main Idea / Graphic Organizers / Mythology / (Auto)Biographies / Newspapers / 5 W's / On-line news sites / Drawing Conclusions / Evaluating Texts / Etymology / Word Relationships	Main Idea / Fact vs. Opinion / Inferencing / Context Clues / Instructions / Forms / Vocabulary / Etymology / Author's Purpose / Sequence / Informational Text Structures / Cause & Effect / Compare & Contrast / Problem & Solution / Poetry / Rhyme Schemes / Plot Structure / Folktales / Synonyms / Antonyms / Historical Accounts / Concept Maps / Affixes / Acronyms / Visual Art	Main Idea / Details / Nonfiction Science books / Character Traits Historical Accounts / Cause-Effect / Infer / Summarize / Story Boards Poetry / Graphic Organizers / Info. Text Features / Political Cartoons / Graphs / Charts / Compare-Contrast / Drama / Stage Direction / Hypothesis / Analytical Questions / Preview / Connect / Predict / Skimming & Scanning	This is a reading intervention for students more than three grades below level that have difficulty decoding. It is a packaged curriculum of intensive decoding materials. Support in a media center would be high interest-low level texts and audio format books.	This is a self-contained, station-based remedial reading program. To continue a student's interests outside the classroom a variety of high interest – lower lexile level books on the topics covered in the program could be in the library: art, career fields, social justice, natural disasters, biographies, currency, newsmakers of the 21 st century, geography, history, children of war.	A version of the concepts covered in Reading 6 and Reading 7 with specific support to Language Arts Content Vocabulary for students in ESOL Level 1.
Advanced English 6	English 6	Advanced English 7	English 7	Advanced English	English 8	Language Math Mid School
<i>View from Saturday</i> : Calligraphy, Academic Bowl <i>White Mountains</i> : HG Wells, Sci Fi <i>The True Confessions of Charlotte Doyle</i> : Slavery, 1800's shipping Introduction to Shakespeare / Writing & Reading Strategies / Characterization / Theme / Figurative Language / Mood / Tone	<i>Where the Red Fern Grows</i> : Ozarks, hunting dogs <i>Maniac Magee</i> : Child Protective Services, Homelessness, Racism, Baseball / <i>Holes</i> : Juvenile Detention Camps, Texas, Drought / Introduction to Shakespeare / Writing & Reading Strategies / Characterization / Theme / Figurative Language / Mood / Tone	<i>The Wednesday Wars</i> : Vietnam Era, Catholicism, Judaism, Presbyterian, Baseball, Shakespeare / <i>The Glory Field</i> : Slave Ships, Plantations, Harlem Renaissance, Civil Rights Movement, African-American / Holocaust Literature Circles: Anne Frank, WWII, Hitler, Concentration Camps, Judaism, Eastern-European Immigrants / <i>A Midsummer Night's Dream</i> : Fairies, Intro to Shakespeare / Writing & Reading Strategies / Characterization / Theme / Figurative Language / Mood / Tone / Plot / Grammar	<i>The Outsiders</i> : 1960's Americana, Clothing, Hot-Rods, Drive-Ins, Elvis, The Beatles, Paul Newman, Greaser Gangs / <i>The Cay</i> : 1930-40's Racism, The Caribbean, WWII Submarines / <i>Daniel's Story</i> : WWII, Hitler, Concentration Camps, Judaism, Easter-European Immigrants / <i>A Midsummer Night's Dream</i> : Fairies, Intro to Shakespeare / Writing & Reading Strategies / Characterization / Theme / Figurative Language / Mood / Tone / Plot / Grammar	<i>The Pearl</i> : Steinbeck, Mexico, Colonization / <i>Cuba 15</i> : Cuban Americans, Quinceneras / Edgar Allen Poe, Horror Genre / <i>Animal Farm</i> : Communism, 1950's, Cold War / <i>Twelve Angry Men</i> : US Court System / <i>Frederick Douglass</i> : Slave Trade, Slavery, Pre-Civil War America / <i>As You Like It</i> : Intro to Shakespeare / Writing & Reading Strategies / Characterization / Theme / Figurative Language / Mood / Tone / Plot / Grammar	Shorty Story Elements / Edgar Allen Poe, Horror Genre / <i>The Giver</i> : Utopia, Sci-Fi Genre / <i>The Watsons go to Birmingham</i> : Racism, 1960's South, Civil Rights / <i>As You Like It</i> : Intro to Shakespeare / Writing & Reading Strategies / Characterization / Theme / Figurative Language / Mood / Tone / Plot / Grammar	A version of the concepts covered in Math 6 and Math 7 with specific support to academic mathematical language for students in ESOL Level 1.
Math 6 (Math A)	Math 7 (Math B)	Algebra Prep (Math C)	Math Investigations	Algebra 1	Honors Geometry	Honors PreCalculus
Data Collection & Analysis / Graphical representations & Statistics / Stand. Measure. tools & units / Estimations / Multiplication & Division / Fractions / Integers Ratios / Proportions Geometric Constructions / Angles, Perimeter, Area, Volume, Standards of Measurement / Functions / Exponents / Probability	Interpretation of Data / Statistics use in real world / Linear relationships Exponents / Integers / Scientific Notation / Alg. patterns & relationships / Powers & Roots Constructions, Lines / Angles, Perimeter, Area, Volume Ratios / Proportions / Functions	Real Numbers / Exponents / Statistical Measures / Data / Probability / Patterns / Linear relationships / Geometric Constructions Angles, Perimeter, Area, Volume, Standards of Measurement	Graphical relationships & statistical measures / Set Theory / Rational / Irrational No. / Operations / Proportions / Geometric Constructions Angles, Perimeter, Area, Volume, Standards of Measurement / Patterns & Linear relationships / Base systems / Probability	Equations & Inequalities in a Single Variable / Introduction to Functions Linear Equations & Inequalities in Two Variables / Systems of Equations & Inequalities / Data Analysis & Probability Exponents / Polynomials Quadratic / Exponential Functions	Geometric Terms & Units / Inductive & Logical Reasoning Polygons / Congruence / Indirect Measurement Three Dimensional Geometry & Measurement / Similarity Circles / Trigonometry	Functions and Models / Trigonometric Function / Trigonometric Identities / Rational Functions / Exponential and Logarithmic Functions / Vectors, Parametrics, and Polars Discrete Math

METS ESOL Mid School	ESOL Lev 1 Middle School	ESOL Lev 2 Middle School	ESOL Lev 3 Middle School	Acad. Language Mid Sch	French 1	French 2
<i>METS is Multidisciplinary Education, Training, and Support for high-mobility-rate affected students who have had limited, or significant gaps in, their education.</i> Developing English language proficiency / basic literacy / basic academic skills / introduction to school building, procedures & culture	Consonant & Vowel Sounds / Greetings / Introductions / Oral directions / Story Retelling / Note taking / Types of People / 5W's / Daily Routines / After-School Activities / Tense / Pronouns / Prepositions	"To Be" verbs / contraction / possessive pronouns / polite requests / nouns / possessives / plural / compound words / locations / directions / food / music / sports / routines / weather	Parts of Speech / Subject-Verb Agreement / Character Traits / Cultural Differences / Quotation Punctuation / Writing Process / Modifiers / Compare-Contrast / Biographies / High-interest lower Lexile fiction & informational texts / Poetry-Odes / Text Structure-Main Idea & Details / Plot Structure / POV / Tone / Personal Connections/ Theme / Data Collection & Research	<i>For Students with little to no English, the following themes are used to introduce students to the academic language of social studies, science, and math and their grammatical structures:</i> Learning about the school / directions / places / Shapes / currency / Food Pyramid / Scientific Method	*World Language classes in MCPS teach vocabulary and grammatical structure of the language by examining the cultural differences between the US & cultures that speak the target language in the following topics: Introductions / Classroom / Activities / Friends / At School / Family / Around the Neighborhood / Meals / Clothing / Travel	*Please See Note under French 1: About Myself / Occupations / Pastimes / At the Restaurant / School Life / Home Life / Shopping / Going on Vacation
Phys Ed Grade 6	Phys Ed Grade 7	Phys Ed Grade 8	Perspectives	Spanish 1	Spanish 2	Honors Spanish 3
The MCPS PE Departments rotate students in each of the three grade levels through various units. There is no prescribed order; it is school-by-school based on the equipment in the school. At LMS we have the following available units: Net Games – badminton, pickle ball, table tennis, tennis, volleyball, basketball, field hockey, floor/street hockey, football, lacrosse, rugby, soccer, team handball, archery, body sculpting, bowling, cricket, golf, softball, track and field, wrestling			Magnet core class: interdisciplinary intro to fine arts: visual art, music, theatre, and dance: elements / communication / expression / role in different cultures / appreciation / criticism / history	*Please See Note under French 1: Introductions / Getting Acquainted / School / Food / Pastimes / Family / House / Clothing / Stores / Travel	*Please See Note under French 1: About Myself / School Life / Daily Routines and Chores / Shopping / Community / Memories / Disasters and Emergencies / Injuries / Restaurant Experiences / Vacations	*Please See Note under French 1: Typical Day / Free Time / Personal Interests / Wellness / Friendship / Working and Volunteering / Our Planet / Rights and Responsibilities
Health Grade 6	Health Grade 7	Health Grade 8	Intro Computer Art	Exploring Art	Fund Visual Art	Foundations of Art
Self-Image, Emotions, Stress Management / School, Home, Outdoor Safety & Emergency Response / OTC Drugs & Tobacco / Puberty & Reproduction / Sun & Tobacco Disease, HIV AIDS, Media Messages on Disease / Nutrients, Dietary Guidelines, Food Safety, Exercise & Weight Control / Community Health Care & Services	Self-esteem, communication, conflict-resolution / Emergency Response, First Aid, Media Harassment / Marijuana, Tobacco resistance, Alcohol, media pressure, AA/NA services / Communicable vs. non, STD/STI / Nutrients, Dietary Guidelines, Eating Disorders, Fitness & Weight Control / Online Health Services	Goal setting / Responsible choices - safety / Advertising Techniques & Consequences (physical, financial & psychological) of Alcohol, Tobacco & Drugs / Healthy Relationships, Sexual Decisions, Pregnancy – Science & Prevention / Disease Prevention, Disease Transmission/ Weight Management, Eating Disorders / Consumer Choice	Principles of color, texture, and form / drawing / painting / digital art / digital formats / art history across cultures / evaluate and critique art	Color: tint, shade, hue, atmosphere, blending shading, depth, mood, changing intensity directs the viewer's attention, suggest depth, and create shadows and highlights. A triad brings three equidistant colors together	Collages / Drawing Line Objects & the Human Form / Three Dimensional Drawing / Decorative or Functional Craft / Art History / Symbols / Painting: Color, Design, Pattern / Printmaking / Sculpture	
Exploring Dance	Funds of Dance	Dance/Fine Art	Lights/Camera/Literacy	Beginning Theater	Funds of Theater	Theater 1
Agility / alignment / articulation, balance / endurance / flexibility / placement / power / speed / strength / timing / elements of dance: body, space, time, & energy / communicate meaning & theme / ballet / modern / jazz / Latin	African / tap / folk / physical technique / dance as a fine art / historical, cultural, and social contexts of dances / time, energy, force, shape, and space through movement	Responding to Dance / Dance as part of history and the human experience / Creative and Artistic Movement / Making Aesthetic Judgments in Dance / Critique and Evaluation	Integrating, deconstructing, and creating the moving image / inference / vocabulary: lexicography, chess, and film / deconstruct information at the literary, dramatic, and cinematic levels / apply the various skills and use technology to produce a short film.	As the arts magnet, the theater classes are given different course names to distinguish which grade level student is taking each class. Once a student is in 8 th grade, they may earn high school credit for Theater 1A/1B. The following concepts are taught in a spiral with increasing levels of difficulty: Human behavior translated into a written drama / play production / presentation to an audience / aesthetics / history / criticism / workshop training / acting / theater production skills		
Band Grade 6	Beginning Wind & Percussion	Beginning Strings	Intermediate Band	Intermediate Orchestra	Concert Orchestra	Concert Band
Because of our magnet status, beginning instrumental music students are separated into classes by sixth grade, then seventh and eighth graders are separated by Wind & Percussion / Strings to get a more complete experience in the following: basic instrumental skills / cultural context of the music / historical significance / elements of musical form / terms and symbols / tone production / instrument care and maintenance / consistent practice habits			As with beginners, students are separated into classes by instrument: Formal rehearsal decorum / following a conductor / developing pitch / rhythmic security / melodic form & construction / folk melodies and melodies from master composers / social and intellectual influences that affected the creation of the music / aesthetic criteria for measuring the quality of instrumental performance		As the arts magnet, the concert orchestra and band classes are given different course names to distinguish which grade level student is taking each class. Once a student is in 8 th grade, they may earn high school credit for Concert 1A/1B. The following concepts are taught in a spiral with increasing levels of difficulty: Abstract vs. programmatic music / social, intellectual, and historical influences on music / perform and historically categorize transcriptions of a variety of composers / perform music at the Grade III level of difficulty / Basic transposition / melodic dictation / triad development / music history / performance critiques / musical composition	
Concert Band 1A & 1B	Chorus Grade 6	Gen Music Grade 7	General Chorus	Chorus 1	Sources: Chart prepared by Amy Soldavini	
Abstract vs. programmatic music / social, intellectual, and historical influences on music / perform and historically categorize transcriptions of a variety of composers / perform music at the Grade III level of difficulty / Basic transposition / melodic dictation / triad development / music history /	Individual and ensemble vocal skills / Mastery of breath control / vocal production / diction / intonation / tone blending / singing in harmony / music-reading proficiency (including sight-singing)	As the arts magnet, the chorus classes are given different course names to distinguish which grade level student is taking each class. Once a student is in 8 th grade, they may earn high school credit for Chorus 1. The following concepts are taught in a spiral with increasing levels of difficulty. Choral singing / sight-reading skills / choral literature is from various cultures & historical eras / performance			Curriculum Archive. MCPS. Web. September 23, 2011. https://my-mcps.mcpsmd.org/sites/archive/default.aspx Guide to the Middle School Program. MCPS. January 2011. Web. September 23, 2011. http://www.montgomeryschoolsmd.org/curriculum/middleschool/pdf/MiddleSchoolCourseBulletin.pdf Interviews with Loiederman Middle School content-area teachers. September 25 – October 3, 2011. School Course Catalogs [High School]. MCPS. January 2011. Web. September 23, 2011.	

performance critiques / musical
composition

<http://apps.montgomeryschoolsmd.org/coursebulletin/SchoolCourseCatalogs/Index/All>