

Metro Academic and Classical High School
Course Catalog
2022-2023

ENGLISH

| Course Name | Course Code | Course Description |
|--|----------------|--|
| FRESHMAN LITERATURE/ COMPSOTION 150 1-2 | 05101 05102 | In Freshman Literature and Composition 150 students will use single focus texts each quarter to study the major literary genres in-depth. Students will closely examine, through reading, research, and writing, each work's historical context, themes, and literary elements. The guiding question around which each quarter's work is built will be, "Who am I, and what does it mean to be a part of a society?" Built around the focus text will be a variety of other, shorter works representing a wide range of genres and viewpoints that support and supplement students' exploration. Throughout students will write in the following rhetorical modes: Summary and paraphrase, Autobiographical narrative, Expository, Persuasive/Argumentative, and Creative. In addition, fundamental vocabulary words/skills and key research concepts will be applied. Where feasible and appropriate, the curriculum will recommend connections to concepts and texts taught in American Government 150. |
| AMERICAN LITERATURE/ COMPOSITION 350 1-2 | 05301 05302 | In American Literature & Composition 350 students focus will shift to the story of American society. The guiding question for American Literature & Composition 300 will be, "Who are we as a people?" and "What does it mean to be American?" Students will examine what literary history tells us about changes in American society and the people who live here; shifting social values, emerging social movements, and ongoing struggles. The course will take a largely chronological perspective that corresponds closely to American history. Major works will be supplemented with short fiction and nonfiction essays, as well as poetry written by significant American writers. Throughout students will write in the following rhetorical modes: Summary and paraphrase, Literary analysis, Problem-Solution, Expository, and Persuasive. Vocabulary words/skills and research concepts will continue to spiral upward, with an emphasis on media literary and research-based literary analysis. Where feasible and appropriate, the curriculum will recommend connections to concepts and texts taught in American History 350. |
| WORLD LITERATURE/ COMPOSITION 250 1-2 | 05201 05202 | In World Literature & Composition 250, Students will continue building upon the habits of mind established in Freshman Literature & Composition 100, as they probe literature more deeply to understand increasingly complex philosophies and perspectives, extending their exploration of self and society. The guiding question for World Literature will be, "What does it mean to be a part of this world? What stories and struggles help define the human experience?" Major works will be supplemented with mythology, short fiction essays, and poetry representing major cultures, philosophies, and genres. Throughout students will write in the following rhetorical modes: Summary and Paraphrase, Comparison/Contrasts, Persuasive, Expository, and Classification. Vocabulary words/skills and fundamental research concepts will continue to spiral upward throughout the course. Where feasible and appropriate, the curriculum will recommend connections to concepts and texts taught in World History 250. |

| | | |
|---------------------------------------|----------------|--|
| IB WORLD LITERATURE 1-2 | 97001 97002 | This two year course of study links to World Literature 1 and 2 (05053 and 05054) and meets all state and district requirements. Students are engaged in the careful reading of local, national, and international literary works. Through such study, they sharpen their awareness of language and their understanding of the writer’s craft. They develop critical standards for the independent appreciation of a literary work, and they increase their sensitivity to literature as a shared experience. To achieve these goals, students study the individual works: their language, characters, meaning, action, and themes. They consider their structure, value and relationship to contemporary experience as well as to the times in which they were written. |
| ENGLISH LITERATURE 450 1-2 | 05401 05402 | In English Literature 450, students will round out their study of Communication Arts by turning their attention to the works of English- speaking cultures, starting with the literature of Great Britain and spreading out across the globe. Guiding questions in English literature will be, “What is ‘English,’ how has English affected the world, and how has the world affected English?” The course will examine British literature as well as works representing the Commonwealth. The course will take a combined chronological, thematic and cultural approach. Major works will be supplemented with mythology, short fiction essays, and poetry representing significant writers, philosophies, and cultural perspectives. Throughout students will write in the following rhetorical modes: Summary and paraphrase, Informative (research-based project), Persuasive, Comparison/Contrast, Cause and Effect. Research-related skills and concepts will comprise an important part of the course, with particular emphasis on integrating researched information with students own ideas and writings; quoting from and citing sources; and creating a Works Cited page. |
| AP ENGLISH LITERATURE AND COMPOSITION | 80601 80602 | AP English Literature and Composition is a course designed to prepare students for future college work and the AP Eng Lit & Comp examination. By examining challenging English literature and applying literary analysis skills, students will develop their self-confidence and ability to do critical reading, writing, and thinking that is necessary for college work. |
| AFRICAN AMERICAN LITERATURE 1-2 | 05163 05164 | This twelfth grade course presents a survey of major African American writers through the integration of skills in listening, speaking, reading/literature, vocabulary development, writing, language structure, and study skills. |
| IB WORLD LITERATURE 3-4 | 97003 97004 | A continuation of IB World Literature – 1-2. Prerequisite: Successful completion of IB World Literature - 1 & 2 or permission from the Department Head. |

SOCIAL STUDIES

| | | |
|-----------------------------|----------------|--|
| AMERICAN GOVERNMENT 150 1-2 | 10101 10102 | In American Government 150 students will examine the foundations of government and law in the United States and the State of Missouri, as well as fundamental economic principles and how the U.S economy operates in a global community. The course also examines basic themes of geography and an overview of the geography of the United States and the world. This course will complement Freshman Literature and Composition 150 by drawing upon the themes and concepts discussed in the literature related to government and law. |
| WORLD HISTORY 250 1-2 | 10201 10202 | In World History 250 students will examine the broad scope of world history from the ancient world to the modern era. Although this will be a survey course, students will examine selected topics and themes periodically throughout the course. The course will continue to develop the skills of historical thinking that are introduced in the previous course, as well as the historical geography and geography skills needed to understand world history. The course will complement World Literature & Composition 250 by drawing upon themes and concepts discussed in the literature related to world history. |
| AP WORLD HISTORY 1-2 | 10281 10282 | AP World History is a course designed to prepare students for college work and the AP examination. The course will highlight the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. Periodization from circa 8000 B.C.E. to around 1750 forms the organizing principle. The interaction of themes and periodization will encourage students to formalize cross-period questions and find analytical solutions that will be expressed orally and in writing. |
| AMERICAN HISTORY 350 1-2 | 10301 10302 | In American History 350 students will examine how the events, individualism and trends in US history are interrelated and influenced by economic, political, religious, and social forces. This course will primarily examine multiple perspectives on historical events, political and legal developments, and relationships among different socioeconomic, racial, cultural, and religious groups. This course will survey American history broadly, providing ample opportunity to examine topics and themes in greater depth. In addition, American History will complement American Literature & Composition 350 by drawing upon the themes and concepts discussed in the literature related to American History. |
| IB GLOBAL POLITICS | 97059 97060 | The DP global politics course explores fundamental political concepts such as power, equality, sustainability and peace in a range of contexts. It allows students to develop an understanding of the local, national, international and global dimensions of political activity and processes, as well as to explore political issues affecting their own lives. The course helps students to understand abstract political concepts by grounding them in real-world examples and case studies. It also invites comparison between such examples and case studies to ensure a wider and transnational perspective. Teachers explicitly teach thinking and research skills such as comprehension, text analysis, transfer, and use of primary sources. The study of global politics enables students to critically engage with different and new perspectives and approaches to politics in order to comprehend the challenges of the changing world and become aware of their role in it as active global citizens. |
| IB HISTORY OF | 97011 | History of Americas is a 2 year course of study which links to American History 1 and 2 (10111 and 10112) and therefore, meets all state and district requirements. It is |

| | | |
|----------------------------|----------------|--|
| AMERICAS 1-2 | 97012 | studied from a thematic approach, where applicable, but the chronological development of the chosen theme is of great importance. Thus, in the first year of study, course emphasis is placed on the earliest historical periods of the Americas, the period from about 1650 to the end of the nineteenth century. The second year is then given over to those themes that had an important impact during the 1900's. |
| IB HISTORY OF AMERICAS 3-4 | 97013 97014 | A continuation of IB History of Americas - 1. Prerequisite: Successful completion of IB History of Americas - 1 & 2 or permission from the Department Head. |
| AFRICAN AMERICAN HISTORY | 10193 10194 | This course studies the development of the African-American race from its African origins through the oppression of slavery and the struggle for civil rights into present day events, people, and policies. This course will place emphasis on African-American resiliency, talent, and social, political and economic impacts. Students will have the opportunity to develop cultural pride and appreciation while becoming conscious about contemporary issues facing African-Americans. Open to grade 12 students. |

MATHEMATICS

| | | |
|------------------|----------------|--|
| ALGEBRA 150 1-2 | 15121 15122 | Algebra 150 will help students acquire an understanding of numbers and increased proficiency in mathematical operations and algebraic notations. Students will study real numbers, operations, exponents, ratios, proportions, patterns, graphs, linear equations, inequalities, systems of linear equations and quadratic equations. The course will also introduce students to factoring, angle relationships, the Pythagorean Theorem, data collection, data plots, sample space, and probability. A portion of the course will also be devoted to a data project, allowing students to demonstrate their understanding of survey design, data collection, and graphical representation of information. |
| GEOMETRY 250 1-2 | 15221 15222 | Geometry 250 will help students acquire an understanding of geometric and spatial relationships. Students will study real numbers, operations, and patterns. They will investigate angles, parallel and perpendicular lines, circles, two- and three-dimensional objects, surface area, volume, Cartesian coordinates, sample space, probability distribution, constructions, transformations, and symmetries. The course will also introduce students to inductive and deductive reasoning, which they will use to establish the validity of conjectures, prove theorems, and critique the arguments of others. |
| ALGEBRA 350 1-2 | 15321 15322 | Algebra 350 (Algebra II) will help students acquire an understanding of real world applications of mathematical procedures as they prepare for higher- level mathematic courses. Students will study real numbers, operations, and patterns as they extend their understanding of algebraic concepts. They will work with matrices, complex numbers, logarithms, polynomial functions and their inverse, systems of equations and inequalities, transformations, mathematical models, scatter-plots, and statistics. The course will also introduce students to the concept of limits. |

| | | |
|---|----------------|--|
| IB MATHEMATICAL STUDIES 1-2 | 97021 97022 | This course is a unified mathematics course that details an inquiry approach to topics from Algebra (15021, 2), Geometry (1031, 2), Trigonometry (15233, 4), Probability and Statistics (15501, 2) and an introduction to Differential Calculus (15431, 2). Students will start with practical investigations where possible, followed by an analysis of results that will lead them to the understanding of a mathematical principle and its formulation into mathematical language that will provide meaningful context for them to synthesize. |
| COLLEGE ALGEBRA & TRIGONOMETRY 1-2 | 15233 15234 | This course is a detailed study of various functions selected from college algebra and trigonometry and is presented in a way that will prepare students for a study of calculus. The scope includes a study of polynomial, rational, exponential, logarithmic, and trigonometric functions, applications of trigonometric functions, applications of trigonometry, partial fractions, and mathematical induction. Student must have completed Advanced Algebra. |
| TRIGONOMETRY/ ANALYTICAL GEOMETRY 450 1-2 | 15421 15422 | Trigonometry/Analytic Geometry 450 consists of one semester of Trigonometry and one semester of Analytic Geometry. Students will study real and complex number systems, operations, and patterns as they extend their understanding of functions and relations. They will work with matrices, vectors, logarithms, angles in degrees and radians, trigonometric functions and graphs, the Cartesian and Polar coordinate systems, transformations and limits. The course will also provide students with opportunities to extend their mathematical knowledge through modeling and activities that prepare them for mathematical careers in our technology-oriented society. Prerequisites: Algebra 150-1, 2; Geometry 250-1, 2; Advanced Algebra 350-1, 2. |
| AP CALCULUS BC 1-2 | 80613 80614 | AP Calculus is a course designed to prepare students for college work and the AP examination. The course introduces the nature of and the use of the derivative and the indefinite and definite integral. Continuous functions and logarithmic and exponential functions are presented. Students will be able to work with functions represented in a variety of ways: graphical, numerical, and/or verbal. Pre-requisite: Trigonometry/Analytical Geometry 450 |
| AP STATISTICS | 15503 15504 | AP Statistics is a course designed to prepare students for college work and the AP examination. Students will use technology, projects and laboratories, cooperative group problem solving, and writing as a part of concept-oriented instruction and assessment. Students will use technology to do the interactive, investigative aspects of data analysis. Students will build interdisciplinary connections with other subjects and with their world outside of school. |

SCIENCE

| | | |
|--------------------|----------------|---|
| HONORS BIOLOGY 1-2 | 20281 20282 | Honors Biology is a two-semester course designed to prepare students for success in college level science courses or science courses to support careers in the life sciences. This laboratory science course will include all of the course work that is required in Biology 250. In addition, the material presented in the honors course is offered at an accelerated pace, covers more depth, and has more application expectations than Biology 250. Instruction will emphasize investigative laboratory experiences, |
|--------------------|----------------|---|

| | | |
|------------------------------|----------------|--|
| | | independent research and analysis, and the planning and execution of scientific projects. Recommended Prerequisites: 9th graders ---student grade point average of 3.0 or better and an 8th grade teacher recommendation: 10th graders- Successful completion of one year of laboratory science (Physical Science) with a B or better and/or teacher recommendation. |
| CHEMISTRY 1-2 | 20361 20362 | In Chemistry 350 students will acquire understanding of scientific concepts, knowledge of scientific facts, and proficiency in scientific process skills. The course will include a study of the metric system, dimensional analysis, density, units used in chemistry, states of matter, kinetic-molecular theory, differences between physical and chemical properties, atomic structure, relationships and trends seen on the periodic table, the octet rule, quantum mechanics, categories of compounds, and types of reactions. Students will also develop problem-solving skills for balancing equations, for working with molecular mass and percent composition, and for calculations with moles, empirical formulas, molecular formulas, and stoichiometry. Recommended Prerequisites: Biology 1 & 2 |
| ANATOMY & PHYSIOLOGY 1-2 | 20170 20171 | Anatomy and Physiology is a course that is an in-depth introduction to the anatomy and physiology of the human body. The course will provide students with a foundation of biology regarding the structures and functions of the systems of the human body. The course emphasizes the integration of the various organ systems and the relationships of each to the total organism. Emphasis will be placed on terminology, laboratory experiences, and clinical case studies to illustrate anatomical and physiological concepts. This course is designed for students interested in pursuing medical and/or health-related fields (such as medical doctors, nursing, physical therapy, etc.). Recommended Prerequisites: Biology - 1 and 2; Chemistry - 1 and 2 |
| AP ENVIRONMENTAL SCIENCE 1-2 | 20451 20452 | AP Environmental Science is a course designed to prepare students for college work and the AP examination. Students will use the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. |
| IB BIOLOGY 1-2 | 97015 97016 | This two year course meets the requirements for the experimental sciences component of the International Baccalaureate Diploma Programme and leads to a certificate or an IB diploma. Topics listed under Advanced Biology (20120) will be covered in detail, with an emphasis of cell physiology and genetics. Items listed under Environmental Science (20421and 20422) will be explored with the addition of many of the principles of population genetics. A strong emphasis on human physiology, including numerous experiments, will extend on the items covered in Anatomy and Physiology (20160). The Group IV Project included in this course involves a research project similar to that outlined in Honors Science 1 and 2 (20431and 20432). Prerequisite: Pre-IB Biology, Chemistry, and administrative approval. Only Grade 11 students may enroll. |
| IB BIOLOGY 3-4 | 97017 97018 | A continuation of IB Biology - 1. Prerequisite: Successful completion of IB Biology - 1 & 2 or permission from the department head. |
| IB PHYSICS 1-2 | 97041 97042 | This two year course meets the requirements for the experimental sciences component of the International Baccalaureate Programme and leads to a certificate or and IB Diploma. Physics is the most fundamental of the experimental sciences, as it seeks to explain the universe itself from the very smallest particles – currently accepted as quarks, which may be truly fundamental – to the vast distances between galaxies. The Diploma Programme Physics course allows students to develop |

| | | |
|--|----------------|---|
| | | traditional, practical skills and techniques and increase their abilities in the use of mathematics, which is the language of physics. It also allows students to develop interpersonal and digital communication skills which are essential in modern scientific endeavor and are important life-enhancing, transferable skills in their own right. Topics listed under the IB Physics course are: measurements and uncertainties, mechanics, thermal physics, waves, electricity and magnetism, circular motion and gravitation, atomic, nuclear and particle physics, energy production, wave phenomena, fields, electromagnetic induction, and quantum and nuclear physics. The Group IV Project involves research, investigation, analysis, and writing. Prerequisite: Honors Biology and Chemistry. Only Grade 11 students may enroll. |
| IB PHYSICS 3-4 | 97043 97044 | A continuation of IB Physics – 1-2. Prerequisite: Successful completion of IB Physics – 1-2 or permission from the Department Head. |
| IB SPORTS, EXERCISE AND HEALTH SCIENCE | 97057 97058 | Sports, exercise and health science (SEHS) is an experimental science course combining academic study with practical and investigative skills. SEHS explores the science underpinning physical performance and provides the opportunity to apply these principles. The course incorporates the disciplines of anatomy and physiology, biomechanics, psychology and nutrition. Students cover a range of core and option topics, and carry out practical (experimental) investigations in both laboratory and field settings. The course offers a deeper understanding of the issues related to sports, exercise and health in the 21st century and addresses the international dimension and ethics related to both the individual and global context. Apart from being worthy of study in its own right, SEHS is good preparation for courses in higher or further education related to sports fitness and health, and serves as useful preparation for employment in sports and leisure industries. |

WORLD LANGUAGE

| | | |
|------------|----------------|--|
| FRENCH 1-2 | 25201 25202 | This is a beginning course in French which develops communication skills and introduces general information about all cultures where the French language is spoken. In the second semester, the development of skill in reading and writing plays a more prominent role in daily instruction. |
| FRENCH 3-4 | 25203 25204 | Students develop increased understanding of the language through the introduction of new grammatical structures, vocabulary and additional practice in conversing, reading and writing. Cultivation of an awareness of Francophone cultures plays a larger role in instruction. In the second semester, students' progress toward increased proficiency in the language through the introduction of still more challenging grammar concepts and vocabulary. The study of French-speaking cultures continues. |
| FRENCH 5-6 | 25205 25206 | Students converse about topics covered in French 1-4. They will become aware of individuals prominent in history and the arts in French-speaking cultures. In the second semester, students continue to develop an understanding of the language and the societies in which it is spoken through listening, speaking, reading and writing activities of increased difficulties. |
| FRENCH 7-8 | 25207 25208 | Students enlarge their vocabularies by reading in the original selected pieces by French and Francophone writers from previous eras. Students demonstrate mastery of all linguistics skills learned in French 1-6. Optimum opportunities to speak the language are provided. In the second semester, students refine skills in listening, speaking, |

| | | |
|---------------|----------------|--|
| | | reading and writing French. |
| IB FRENCH 1-2 | 97007 97008 | This advanced level French course meets all state and district requirements to correspond to the fourth year French course published in the Curriculum Catalog of the St. Louis Public School District (25207 and 25208- French 7 and 8). In addition to meeting those requirements, this course is offered for IB credit, as well as college credit through the University of Missouri at St. Louis (corresponding to their five-credit intensive French II course). While further developing their speaking, reading, and writing skills in all tenses and parts of speech, the main focus of the course is preparation of students. |

| | | |
|----------------|----------------|---|
| SPANISH 1-2 | 25301 25302 | A beginning course which emphasizes communication skills. Students are introduced to daily life in Spanish-speaking cultures. In the second semester, students continue to improve communication skills. They learn more about Spanish-speaking peoples, their lives and their countries. |
| SPANISH 3-4 | 25303 25304 | Students improve the ability to read and speak Spanish learned in the first year. Longer selections in the target language from the literature of the Spanish people and about their culture are included. In the second semester, students' progress toward the mastery of identified skills. |
| SPANISH 5-6 | 25305 25306 | Students continue to develop proficiency through speaking, reading, writing and listening activities. Attention is given to the culture of the various Latin American countries and Spain. A wide selection of reading materials in the Spanish language is used. In the second semester, specific attention is given to reading and writing in Spanish. |
| SPANISH 7-8 | 25307 25308 | Features readings in Spanish prose, poetry and contemporary periodicals which review and provide practice in language structure. The second semester stresses fluency and greater proficiency in oral and written |
| IB SPANISH 1-2 | 97005 97006 | This advanced level Spanish course meets all state and district requirements to correspond to the fourth year Spanish course published in the Curriculum Catalog of the St. Louis Public School District (25307 and 25308 – Spanish 7 and 8). In addition to meeting those requirements, this course is offered for IB credit, as well as college credit through St. Louis University. While further developing their speaking, reading, and writing skills in all tenses and parts of speech, the main focus of this course is the preparation of the student for the rigorous IB tests. |

HEALTH

| | | |
|-----------------------|-------|---|
| HEALTH AND WELLNESS 1 | 90453 | <p>Introduction to Health will be a semester long course that will cover the seven Missouri Health standards. The course will be divided into five major units, each focusing on an important human system. Throughout the semester two essential questions will be investigated: "How does this issue affect my life?" and "How do my actions and choices affect this issue?" Each unit will address three types of learning: key Information, discussions, and presentations.</p> <p>The final presentation portion will allow students to research a topic of personal interest and then present it to the class in the format of an essay, short story, research article, poster board, or oral presentation.</p> |
|-----------------------|-------|---|

PHYSICAL EDUCATION

| | | |
|------------------------------|-------|--|
| BASIC PHYSICAL EDUCATION 1-2 | 90001 | This course is required of all students who are taking physical education for the first time at the high school level. The course consists of four instructional units of five weeks each in the following areas: physical fitness, including physical fitness testing and exercise prescription as the main points of focus and three different units selected from the areas of gymnastics, sports, dance, recreational activities, aquatics and health ramifications of exercise. During the second semester, the four five-week units in which the students participate must be different from those units offered the first semester. |
| | 90002 | |

PRACTICAL ART

| | | |
|---|-------|---|
| PREPARATION FOR NATIONAL EXAMINATIONS 1-2 | 95021 | This course is a collaborative offering team-taught by mathematics and English departments. Enrollment is limited to 11th grade students who are preparing to take pre-college admissions examinations administered by the American College Testing programs (ACT) and the College Board's Scholastic Aptitude Test (SAT). To enhance proficiencies in tested areas, students will review relevant mathematics/English content, practice tested skills and learn to apply appropriate test-taking strategies. |
| | 95022 | |

FINE ART

| | | |
|---------------|-------|---|
| ART HISTORY | 35130 | Art History will study the development of art in its various forms from man's earliest efforts to express the mind and spirit visually to the works of the present day. Recommended for seniors. |
| MUSIC HISTORY | 40111 | Recommended for interested students in grades 12 who may or may not have previous experience in the study of music. A study of the basic elements of music, notation, instruments, careers in music, the history of music of the western world, American musical theater, jazz, ethnic music of the world's peoples and pop music in America. |

ELECTIVES

| | | |
|--------------------------------|-------|--|
| AFRICAN AMERICAN LITERATURE- 1 | 05163 | This twelfth grade course/eleventh grade elective presents a survey of major African American writers through the integration of skills in listening, speaking, reading/literature, vocabulary development, writing, language structure, and study skills. |
| | 05164 | |
| AP PSYCHOLOGY 1-2 | 20481 | AP Psychology is a course designed to prepare students for college work and the AP examination. Students will be asked to define, compare, and apply concepts and |

| | | |
|-----------------------------------|----------------|--|
| | 20482 | research findings of the 14 key topics and fields of study in Psychology. Students will be expected to employ psychological research methods, demonstrate ethical consideration, use scientific methods, analyze bias, evaluate claims and evidence, and effectively demonstrate the ability to write clearly organized and factually supported ideas using grammatically correct sentences. |
| BEGINNING INSTRUMENTS, GUITAR 1-2 | 40403 40404 | This course is for interested students in grades 9-10 who have had little or no guitar experience. Topics include: fundamental techniques of guitar playing, care of instrument, treble clef, chord symbols and tablature, accompaniment styles and vocabulary of the discipline |
| BEGINNING INSTRUMENTS, PIANO 1-2 | 40405 40406 | This course is for interested students in grades 9-10 who have had little or no keyboard experience. Keyboard techniques, qualities of acoustic and electronic keyboards, treble and bass clefs, basic piano methods and literature, and vocabulary of the discipline. |
| BEGINNING INSTRUMENTS, WINDS 1-2 | 40401 40402 | This course is for interested students in grades 9-10 who have had little or no experience on a wind instrument. Topics include fundamental techniques of embouchure and fingerings, care of instrument, ensemble playing, and vocabulary of the discipline. |
| CERAMICS | 35151 35152 | Ceramics 1-2 students will learn about simple hand building processes, the cultural, chemical and geologic origins of clay and simple glaze decoration. Prerequisite: Introduction to Art or permission from teacher. |
| COMPUTER SCIENCE 1-2 | 61081 61082 | In Computer Science, 1-2 students will spend an extensive amount of time coding, debugging, and running their own programs. C++ will be the primary language. |
| CONCERT BAND | 40390 40392 | Recommended for students in grades 9 through 12 and who have attained some proficiency on a wind, brass or percussion instrument. A performing organization with some performance outside school hours to study and present fine quality literature. An understanding of the wind and percussion sonority, music history and theory and stage decorum. This group may function as the marching band at the appropriate time. This course may be repeated for credit. Teacher approval is required. |
| CONTEMPORARY ISSUES | 10998 1099 | Contemporary issues explores current local, state, national and international issues including pluralism and human rights, energy, technology and the environment, social issues, and global interdependence. These areas will be analyzed for their causes and future implications. |
| DRAWING AND PAINTING 1-2 | 35111 35112 | Drawing and Painting 1-2 Instruction will be geared to improving skills in drawing and composition before beginning the serious study of painting. Become familiar with various media such as pencil, pen, crayon, brush, ink, charcoal and watercolor used on a variety of paper surfaces. Painting will involve working with the art elements: line, shape, form, texture, color and space relationships. Prerequisite: Introduction to Art or Foundations of Visual Art. |
| ECO- ACT 1-2 | 20108 20109 | Eco-Act is a course working in conjunction with the Missouri Botanical Garden to introduce ecology to elementary level students and is taught by high school students for community service. |

| | | |
|--|------------------------|---|
| <p>IB FILM STUDIES SL 1-2</p> | <p>97051 97052</p> | <p>Through the study and analysis of film texts and exercises in filmmaking, the International Baccalaureate Diploma Programme film course explores film history and theory and enables students to appreciate the multiplicity of cultural and historical perspectives in film. Students will be expected to demonstrate: An understanding of the variety of ways in which film creates meaning; effective use of appropriate film language; the ability to develop an idea through the various stages of film-making, from conception to finished production; technical skills and use of available technology; the ability to draw together knowledge, skills, research and experience, and to apply them analytically to evaluate film texts; a critical understanding of the historical, theoretical, socio-cultural, economic and institutional contexts of film in more than one country; the ability to reflect on and evaluate film production processes and completed film texts. At SL (standard level), the course is taught in one year with students expected to: Construct an original film of 4-5 minutes; provide a commentary of no more than 1,200 words on the production of the film; present a 10-minute oral analysis of an extract from a prescribed film; create an 8-10 page annotated list of sources for a documentary production. The course meets the requirements for IB Group Six and carries the potential for advanced placement at the college level. Students may take the SL course during either junior or senior year.</p> |
| <p>IB FILM STUDIES HL 3-4</p> | <p>97053 97054</p> | <p>Through the study and analysis of film texts and exercises in filmmaking, the International Baccalaureate Diploma Programme film course explores film history and theory and enables students to appreciate the multiplicity of cultural and historical perspectives in film. Students will be expected to demonstrate: An understanding of the variety of ways in which film creates meaning; effective use of appropriate film language; the ability to develop an idea through the various stages of film-making, from conception to finished production; technical skills and use of available technology; the ability to draw together knowledge, skills, research and experience, and to apply them analytically to evaluate film texts; a critical understanding of the historical, theoretical, socio-cultural, economic and institutional contexts of film in more than one country; the ability to reflect on and evaluate film production processes and completed film texts. At HL (higher level) the course spans two years. Students must: Construct a 6-7 minute original film; provide a commentary of no more than 1,750 words on the production of the film; present a 15 minute oral analysis of an extract from a prescribed film; create a 12-15 page annotated list of sources for a documentary production. The course meets the requirements for IB Group Six and carries the potential for advanced placement at the college level. Students taking the two-year HL course begin in junior year.</p> |
| <p>IB THEORY KNOWLEDGE 1-2 (full IB Diploma juniors only)</p> | <p>97031 97032</p> | <p>Theory of Knowledge is a course that directs students toward a better understanding of their knowledge base and the interconnections between the different content areas presented in the school's curriculum. This survey course culminates in a paper based upon the interconnections among the different content areas and a self-realization on the part of the student that knowledge is connected to more than the immediate grade.</p> |

| | | |
|-------------------------|----------------|---|
| IB VISUAL ARTS 1-2 | 97023 97024 | IB Visual Arts gives highly motivated students the opportunity to prepare a portfolio of art studio work and exhibit that work in a student organized show at the end of the course. A concentration of art is created throughout the first year, using an investigation and research sketchbook to record inspiration and experimentation used in the development of each student's coherent body of work. This is a thought-provoking course in which students develop analytical skills in problem-solving and divergent thinking, while working towards technical proficiency and confidence as art-makers. This course is designed for students who want to go on to study visual arts in higher education as well as for those who are seeking lifelong enrichment through visual arts. |
| IB VISUAL ARTS 3-4 | 97025 97026 | A continuation of IB Visual Arts - 1. Prerequisite: Successful completion of IB Visual Arts - 1 & 2 or permission from the instructor. |
| INTRODUCTION TO ART 1-2 | 35091 35092 | Students will engage the elements and principles of design while creating visuals from assorted media. Students will engage in a brief survey of the image man has created in various art forms. This course is the prerequisite to all other art courses except Art Appreciation and Art History. Open to all students. Note: A student may be exempted from this course and be considered for advanced placement. Requirements: recommendation from the middle school art teacher, score a minimum of 80% on an art test provided by the art supervisor and show portfolio of selected works. |
| JAZZ HISTORY 1-2 | 40453 40454 | The course will develop chronologically moving from the roots of blues music in 19th century spirituals and traditional West African musical and narrative forms through the 20th century and the advent of recording technology, radio programs, and their representation in print media. The course requires no previous musical experience. (Metro only) |
| COMPUTER SCIENCE 1-2 | 61081 61082 | In Computer Science, 1-2 students will spend an extensive amount of time coding, debugging, and running their own programs. C++ will be the primary language. |
| COMPUTER SCIENCE 3-4 | 61087 61088 | In Computer Science, 3-4 students will spend an extensive amount of time coding, debugging, and running their own programs. Java will be the primary language. |
| PLTW Computer Science | 82123 82124 | This course will consist of communication between an on screen robot and students in many different settings enabling students to grasp basic programming structures, which are the building blocks to all programming languages. Various programming languages will be introduced using basic structures learned and then be reinforced using Java, Visual basic and C++. |