10th – 12th GRADE COURSE DESCRIPTIONS
2014 – 2015

DANCE

423- Ballet I - IV 0300340 - 0300370
427 A progressively intense program through the many technical and historical styles of classical ballet, including barre and center. Ballet classes are highly recommended for any level II and above class. **Ballet shoes and proper dance attire required. Students must complete one level before moving to the next, except with teacher approval. **Pointe work will be introduced as students are ready with teacher approval. **FEE $15.00

443- Modern I - IV 0300450, 0300460 & 0300620
447 A progressively intense exploration of the concepts, history, and techniques of contemporary dance including improvisation and choreography. **Proper dance attire required. Students must complete one level before moving to the next, except with teacher approval. **FEE $15.00

413- Ballroom I-IV 0300400 - 0300430
417 Dancers move through levels of proficiency in Intermediate-Full Bronze American, and International style Latin, Swing and Ballroom dance patterns with more technical instruction for performance and competition applications. Students will move through silver level competitive dancing at the higher level courses. **Shoes and proper dance attire required. Students must complete one level before moving to the next, except with teacher approval. **FEE $15.00

463- Hip/Hop I - IV 0300310, 0300600, 0300334 & 0300480
466 The purpose of this course is to expose students to the cultural and historical styles of “street dancing.” Students will learn a variety of Hip-Hop techniques and choreography styles as well as the origins of the movement. **Proper dance attire required. Students must complete one level before moving to the next, except with teacher approval. **FEE $15.00

433- Tap/Jazz I – IV 0300310 – 0300330 & 0300334
437 An exploration of the disciplines of technique required for the tap dancer as well as the jazz dancer. Introduction to styles, structures and aesthetics of dance. **Proper dance attire and 2 different pairs of shoes required. Students must complete one level before moving to the next, except with teacher approval. **FEE $15.00

453 & 454 Choreography I & II 11th & 12th Grade ONLY 0300380 - 0300390
453 An introduction to concepts of dance composition, with many performance opportunities. **Must also be enrolled in another dance technique class. Pre-Req: 1 year Ballet or Modern Dance and 1 year of Tap/Jazz, Hip Hop, Ballroom or Irish Dance. Must have taken Dance in 9th and 10th grades. **Proper dance attire required. **FEE $15.00

470 Irish Dance 0300300
470 A progressively intense introduction to the art form known as Irish Dance. Students will learn two different types of Irish Dance (soft shoe and hard shoe), covering a minimum of ten different step styles. The course will also include an introduction to history, music theory, and competition. Proper dance attire and two different types of dance shoes required. **FEE $15.00

491 Dual Enrollment - Introduction to Dance DAA1000
491 Pre-requisite: 106 or better on PERT Reading Test. - The study of various styles of dance, useful for both the lay person as well as the theatre and music major. An overview of jazz, tap, ballet, modern/lyrical and ballroom dance, for fun and fitness as well as audition preparation. Shoes and proper dance attire are required. **FEE $15.00
**Dual Enrollment - Level 2 Dance**

**DAA2101**

**Pre-requisite:** Introduction to Dance and 106 or better on PERT Reading Test - The study of various styles of dance, useful for both the lay person as well as the theatre or music major. Intermediate overview of jazz, tap, ballet, modern/lyrical and ballroom dance, for fun and fitness as well as audition preparation. **Shoes and proper dance attire are required. FEE $15.00**

**MUSIC**

**504- Guitar I – IV**

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<tr>
<td>1301320 - 1301350</td>
<td>The development of fundamental skills in guitar technique, interpretation, and performance. Basic harmony and composition through advanced technique, ensemble, harmony and composition are taught. Guitar provided. <strong>Students must complete one level before moving to the next. The purchase of Yamaha CM500 headphones are required plus class fee of $50.00.</strong></td>
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**509& Electric Guitar Styles I - III**

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<tr>
<td>1302420, 1302430 &amp; 1302440</td>
<td>This course provides advanced class instruction in electric guitar styles with goals related to commercial music. Styles of music will include and will not be limited to: Blues, Jazz, Rockabilly and Modern Rock. Students will demonstrate proficiency in commercial music repertoire and technique; develop a professional, disciplined approach to performance skills; and present a juried public performance or recital. <strong>Prerequisite: Completion of, Electric Guitar I and by audition with teacher recommendation. The purchase of Yamaha CM500 headphones are required plus class fee of $50.00. Only 10th - 12th Grade.</strong></td>
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**561 Music Theory I**

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<tr>
<td>1300300</td>
<td>Pre: 2 years music training in any of the following: choir, band, orchestra, guitar or keyboard. In depth look into music notation, sight-reading, composition; provides individualized training for solo performance work in chosen area, either vocal or instrumental. Students progress to work at ear training, composition and analysis. <strong>FEE $10.00</strong></td>
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**562 Advanced Placement – Music Theory**

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<tr>
<td>1300330</td>
<td>Pre: Music Theory I and 2 years music training in any of the following: choir, band, orchestra, guitar or keyboard. Students studying advanced placement music theory will have the opportunity to test out of music theory I and II in university placement tests. AP Music theory will focus on analysis of late nineteenth and twenty century literature along with studying and learning music history. Students will also focus on composition and how to create a composition portfolio for university admission. Students wishing to enroll in AP Music Theory should have completed theory I and II with acceptable understanding and graded coursework. <strong>FEE $10.00 plus an additional $89.00 Testing Fee.</strong></td>
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**524- Keyboard I-IV**

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<tr>
<td>1301360 - 1301390</td>
<td>Learn to read music, play different rhythms and basic keyboard information. Includes both solo and ensemble performance and assessment as well as written theory work. For students with little or no musical experience to begin. Classes progress in level of difficulty as students improve. <strong>Students must complete one level before moving to the next. The purchase of Yamaha CM500 headphones are required plus class fee of $25.00.</strong></td>
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**514- Chorus I - IV**

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<tr>
<td>1303300 -1303330</td>
<td>Pre: Previous School experience and/or Director’s approval The purpose of this entry level course is to enable students to develop basic individual and ensemble skills in choral performance through preparation of varied high school literature. Emphasis will be placed on healthy and expressive singing, accurate interpretation of notation, and development of critical and aesthetic response to music. <strong>FEE $10.00</strong></td>
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**XXX Beginning Orchestra**

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<tbody>
<tr>
<td>1302360</td>
<td>Students will learn to play an orchestral instrument: violin, viola, cello, and string bass, through choice and/or teacher selection. Students will learn to play and perform Grade I string orchestral</td>
</tr>
</tbody>
</table>
literature. Rhythm, pitch, time and proper position will be developed. **Students are encouraged to then rent the instrument from one of the local music stores. Rental Fees May Apply. Students are required to purchase shoulder rest and rosin. FEE $25.00**

XXX  Intermediate Orchestra  
**Pre-requisites: One full year of Beginning Orchestra or by Audition / Invitation from the Director.** Students will learn to play an orchestra instrument: violin, viola, cello, and string bass, through choice and/or teacher selection. Students will learn to play and perform Grade 1 string orchestra literature. Rhythm, pitch, time and proper position will be developed. **Students are encouraged to then rent the instrument from one of the local music stores. Students are required to purchase shoulder rest and rosin. FEE $25.00**

XXX  Advanced Orchestra  
**Pre-requisites: Two full years of Intermediate Orchestra or by Audition / Invitation from the Director.** The purpose of this course is to enable students to develop fundamental technical skills on orchestral strings through the refinement and performance of high school orchestral literature. Emphasis will be placed on further applying orchestral strings technique through the development of interpretive and expressive skills, individual and ensemble performance, and critical listening. **FEE $25.00. Additional rental fees may apply.**

XXX  Beginning Band  
Students will learn to play a woodwind, brass or percussion instrument. Early in the class all students will be given the choice of trying the flute, clarinet, saxophone, trumpet, trombone, baritone, tuba and percussion. **Students are encouraged to then rent the instrument from one of the local music stores. Rental Fees May Apply. FEE $25.00**

XXX  Intermediate Band  
**Pre-requisites: One full year of Intermediate Band or by Audition / Invitation from the Director.** Students will continue the fundamentals of playing in a combined band. Note reading, scales, rhythms and ensemble work will be emphasized. Woodwinds and Brass ONLY. **FEE $25.00**

XXX  Advanced Band  
**Pre-requisites: Two full years of Intermediate Band or by Audition / Invitation from the Director.** The purpose of this course is to enable students to develop intermediate technical skills on wind or percussion instruments through the refinement and performance of high school band literature. Emphasis will be placed on the development of skills in interpretation of notation and expressive markings, individual and ensemble performance, and critical listening. **FEE $25.00. Additional Rental Fees may apply.**

565&  Intermediate & Advanced Percussion  
**Pre-requisite: One full year of Beginning Band on PERCUSSION or by Audition / Invitation from the Director.** This course is designed to cover the fundamentals of playing percussion instruments and the application of musicianship skills to the genre. It is designed to improve the playing skills and knowledge in the areas of mallets, drum set, timpani, snare drum, intermediate rhythmic reading, percussion ensemble and sight-reading. The students will gain an appreciation for complexity involved in performing music at a high level. To be an effective member of this organization, students must exhibit a strong work ethic and high level of discipline. **FEE $15.00**

549-  Jazz Ensemble I - IV  
**Open to HS students by audition only** - The purpose of this course is to enable students to develop fundamental skills in jazz performance through knowledge of styles and performance techniques of varied jazz and contemporary literature. **FEE $25.00. Additional Rental Fees may apply.**
Jazz Appreciation is an introduction to the materials, performing media, fundamental principles, and performers of American jazz in a social and historical context. Student will develop their jazz vocabulary, learn the history of the genre, and be able to differentiate between styles of Jazz music. The History of Rock ‘n’ Roll, is an in depth study of the origins of popular music in the 20th century and the social and historical context that gave birth to it and related genres and musical offshoots. Students will familiarize themselves with landmark groups, music, and movements of different periods, exploring connections between modern music and the artists from the past who have paved the way for the popular music of today. FEE $10.00

This course will focus on the principals of sound recording and manipulation. Students will learn the foundations of sound recording. Students must complete level I before moving on to level II. Level II 11th & 12th Grade Only. FEE $25.00

By Audition or Invitation ONLY. The Select Choir is a premier performing group at MSA. Students will learn advanced vocal techniques and represent the school throughout the community at various public performances. FEE $20.00

VISUAL ART

This course is an introductory level class for students with little or no art training. Students will gain knowledge of the use of tools, materials, and equipment, as well as art terminology. Emphasis will be placed on acquiring a working knowledge of the elements of art. Basic drawing and painting skills will be covered, as well as experimentation in 3-D design. However, students with no prior art classes may not be enrolled in any other higher level course in the Visual Art Department until successful completion of this class. Grades 9th – 12th. FEE $35.00

Pre-requisite: Successful completion of Drawing 8th, 2D/3D 8th, Art Survey, or 2D/3D Comprehensive (HS) and current art instructor approval. Building on past experience, students will continue exploring the basics of design: line, shape, color, texture, space, and value, which are necessary to communicate a range of subject matter, symbols and ideas. Various tools, vocabulary, artistic elements and history are explored. Grades 9th – 12th. FEE $40.00

Continuation of Drawing I. Students will focus on observation drawing and a study of life and figure drawing with new materials. Grades 10th -12th. FEE $40.00

Continuation of Drawing II. Students will continue life and observation drawing while focusing on creating their own unique style. A more in-depth application of the elements of art and the principles of design is stressed. Grades 11th & 12th. FEE $40.00

Pre-requisite: Successful completion of Drawing 8th, 2D/3D 8th, Art Survey, 2D/3D Comprehensive (HS) or Drawing I and current art instructor approval. An introduction to the many different styles and techniques in painting, with focus on design and production of a painting. Course includes acrylic paint, watercolor paint and building canvas. Grades 9th -12th. FEE $40.00
724  Painting II
   0104380
   **Pre-requisite: Successful completion of Painting I and current art instructor approval.** A continuation of exploring the media of painting. In-depth famous artist style and study; includes canvas building and framing. Study of the elements of art and the principles of design with individual style as a focus. **Grades 10th – 12th. FEE $40.00**

725  Painting III
   0104390
   **Pre-requisite: Successful completion of Painting II and current art instructor approval.** A continuation of exploring the media of painting. In-depth famous artist style and study; includes canvas building and framing. Study of the elements of art and the principles of design with individual style as a focus. **Grades 11th or 12th. FEE $40.00**

726  Advanced Placement - Portfolio I
   0109350
   **2-D Design Portfolio:** Students are asked to demonstrate mastery of 2-D design through any two-dimensional medium or process, including, but not limited to graphic design, digital imaging, photography, collage, fabric design, weaving, fashion design, fashion illustration, painting and printmaking. **Drawing Portfolio:** The Drawing Portfolio addresses a broad interpretation of drawing issues and media. Line quality, light and shade, rendering of form, composition, surface manipulation, the illusion of depth and mark-making are drawing issues that can be addressed through a variety of means, which could include, painting, printmaking or mixed media etc. **3-D Design Portfolio:** For this portfolio, students are asked to demonstrate mastery of 3-D design through any three-dimensional approach, including but not limited to figurative or nonfigurative sculpture, architectural models, metal work, ceramics, glass work, installation, assemblage and 3-D fabric/fiber arts. **Instructor approval.**

728  Cartooning I
   0101300
   **Pre-requisite: Successful completion of Drawing 7th, Drawing 8th, 2/D 3/D Art or Art Survey is required and current art instructor approval.** In this class, students will learn how to tell a story with pictures through cartoon illustration. This class will emphasize hand drawing and the cartooning process starting from character and story development to make a hand drawn “rough”, continuing to the refined inked illustration with lettering, and ending with the computer finished image with typography. Completed cartoons will include one panel comics, comic strips, and graphic novels pages that are intended for print or web, as well as the animated cartoon flip book on paper, video or web. **Grades 9th – 12th. FEE $35.00**

729  Cartooning II
   0101310
   **Pre-requisite: Successful completion of Cartooning I and instructor approval required.** In this class, students will continue to learn how to tell a story with pictures through cartoon illustration. This class will continue hand drawing and the cartooning process starting from character and story development to make a hand drawn “rough”, continuing to the refined inked illustration with lettering, and computer finished image with typography. Finally, this class will be taking cartooning to the next level with continuous story as seen in graphic novel, digital finished illustration, animated video and game concepts. **Grades 10th – 12th FEE $35.00**

730  Cartooning III
   0101320
   **Pre-requisite: Successful completion of Cartooning II and instructor approval required.** In this class, students will continue to learn how to tell a story with pictures through cartoon illustration. This class will continue hand drawing and the cartooning process starting from character and story development, to make a hand drawn “rough,” to a final finished product. This class will be self-directed. Projects could include comics or graphic novels, animation, or concept art for gaming or video. **Grades 11th & 12th FEE $35.00**

732  Fiber/Craft Explorations
   0101330
   **Pre-requisite: Successful completion of Drawing 8th, 2D/3D 8th, Art Survey, 2-D/3-D Comprehensive (HS) and current instructor approval.** - A survey course covering various art forms
that use fiber as a main component. Projects may include coiled basketry, tapestry weaving, silk painting, batik, painted floor cloths, crochet, knitting, felt making and spinning. Students write self-critiques at the completion of each project. **Grades 9th - 12th. FEE $40.00**

**734 Jewelry Making**

Pre-requisite: Successful completion of Drawing 8th, 2D/3D 8th, Art Survey or 2-D/3-D Comprehensive (HS) and current art instructor approval. Students in Jewelry Making will experiment with paper, plastic clay, ceramic clay, wire and metal, leather, glass, wood, fiber and plastic in the creation of jewelry pieces. A main focus will be on the elements and principles of design and how they translate to jewelry. Students are taught terminology and proper use of tools and equipment. Students write self-critiques at the completion of each project. **Grades 9th – 12th. FEE $40.00**

**741 Sculpture I**

Pre-requisite: Successful completion of Drawing I and current art instructor approval. This course will explore the use of a variety of sculpture media (including, but not limited to, clay, plaster and wire). Students will develop basic skills in design, processes and techniques. Emphasis shall be placed on the use of visual, spatial and compositional concepts to communicate a range of ideas. Course includes class critiques and one research paper. Grades 10th – 12th. **FEE $45.00**

**742 Sculpture II**

Pre-requisite: Successful completion of Sculpture I and current art instructor approval. This course will explore the use of a variety of sculpture media (including, but not limited to, clay, plaster and wire). Students will develop basic skills in design, processes and techniques. Emphasis shall be placed on the use of visual, spatial and compositional concepts to communicate a range of ideas. Course includes class critiques and one research paper. Grade 11th – 12th. **FEE $45.00**

**743 Sculpture III**

Pre-requisite: Successful completion of Sculpture I and II. The purpose of this course is to enable students to develop advanced skills in the use of sculpture media, design, processes and techniques. Emphasis shall be placed on the use of visual, spatial and compositional concepts to communicate a range of ideas. Course includes class critiques and one research paper. Grade 12th Only. **FEE $45.00**

**771-772 Costume Design I & II**

Students in costuming class are taught basic sewing techniques of repair, alteration, and construction as they pertain to costuming for the stage. Students construct a basic garment (pajama pants); including pattern reading, layout, cutting, sewing and finishing as well as mask construction, costume history and fabric identification. Students are responsible for helping with costuming for school plays and assisting actors during evening performances. Course requires approximately 4-5 evenings per school year to attend school plays. **FEE $15.00. Additional Costume II fabric required.**

**750 Advanced Placement – Art History**

The AP Art History course should engage students at the same level as an introductory college art history survey. Such a course involves critical thinking and should develop an understanding and knowledge of diverse historical and cultural contexts of architecture, sculpture, painting and other media. In this course, students examine and critically analyze major forms of artistic expression from the past and the present from a variety of cultures. While visual analysis is a fundamental tool of the art historian, art history emphasizes understanding how and why works of art function in context, considering such issues as patronage, gender, and the functions and effects of works of art. Many colleges and universities offer advanced placement and/or credit to students who perform successfully on the AP Art History Exam. **Grade 9th – 12th. Exam Fee $89.00**
DIGITAL ARTS AND TECHNOLOGY

807 Digital Imaging I & II 0108370 & 0108380
Students will learn the basics needed to create professional quality digital illustrations and photo manipulations. Explore Adobe Photoshop and Illustrator. Learn both the technical aspects of image manipulation, as well as the artistic aspects of creating images. Students will become familiar with professional software programs through watching demonstrations, and completing structured assignments as well as open ended projects. This class is perfect for the artist who wants to expand their drawing skills into the digital realm as well as the photographer who would like to broaden their digital editing skills. Level two classes learn intermediate techniques. Grades 9th – 12th FEE $15.00

810 Digital Cinema Production I & II 8201010 & 8201020
Students will learn what steps are needed to write a script and produce a film. Students will explore Adobe Photoshop and Premiere. Students will be exposed to techniques in communication skills; leadership skills; human relations and employability skills; safe and efficient work practices; and preparation to assume responsibility for overall production of digital video activities including: scripts, lighting, camera operation, electronic news gathering, field/studio production, and video editing. Level two classes learn intermediate techniques. Grades 9th – 12th FEE $15.00

812 Digital Video Production III & IV 8772430 & 8772440
Pre-Requisite: Digital Video Production II. Grades 11th – 12th Students will continue to hone their skills with various cameras, lighting, and audio techniques that will enable the professional production of videos. Students will further examine how to effectively mix, record, and edit video resources in Adobe Premiere. Students will explore leadership and teamwork skills needed to accomplish goals and objectives. Students will learn more intermediate techniques in the level four classes. FEE $15.00

815 Visual Technology I & II 0107440 & 0107450
Pre-requisite: Instructor approval.– Students will learn the basics needed to create a variety of animations. They will explore Adobe Flash, Photoshop and Premiere, learning both the technical aspects of animation as well as the artistic aspects of creating moving images. Students will become familiar with professional software programs through watching demonstrations and completing structured assignments, as well as open ended projects. This class is perfect for the designer who would like to explore the various types of animation including digitizing traditional hand drawings, stop motion, flash and web animation. Level two classes learn more intermediate techniques. Grades 10th – 12th FEE $15.00

882 Yearbook Digital Media I & II 8201210 & 8201220
Pre-Requisite: Must have already filled out an application and been accepted. Each year, the staff’s goal is to define and record the school year in an honest and introspective photographic historical record that creates lasting memories of student life, academics, clubs, our school community, and most importantly, the people who breathe life into our school. Members of the yearbook staff are entrusted to plan the yearbook from cover to cover. Under student leadership, we decide all content, conduct interviews, photograph images, write articles, design spreads, assist in conducting under class picture days, club picture days, distribution of yearbooks and sell and design advertising for the yearbook. It’s a lot of work, a lot of fun, and it’s an incredible real-world publishing experience that we take very seriously. Grades 9th – 12th

881 Creative Photography I 0108310
Students explore the fundamentals of photography. Students become familiar with the basic mechanics of a camera, including lens and shutter operation, compositional foundations, printing an image for display, and evaluating a successful print. Much of class time will be spent learning Photoshop and proper photo-editing. Taking pictures outside of school will be a requirement. **Each student will be provided with a camera to use. The student and a parent/guardian will be required to sign a camera user agreement. FEE $50.00
Creative Photography II  
0108320
Students explore more advanced photography techniques. All skills used in Photography I will be used and built on, as well as learning new and more creative techniques. More emphasis will be placed on the student developing their own personal photographic style. This class takes a highly dedicated student. Much of class time will be spent learning Photoshop and proper photo-editing. Taking pictures outside of school will be a requirement. **Each student will be provided with a camera to use. The student and a parent/guardian will be required to sign a camera user agreement. FEE $50.00

Creative Photography III  
0108330
Students will be focusing on more advanced techniques and concepts in this course. There will be a focus on college preparation and the design and creation of marketing and portfolio materials. An independent study project will also be completed. This class takes a highly dedicated student. Much of class time will be spent learning Photoshop and proper photo-editing. Taking pictures outside of school will be a requirement. **Each student will be provided with a camera to use. The student and a parent/guardian will be required to sign a camera user agreement. FEE $50.00

Dual Enrollment - Illustrator  
GRA 2151C
Pre-requisite: 106 or better on PERT Reading Test - This course addresses the concepts and techniques necessary to create computer-generated vector illustrations. Adobe Illustrator fundamental concepts and features will be introduced and applied to a variety of graphics applications. Additional special fees are required. FEE $15.00

THEATRE

Theatre I - IV  
0400310 - 0400340
The purpose of this course is to introduce students to fundamental skills in the multiple elements of theatre as a collaborative art. The class will include several performance-based projects. Students must complete one level before moving to the next. FEE $25.00

Musical Theatre I - IV  
0400700–0400720&1303400
The purpose of this course is to enable students to participate in and study varied aspects of musical theatre, including development of basic skills in vocal production, stage movement, characterization, choreography, and the technical aspects of a musical. Students must complete one level before moving to the next. FEE $25.00

Stagecraft I - IV  
0400410 - 0400440
This course will provide students with a forum to learn and practice the skills needed in working in technical theatre. Emphasis is set on construction, scene painting, lighting, sound properties, and stage management. All technical support (sound, lights, stage hands, etc.) for all MSA events are furnished by the Stagecraft classes. This includes school time, night time and weekend rehearsals/performances. This responsibility will be split among all members of the Stagecraft classes and a major grade will be given. Students must complete one level before moving to the next. Permission to use power tools required. Stagecraft shirt is required. FEE $50.00

Acting I – IV  
0400370-0400400
Pre: Theatre I or Theatre 8. The purpose of this course is to enable students to develop fundamental acting skills and integrate them into individual and ensemble theatrical performances. Students must complete one level before moving to the next. FEE $25.00

Stage Make-up I  
0400409
The purpose of this course is to enable students to develop knowledge and skills necessary for the correct use of make-up in theatrical productions. The content includes: functions of make-up, tools and material, procedures and application techniques, career opportunities. Make-up support for all MSA events are furnished by the Stage Make-up classes. FEE $50.00
PHYSICAL EDUCATION

473- Tae Kwon Do I - IV
Learn basic self-defense skills, physical fitness, discipline, and sports competition in this traditional martial art. Uniform fee required and belt testing fee required. Students must complete one level before moving to the next. .5 credits FEE $10.00

480 HOPE
The purpose of this course is to develop and enhance healthy behaviors that influence lifestyle choices and student health and fitness. Course required for Graduation. PE uniform is required. FEE $10.00

485 Weight Training I - IV
Pre-requisite: Successful completion of Hope. The purpose of this course is to acquire basic knowledge and skills in weight training, improve muscular and endurance and begin to enhance self-image. PE uniform is required. FEE $10.00

481 Life Fitness I - IV
Get in shape and learn how to stay that way learning the disciplines of stretch, strength and variety in classes including sports, yoga and aerobic activities. Some power walking and running included. PE uniform is required. FEE $10.00

495 Individual Sports – Motorsports
Open to 11th and 12th grade. Pre-requisite: Physics of Motorsports. This course focuses on the physical conditioning and nutrition required for competitive driving. Students will also learn marketing, maintenance and other aspects of the motorsports industry. Labs will be held regularly at the racetrack. FEE $75.00

ACADEMIC ELECTIVES

Foreign Languages: The following meets foreign language requirements for Bright Futures and University Admissions.

151- Spanish I-IV
These courses will enable students to begin to acquire proficiency in Spanish through linguistic, communicative, and cultural approach to language learning. Emphasis is placed on the development of listening, speaking, reading and writing skills and on acquisition of the fundamentals of applied grammar.

154 Advanced Placement - Spanish Language and Culture 9th - 12th Grade
In this course, the teacher will use Spanish almost exclusively in class. Students will have opportunity to demonstrate their proficiency in Spanish through reading Spanish texts and listening to audio resources, interpersonal communication, and presentations. Students will also study the culture of several Spanish speaking countries. This course will prepare students to use Spanish in real-life settings. At the end of the year, students have the option of taking the AP Spanish Exam for possible college credit. Pre-requisite: Successful completion of Spanish III and FCAT score of 4 or 5. $89.00 Testing Fee

161- French I-IV
These courses will enable students to begin to acquire proficiency in French through linguistic, communicative, and cultural approach to language learning. Emphasis is placed on the development of listening, speaking, reading and writing skills and on acquisition of the fundamentals of applied grammar.

Required if FCAT score in reading is a Level 1 or 2.
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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>231&amp; 232</td>
<td>Psychology I &amp; II</td>
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<tr>
<td>233</td>
<td>Advanced Placement – Psychology</td>
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<tr>
<td>221</td>
<td>Florida History</td>
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<tr>
<td>223</td>
<td>The History of the Vietnam War</td>
</tr>
<tr>
<td>246</td>
<td>Film &amp; The Humanities</td>
</tr>
<tr>
<td>192</td>
<td>Journalism</td>
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<tr>
<td>016 - 017</td>
<td>Algebra I and Algebra I Honors</td>
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**Psychology I & II**
Through the study of psychology, students acquire an understanding of human behavior, behavior interaction and the progressive development of individuals. This will better prepare them to understand their own behavior and the behavior of others. **.5 credit each – ½ Semester each.**

**Advanced Placement – Psychology**
AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings. The class follows a curriculum designed to prepare students for the AP Psychology Exam. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. This course is intended to be a college-level class and requires academically rigorous readings outside the class. **$89.00 Testing Fee**

**Florida History**
Open to 10th - 12th grade - The purpose of this course is for students to understand the history and current trends of the state of Florida through various experiences within and outside the classroom. The motto of the class is to experience the “real” Florida, which includes field trips to DeSoto National Memorial, Paynes Prairie (overnight camping), Little Manatee River (canoe trip), Myakka State Park, Ichetucknee Springs (tubing), Florida Eco Safari (overnight horseback safari), and various others. As members of a democratic society, the goal of the class is to help students make connections with their local community, state, and natural environment in order to become leaders and stewards of their state and nation. **.5 credits - Semester long course. To be taken in conjunction with Vietnam History.**

**The History of the Vietnam War**
Open to 10th - 12th grade - The purpose of the course is to help students understand the causes and effects of this controversial war, along with making connections with current wars and issues today. Furthermore, students will examine the other issues of the Vietnam era, which includes the Civil Rights Movement, media, student protests, the hippie movement, etc. This course offers a unique and diverse look at the Vietnam era, which will be taught and learned through guest speakers, documentary films, letters, photography, music and literature. **.5 credits - Semester long course. To be taken in conjunction with Florida History.**

**Film & The Humanities**
This course is intended as a journey through the world of film, for a sampling of the thought and accumulated critical opinion that forms the basis of the modern stature of 100 years of film-making, as art or culturally important dramatic work. Learn about film-analysis, discussion of film, the period genres and movements in film-style, and more. **FEE $10.00**

**Journalism**
Introduction to study of mass communication, including theories, effects, mass media industries, government regulation, and career opportunities. This course will allow students to write in journalistic styles and develop their techniques in this interesting area. **FEE $10.00**

**MATHEMATICS - 4 credits required for graduation (Algebra I, Geometry and two higher)**

**Pre-requisite: Recommendation of the Math Department** This course provides an introduction into algebraic concepts and processes that can be used to solve real-world mathematical problems. Enables students to become proficient in analyzing linear, quadratic, absolute value, polynomial, rational and radical equations, sets, real and complex numbers, exponents, graphing, formulas, systems of equations, inequalities and functions. Students investigate topics both analytically and graphically. **STUDENTS MUST PASS EOC TEST TO GRADUATE.**
018 - Geometry and Geometry Honors 1206310 – 1206320
Pre-requisite: Algebra I. This course develops algebraic and geometric concepts and processes that can be used to solve real-world problems. Major concept areas include: fundamental properties of geometry, proofs, coordinate geometry, and right angle trigonometry. **GRADUATION REQUIREMENT**

020 - Algebra II and Algebra II Honors 1200330 – 1200340
Pre-requisite: Algebra I & Geometry. This course enhances understanding of algebraic concepts and processes that can be used to solve real-world mathematical problems. Major areas include linear and exponential functions, quadratics, trigonometric functions, and statistics. **Requirement for Scholar Designation**

022 Pre-Calculus 1202340
Pre-requisite: Grade of A or B in Algebra II or special permission of the instructor. This course is designed to enhance algebraic and geometric processes and concepts to prepare the student for calculus. Major content areas include: matrix algebra, trig metric functions, complex numbers, logarithms and limits. **A graphing calculator is required for this course (TI-83+)**

023 Statistics 1210300
Pre-requisite: Algebra II - The purpose of this course is to enable students to develop and apply knowledge of statistics and probability to design experiments, collect and analyze data, and reach appropriate inferences and conclusions. **A statistical calculator is required for this course (TI-83+)**

026 Advanced Placement – Statistics 1210320
Pre-requisite: A grade of ‘B’ or better is required in Algebra II. This course will introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students will be exposed to four broad conceptual areas:
1. Exploring data
2. Sampling and experimentation
3. Anticipating patterns
4. Statistical inference
A comprehensive 3 hour exam will be administered at the end of the course to determine how well the student has mastered the concepts and techniques of the subject matter. **A graphing calculator is required or one can be rented for the year for a $20 fee. $89 Testing Fee**

024& Trigonometry and Analytic Geometry 1211300 & 1206330
Pre-requisite: Grade of A or B in Algebra II or recommendation of the Math Department. This course covers topics in the study of trigonometric functions and applications, analytic trigonometry, vectors, trigonometric form of complex numbers, parametric equations, polar coordinates and equations and conic sections.

032 Business Math 1200500
The Business Mathematics course covers real world topics enhancing a student’s knowledge and understanding of present value, future value, evaluating cash vs. credit card purchases, cash management strategies, calculating income, taxes, simple and compound interest, relationships between demand and supply, evaluating financial options and buying selling and calculating gains and losses on stock transactions.

**ANY SENIOR WHO DOES NOT SCORE A “113” ON THE PERT WILL BE PLACED IN MATH FOR COLLEGE READINESS**

**ENGLISH - 4 credits required for graduation**
131 - English I – IV & Honors 1001310 -1001410
This course is designed to provide integrated educational experiences in the language arts strands of reading, writing, listening, viewing, speaking, language and literature.
139 Advanced Placement - English Literature and Composition (9th - 12th ONLY) 1001420
In this course, students will read and analyze a variety of imaginative literature. Close reading of texts will examine structure, style, themes, imagery, symbolism, and tone as well as figurative language with a close focus on historical context. Students will also be expected to write about their reading in several different formats including research, analyses and syntheses, expository, and argumentative essays. At the end of the year, students have the option of taking the AP English Literature and Composition Exam for possible college credit. $89.00 Testing Fee.

140 Dual Enrollment - Written Communication I ENC 1101
This course meets Area I requirement for the A.A., A.S., and A.A.S. general education requirements, and the 6000 word Gordon Rule requirement. This course encompasses grammar and diction review, composition, expository writing, work with primary and multiple source themes, instruction in the use of the library and writing the research paper, and practice in oral communication.

141 Dual Enrollment - Written Communication II ENC 1102
Pre-requisite: ENC 1101 with a grade of C or better -This course meets Area I requirement for the A.A. general education requirements, and the 6000 word Gordon Rule requirement. While instruction in composition, rhetoric, grammar and research is continued from ENC 1101, course content includes an introduction to literature with emphasis on reading critically and analytically, understanding literary terminology and techniques, and writing about literature.

143 Dual Enrollment - English Literature I ENL 2010
Prerequisite: Completion of ENC 1101 and ENC 1102
This course is a chronological survey of masterpieces of British literature, with a focus on literary history, philosophic backgrounds, and analytical and critical reading and writing. This course explores British literature from its origins to 1790, including the Old English (Anglo-Saxon), Medieval, Renaissance (Early Modern), and Neoclassical periods.

ANY SENIOR SCORING A 106 ON THE PERT READING WILL BE ENCOURAGED TO TAKE ENC1101

SOCIAL SCIENCE - All 4 classes required for graduation

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<thead>
<tr>
<th>Course</th>
<th>Code</th>
<th>Credits</th>
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<tbody>
<tr>
<td>World History &amp; Honors</td>
<td>2109310 - 2109320</td>
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<td>4</td>
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The purpose of this course is to enable students to understand their connections to the development of civilizations by examining the past to prepare for their futures as a participating member of a global community.

210 Advanced Placement – World History 2109420
AP World History is a rigorous, college-level course designed to explore themes, patterns, and processes of human history from a global perspective (8000 B.C.E. to the present). This course emphasizes the development of analytical and writing skills necessary for success on a collegiate level. To this end, the course devotes considerable time to the critical evaluation of primary and secondary sources, analysis of historiography (the study of principles, theories, or methodology of historical research) and inquiry into global connections that have shaped our present world. A special emphasis will be given to preparation for the National AP Exam, including historical writing through essay and document-based questions (DBQ). $89.00 Testing Fee

213& American History & Honors 2100310 - 2100320
The purpose of this course is to enable students to understand the development of the U.S. within the context of history, with a major focus on the post Reconstruction period.

215& American Government & Honors 12th Grade ONLY 2106310 – 2106320
The purpose of this course is to enable students to gain an understanding of American Government and political behavior that is essential for effective citizenship and active involvement in a democratic American society. .5 credits - Semester long course
The purpose of this course is to provide students with the knowledge and decision-making tools necessary for understanding how society organizes its limited resources to satisfy its wants. Students will gain understanding of choices they must make as producers, consumers, investors, and taxpayers. .5 credits - Semester long course.

Dual Enrollment - American Government
POS 1041
11th and 12th Grade ONLY. This course covers the material of American Government at the college level. Requires an A/B average in the last social studies class, passing PERT, a 3.0 academic GPA, and permission from previous instructor. .5 credits (3 college credits) Semester Course

Dual Enrollment - History of the US I & II
AMH 1010 &1020
This course of United States History covers the European discoveries of the Western Hemisphere to the end of Reconstruction and on until present. (6 college credits)

SCIENCE - 3 credits required for graduation

Pre-requisite: Algebra I (may be taken concurrently)-The purpose of this course is to provide exploratory experiences and laboratory and real-life applications in the biological sciences from the simple cell to the diversity of the environment. Topics will include cell biology, biochemistry, evolutionary science, ecology, environmental sciences, and human anatomy. This course is required for graduation. FEE: $30.00

Advanced Placement – Biology
2000340
Prerequisite- 4 or 5 on the Science FCAT and teacher recommendation is required. AP Biology is a rigorous and demanding course, and is equivalent to a two semester introductory college biology course. This class will focus on enduring, conceptual understandings and the content that supports them, which will allow students to focus on inquiry based learning of essential concepts and developing reasoning skills necessary to engage in the science practices used throughout their study of AP Biology. There are four Big Ideas and 12 mandatory labs that will be taught in great detail and you will be required to work hard and keep up with the rigorous curriculum. This class will require a minimum of one hour of studying per night, in addition to weekend work in order to stay on top of the material as well as to be prepared for fun and interactive class discussions. At the end of the year students will be required to take the Florida Biology EOC and can elect to take the AP Biology Exam. Class Fee $30.00 – Testing Fee $89.00

Pre-requisite: Biology and Algebra I – This course that will provide you with an introduction to the basic concepts of chemistry, and will emphasize the unique importance of chemistry as a science and as essential part of the environment, modern technology and healthy living. The laboratory component clarifies and reinforces the lecture concepts by acquainting the students with techniques and skills used by chemists. Fee: $30.00

Pre-requisite: Biology - This course is an introductory marine biology course and lab. This course is for students who are seriously interested in possibly pursuing this area of study in college, or just to gain an understanding of the marine environment. This class will cover a variety of topics such as the history of marine biology, life in the marine environment, structure and function of marine ecosystems and human interaction with the sea. Fee: $30.00

Pre-requisite: Successfully passed Marine Science 1 and Biology with a “C” or higher. Zoology is defined as the study of animals. We will be exploring the evolution, behavior, ecology, and anatomy of the animal kingdom. There will be field trips that include but are not limited to trips to the zoo, manatee dissections at Florida Fish and Wildlife, and other special trips. Fee: $30.00
Anatomy and Physiology Honors 2000360
**Pre-requisite: Biology.** The student will be introduced to the organs and organ systems of the human body, and study the normal anatomy and physiology of each system, followed by specific diseases affecting the systems. In addition to studying the chemistry, tissues, and metabolism of the human body, the student will learn the functions of the major organs of the integumentary, skeletal, muscular, and nervous systems. Animal dissection is mandatory. **Fee: $30.00**

Physics of Motor Sports 2003380
**Pre-requisite: Completion of Algebra I with a “B” or higher.** Physics course fulfilling 1 of the 3 Science courses needed to graduate but using Motorsports as a theme. Data collection and motorsports application of physics in student driven lab vehicles roughly every two weeks at nearby closed course race track. **Fee: $75.00**

Biotechnology 2000430
**Prerequisites: Biology and Chemistry** This course introduces students to the fundamental scientific principles of biotechnology, bioethics, careers in biosciences, as well as the commercial and regulatory characteristics of the biosciences. The Biotechnology course emphasizes how key concepts from biology, chemistry, and physics apply to modern applications within the biological sciences. The knowledge and skills gained in this course provide students with a broad understanding of biotechnology and the impact it makes on society. As students work to master the content, they mirror what scientists and technicians are doing in scientific laboratories. A significant part of the course involves actual and simulated research being done in actual laboratories world-wide. **Fee: $30.00**

**Online Requirement – 1 credit required for graduation**

Personal, Career, and School Development Skills 0500510
This course meets the online course requirement for graduation. Students can be given a class period in the library in order to complete this class. This class provides students the opportunity to explore career planning and decision making. Students will develop a personal educational and career plan that will lead them to post-secondary options. Coursework includes investigation of careers, identification of personal preferences and strengths as related to future careers, resumes, interviewing, etc. The course also explores everyday living skills, such as budgeting, paying bills, grocery shopping, etc. This course will also strengthen writing, communication and critical thinking skills. These skills are essential in being a successful student, citizen, and leader in the community. The content includes opportunities to explore decision-making skills, individual responsibility, time management, leadership, life/health management, civics, and employability skills. Everything in this course is meant to be relevant and useful beyond the classroom. This class will address everyday life skills and will be relevant to your lives! If you do not take this course then you are responsible for finding another class on FLVS. Here are some advantages of taking this class offered by MSA:

1. You get to take a class with Dr. Marshall. The benefit is that he will always be available for your course needs by simply going to his classroom, stopping him in the hallway, or sending him an email. The benefit is that communication/support is immediate and convenient. The class will also meet as a large group once a week for 20 minutes.

2. There is no charge for the course, with the exception of certain supplies you will need that are outlined in the next section. Computers will be provided by MSA if needed!

3. The course can be offered as part of your regular school day and there will be very little homework as you will have plenty of time to complete tasks during the normal school day!

4. This course will help you with study skills, future readiness, post-secondary decisions, career paths, employment/leadership skills, etc. This course is especially beneficial to juniors who will need to make some important decisions as a senior. This course allows you to get a head start in thinking about your future.

5. You will be experiencing this course with your peers by your side. This provides an extra support system!