

# SHIVELA MIDDLE SCHOOL

2016-2017

## COURSE CATALOG



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Dear Parents and Students:

Welcome to the 2016-2017 school year. We look forward to beginning Shivela's 27th year in Murrieta. We have many exciting opportunities to offer our students in creating a college going culture in middle school.

We are working to create many rigorous classes and programs to support the new teaching standards and challenge our students in ways never before seen at Shivela Middle School. We are excited about the introduction of new instructional technologies that will enhance our student's educational experiences and foster an environment of creativity and innovation.

Our commitment is to help our students to achieve their full potential academically, socially and emotionally. We strive to create a positive and safe culture through leading our students to live the Panther L.I.F.E. Learning, Integrity, Friendship and Excellence is our mission and the core of our belief system, and it is every staff and student's responsibility to live up to the tenets of L.I.F.E. and to continue to build upon Shivela's strong academic tradition, which has made our school a cornerstone in the Murrieta community for the past 25 years.

On behalf of our faculty and staff members, we extend an enthusiastic welcome to all of our students and families. We look forward to working with each of you this coming year. Thank you for your support of Shivela Middle School.

Go Panthers!

Living the Panther L.I.F.E. (Learning, Integrity, Friendship, Excellence)

Dr. Mark Pettengill

Principal



## COURSE REQUEST INSTRUCTIONS

**\*Current SMS students will request their courses online using the [Aeries Parent Portal](#) on the following dates from 6:00 am—11:00 pm**

**March 14, 2016—March 18, 2016**

- \*In late spring, students will meet with their counselor to review their course selections.
- \*You can only sign up for **ONE** zero period class.
- \*Remember that year-long elective classes require you to either apply, try-out, or interview. You will not be enrolled in the class until you are approved for it.
- \*Some courses have a prerequisite that must be met prior to enrolling in that course.
- \*If you miss your assigned window of time for online course request, your counselor will select your classes for you after all other students have completed the online process.

Click [here](#) for a short slide show on how to complete your online course selections.

Once signed into the portal, click on the Student Info tab, drop down to Course Request entry. On the right hand side click on show all course and select a subject. From that list select the course you wish to take. You will do this each time for each subject including electives.

**You can only choose ONE zero period class**

2016-17  
6th Grade Course Offerings

<ul style="list-style-type: none"> <li>◆ Math 6 #21600</li> <li>◆ Advanced Math 6 #21605</li> </ul>	
<ul style="list-style-type: none"> <li>◆ Language Arts 6 #23600</li> <li>◆ Advanced Language Arts 6 #23601</li> </ul>	
<ul style="list-style-type: none"> <li>◆ Science 6 #22600</li> </ul>	
<ul style="list-style-type: none"> <li>◆ Social Studies 6 #24600</li> </ul>	
<ul style="list-style-type: none"> <li>◆ Physical Education #25600</li> </ul>	<p>All 6th grade students must take PE. Uniforms will be available for purchase at orientation in August for \$25.00</p>
<ul style="list-style-type: none"> <li>◆ Exploratory</li> <li>◇ Semester rotation</li> <li><b>or</b></li> <li>◇ Year-long class **</li> </ul> <p>(Band, Strings, Choir, Theatre Arts 1, or Senate) <b>Some classes require applications that can be found in the course description section of this catalog.</b></p>	<p>**If you are planning on submitting an application for a year-long elective class, you must select an alternative Exploratory class in case your application is denied or the class becomes full prior to your completion of your course selections.</p>

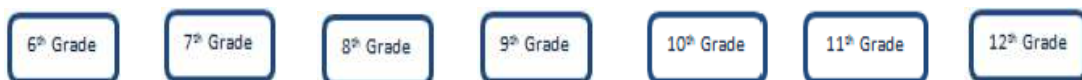
## 2016-17 7th Grade Course Offerings

<ul style="list-style-type: none"> <li>◆ Math 7 #21705</li> <li>◆ Advanced Math 7 #21610</li> <li>◆ Accelerated Math 7/8 # 21807</li> <li>◆ Zero Period Math 7 # 21710 (Integrated Math 7)</li> </ul>	<p>All 7th grade students must take Math.</p> <p>*Zero Period Math - Signing up for a zero period class does not guarantee that you are in the class. It only shows your interest and will be determined based on availability.</p> <p><b>ONLY SELECT ONE ZERO PERIOD CLASS</b></p>
<ul style="list-style-type: none"> <li>◆ Language Arts 7 #23700</li> <li>◆ Advanced Language Arts 7 #23701</li> </ul>	
<ul style="list-style-type: none"> <li>◆ Science 7 #22700</li> <li>◆ Advanced Science 7 #22701</li> </ul>	
<ul style="list-style-type: none"> <li>◆ Social Studies 7 #24700</li> <li>◆ Advanced Social Studies 7 #24701</li> </ul>	
<ul style="list-style-type: none"> <li>◆ Physical Education #25700</li> <li>◆ Athletic PE (zero only)* #25820</li> <li>◆ Cross Country (zero only)* #26700</li> <li>◆ Gen PE (zero only)* #25810</li> </ul>	<p>All 7th grade students must take PE.</p> <p>*Zero Period PE - Signing up for a zero period class does not guarantee that you are in the class. It only shows your interest and will be determined based on availability.</p> <p><b>ONLY SELECT ONE ZERO PERIOD CLASS</b></p>
<ul style="list-style-type: none"> <li>◆ Exploratory</li> <li>◇ Semester rotation</li> </ul> <p><b>or</b></p> <ul style="list-style-type: none"> <li>◇ Year-long class **</li> </ul> <p>(Yearbook, Video Production, Theatre Arts 1, Film 1, Renaissance, ASB, Band, Strings, Choir, Beginning Photography)</p>	<p>**If you are planning on submitting an application for a year-long elective class, you must select an alternative Exploratory class in case your application is denied or the class becomes full prior to your completion of your course selections.</p> <p><b>Some classes require applications that can be found in the course description section of this catalog.</b></p>

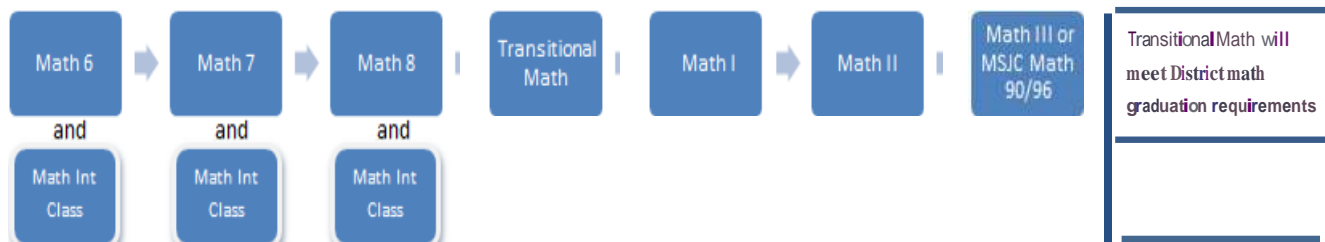
## 2016-17 8th Grade Course Offerings

<ul style="list-style-type: none"> <li>◆ Math 8 #21805</li> <li>◆ Advance Math 8 #21607</li> <li>◆ Advanced Math 1 #2212</li> <li>◆ Zero Period Math 8 #21810</li> </ul>	<p>All 8th grade students must take Math.</p> <p>*Zero Period Math - Signing up for a zero period class does not guarantee that you are in the class. It only shows your interest and will be determined based on availability.</p> <p><b>ONLY SELECT ONE ZERO PERIOD CLASS</b></p>
<ul style="list-style-type: none"> <li>◆ Language Arts 8 #23800</li> <li>◆ Advanced Language Arts 8 #23801</li> </ul>	
<ul style="list-style-type: none"> <li>◆ Science 8 #22800</li> <li>◆ Advanced Science 8 #22801</li> </ul>	
<ul style="list-style-type: none"> <li>◆ Social Studies 8 #24800</li> <li>◆ Advanced Social Studied 8 #24801</li> </ul>	
<ul style="list-style-type: none"> <li>◆ Physical Education #25800</li> <li>◆ Athletic PE (zero only)* # 25820</li> <li>◆ Cross Country (zero only)* #26700</li> <li>◆ Gen PE (zero only)* # 25810</li> </ul>	<p>All 8th grade students must take PE.</p> <p>*Zero Period PE - Signing up for a zero period class does not guarantee that you are in the class. It only shows your interest and will be determined based on availability.</p> <p><b>ONLY SELECT ONE ZERO PERIOD CLASS</b></p>
<ul style="list-style-type: none"> <li>◆ Exploratory</li> <li>◇ Semester rotation</li> </ul> <p><b>or</b></p> <ul style="list-style-type: none"> <li>◇ Year-long class **</li> </ul> <p>(Yearbook, Video Production, Theatre Arts 1 or 2, Film 1, Renaissance, ASB, Band, Strings, Choir, Beginning Photography, Advanced Photography, W.E.B., Applied Mathematics)</p>	<p>**If you are planning on submitting an application for a year-long elective class, you must select an alternative Exploratory class in case your application is denied or the class becomes full prior to your completion of your course selections.</p> <p><b>Some classes require applications that can be found in the course description section of this catalog.</b></p>

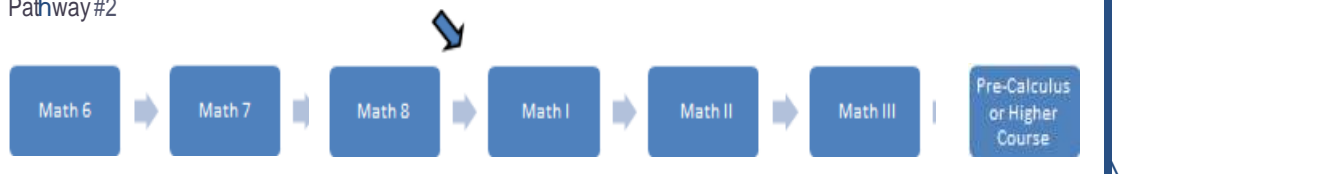
## MVUSD Mathematics Pathway



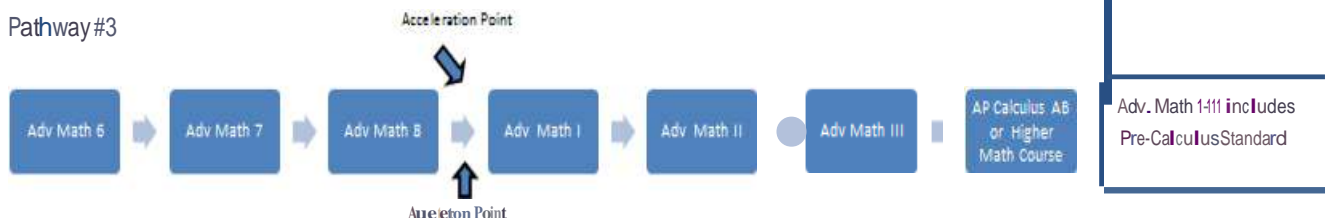
**Pathway #1** This pathway includes an additional intervention class for middle school with the goal of ensuring student success in mathematics.



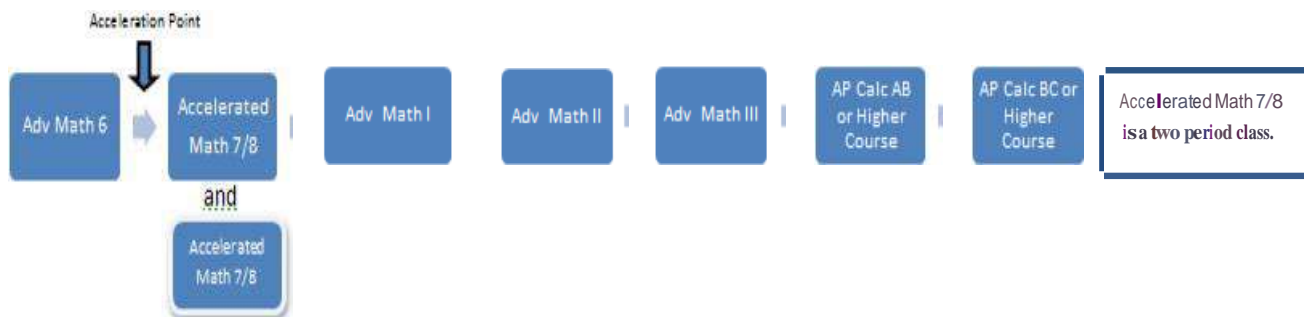
**Pathway #2**



**Pathway #3**



**Pathway #4**



**Math Pathway Information:**

Students must pass Integrated Math I to fulfill California High school graduation requirements. The three-year sequence of Math I, II, and III correspond to Algebra I, Geometry, and Algebra II standards. Students may move among pathways based on progress, needs and goals at any time.

STEM projects/activities will be included in all middle school math course.

Students will be placed into math courses based on math grades, teacher recommendations, assessment scores and parent/counselor consultation. There may be individual cases beyond the above course pathways that require individual attention and/or need for further advanced coursework based on student progress and performance.

# Course Descriptions - Math

## **Math 6**

Grade Level: 6

**Course # 21600**

Prerequisite: None

Length: Year

This course meets the 6th grade California State Standards for Mathematics. Math 6 will emphasize the five domains including Ratios, Proportional Relationships, the Number System, Expressions, Equations, Geometry, Statistics and Probability. The first semester emphasizes the skills of working with numerical expressions and factors, algebraic expressions, properties, rates, ratios, and geometry. In addition, students will continue to build on prior knowledge of concepts such as fractions and decimals. The second semester focuses on integers, equations, inequalities, geometry, statistics and probability. Students will routinely use the standards for mathematical practice to make sense of problems, justify solutions and conclusions, model with mathematics, and strategically use technology to analyze and solve real-world problems. STEM activities will be integrated throughout the course.

## **Advanced Math 6**

Grade Level: 6

**Course # 21605**

Prerequisite: A or B in Math 5 and Teacher Recommendation

Length: Year

This course meets the 6th grade California Standards for Mathematics. Students will deepen and extend their understanding of the five domains including Ratios, Proportional Relationships, the Number System, Expressions, Equations, Geometry, Statistics and Probability. The first semester emphasizes the skills of working with numerical expressions and factors, algebraic expressions, properties, rates, ratios, and geometry. In addition, students will continue to build on prior knowledge of concepts such as fractions and decimals. The second semester focuses on integers, equations, inequalities, geometry, statistics and probability. Students will routinely use the standards for mathematical practice to make sense of problems, justify solutions and conclusions, model with mathematics, and strategically use technology to analyze and solve real-world problems. Interdisciplinary and STEM activities will be integrated throughout the course.

## **Math 7**

Grade Level: 7

**Course # 21705**

Prerequisite: None

Length: Year

This course meets the 7th grade California State Standards for Mathematics. Math 7 will emphasize the five domains including Ratios, Proportional Relationships, the Number System, Expressions, Equations, Geometry, Statistics and Probability. The first semester emphasizes the skills of rational number operations, equivalent expressions, solving problems using linear equations and inequalities. The second semester focuses on analyzing proportional relationships, geometric relationships, solving problems using angles, surface area, volume, and finding probability of events. Other topics will include drawing, constructing and describing geometrical figures and describing the relationships between them. Students will routinely use the standards for mathematical practice to make sense of problems, justify solutions and conclusions, model with mathematics, and strategically use technology to analyze and solve real-world problems. STEM activities will be integrated throughout the course.

## **Advanced Math 7**

Grade Level: 7

**Course # 21606**

Prerequisite: A or B in Advanced Math 6 and Teacher Recommendation

Length: Year

This course meets the 7th grade California State Standards for Mathematics. Students will deepen and extend their understanding of the five domains including Ratios, Proportional Relationships, the Number System, Expressions, Equations, Geometry, Statistics and Probability. The first semester emphasizes the skills of rational number operations, equivalent expressions, solving problems using linear equations and inequalities. The second semester focuses on analyzing proportional relationships, geometric relationships, solving problems using angles, surface area, volume, and finding probability of events. Other topics will include drawing, constructing and describing geometrical figures and describing the relationships between them. Students will routinely use the standards for mathematical practice to make sense of problems, justify solutions and conclusions, model with mathematics, and strategically use technology to analyze and solve real-world problems. Interdisciplinary and STEM activities will be integrated throughout the course.



# Course Descriptions – Math Cont.

## Math 8

Grade Level: 8

### Course # 21805

Prerequisite: *Completion of Math 7*

Length: Year

This course meets the 8th grade California State Standards for Mathematics. Math 8 will emphasize the five domains including the Number System, Expressions, Equations, Functions, Geometry, Statistics and Probability. The first semester emphasizes the skills of real number operations, radicals and integer exponents, the connection between proportional relationships and linear equations, and solving systems of linear equations. The second semester focuses on defining and evaluating functions, modeling relationships, geometric congruence and similarity, Pythagorean theorem, volume and statistics and probability. Students will routinely use the standards for mathematical practice to make sense

of problems, justify solutions and conclusions, model with mathematics, and strategically use technology to analyze and solve real-world problems. STEM activities will be integrated throughout the course.

## Accelerated Math 7/8

Grade Level: 7

### Course # 21807

Prerequisite: *An advanced score on pre-requisite test, an "A" in advanced Math 6, and teacher recommendation.*

Length: Year

This accelerated course meets the 7th and 8th grade California State Standards for Mathematics in one school year. The amount of material to be covered requires that students to be enrolled in two class periods. Students will be prepared to take Advanced Math I (high school math course) in 8th grade which allows them to take Advanced Placement (AP), International Baccalaureate (IB), Dual Enrollment (DE) during their junior and senior year. This course completes all content from Advanced Math 7 and Advanced Math 8. Students will routinely use the standards for mathematical practice to make sense of problems, justify solutions and conclusions, model with mathematics, and strategically use technology to analyze and solve real-world problems. Interdisciplinary and STEM activities will be integrated throughout the course.

## Advanced Math 8

Grade Level: 8

### Course # 21607

Prerequisite: *A or B in Advanced Math 7*

Length: Year

This course meets the 8th grade California State Standards for Mathematics. Students will deepen and extend their understanding of the five domains including the Number System, Expressions, Equations, Functions, Geometry, Statistics and Probability. The first semester emphasizes the skills of real number operations, radicals and integer exponents, the connection between proportional relationships and linear equations, and solving systems of linear equations. The second semester focuses on defining and evaluating functions, modeling relationships, geometric congruence and similarity, Pythagorean theorem, volume and statistics and probability. Students will routinely use the standards for mathematical practice to make sense of problems, justify solutions and conclusions, model with mathematics, and strategically use technology to analyze and solve real-world problems. Interdisciplinary and STEM activities will be integrated throughout the course.

## Advanced Math 1

Grade Level: 8

### Course # 2212

Prerequisite: *C" or better in Accelerated Math 7/8 or Teacher Recommendation*

Length: Year

Special Note: Must be taken with Applied Mathematics as a lab

This course is awaiting UC/CSU (c) and district approval to meet college entrance and district graduation requirements for math credit. The critical areas of this course are: Relations and Functions, Linear Equations and Inequalities, Systems of Equations and Inequalities, Polynomial Expressions, Exponential Functions, Geometric Properties and Congruence, and Probability and Statistics. In addition, students will deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data. Students routinely use the standards for mathematical practice to make sense of problems, justify solutions and conclusions, model with mathematics, and strategically use technology to analyze and solve real-world problems.

# Course Descriptions - Language Arts

## Language Arts 6

Grade Level: 6

Course # 23600

Prerequisite: *Completion of LA 5*

Length: Year

Language arts students will focus on improving language understanding through reading, writing, listening, and speaking. Students' English skills will grow through a multitude of experiences including grammar, spelling, vocabulary, and various types of writing. Standards will be followed closely, ensuring a comprehensive and enriching language arts program.

## Advanced Language Arts 6

Grade Level: 6

Course # 23601

Prerequisite: *A or B in Language Arts 5 and Teacher Recommendation*

Length: Year

This course focuses on nonfictional and literature, critical reading, essays, the writing process, and an introduction to academic research fundamentals. Students will construct a variety of academic essays with careful consideration of audience, purpose, tone, and appropriate rhetorical mode. In the advanced course, students will focus on independent, in-depth reading of challenging texts with greater emphasis on higher level thinking skills. Advanced students will read and write extensively. Students should be self-motivated, work well both independently and collaboratively, and possess strong organizational skills.

## Language Arts 7

Grade Level: 7

Course # 23700

Prerequisite: *Completion of Language Arts 6*

Length: Year

This course will focus on nonfiction and literature texts, critical reading, essays, the writing process, and an introduction to academic research fundamentals while using MLA format. With the focus on the four modes of written discourse, students will read a variety of works modeling the styles of writing. Literature and nonfiction texts will be studied within the context of a writing based curriculum that will help students think and write critically. Students will construct a variety of academic essays with careful consideration of audience, purpose, tone and appropriate rhetorical mode. Grammar and paragraphing will be addressed as well as strategies to develop academic vocabulary. Students will take part in collaborative conversations in class and through the use of technology to develop academic language and to effectively access rigorous curriculum. Assessments will include performance tasks, conventional assessments, multimedia presentations, portfolios and published products.

## Advanced Language Arts 7

Grade Level: 7

Course # 23701

Prerequisite: *A or B in Advanced Language Arts 7 and Teacher Recommendation*

Length: Year

This course will focus on nonfiction and literature, critical reading, essays, the writing process, and an introduction to academic research fundamentals. Students will construct a variety of academic essays with careful consideration of audience, purpose, tone and appropriate rhetorical mode. Literature and nonfiction texts will be studied within the context of a writing based curriculum that will help students think and write critically. With the focus on the four modes of written discourse, students will read a variety of works modeling the style of writing. Grammar and paragraphing will be addressed as well as strategies to develop academic vocabulary. Students will take part in collaborative conversations in class and through the use of technology to effectively access rigorous curriculum. Assessment will include performance tasks, conventional assessments, multimedia presentations, portfolios and published products. In the advanced course, students will focus on independent, in-depth reading of challenging texts with greater emphasis on higher level thinking skills. Advanced students will read and write extensively.

# Course Descriptions –Language Arts Cont.

## **Language Arts 8**

Grade Level: 8

**Course # 23800**

Prerequisite: *Completion of Language Arts 7*

Length: Year

The English/Language Arts program is balanced and comprehensive. The language arts processes of reading, writing, listening, and speaking are taught in an integrated and inter-related manner. Course components include the study of rich and varied literary and informational text; writing in all the genres; and direct instruction in language arts skills and strategies. Students will work independently, as well as collaboratively, to learn how to understand what they have read and evaluate an author's assumptions and claims. Students will conduct research that will require the analysis of resources and accurate interpretation of literary and informational text. They will use technology and digital media strategically to enhance their reading, writing, speaking, listening and language use.

## **Advanced Language Arts 8**

Grade Level: 8

**Course # 23801**

Prerequisite: *A or B in Advanced Language Arts 7 and Teacher Recommendation.*

Length: Year

The 8th grade Advanced English Language Arts course will provide students with a challenging curriculum that teaches to the same standards as the English/Language Arts 8 course. At the advanced level, extended learning activities will require students to increase their use of critical thinking skills to include analysis, synthesis, and problem solving. The curriculum moves at an accelerated pace with a more concentrated focus.

# Course Descriptions – Social Studies

## **Social Studies 6**

Grade Level: 6

**Course # 24600**

Prerequisite: *Completion of Social Studies 5*

Length: Year

World history students will examine the ancient world from Pre-history through the Middle Ages using five key strands of social studies. While examining the history of the ancient world, students will analyze the connections among geography, government, culture, and economics. Students will also develop critical process skills for assessing issues, problem solving, decision-making and taking civic action.

## **Social Studies 7**

Grade Level: 7

**Course # 24700**

Prerequisite: *Completion of Social Studies 6*

Length: Year

Students will begin with the fall of the Western Roman Empire and conclude with the Enlightenment and the Age of Reason. This course roughly covers a 2,000 year period of time introducing cultures from five of the Seven Continents. In each society studied there will be six primary areas of emphasis: geography, culture, economics, government, religious beliefs, and technology.

## **Advanced Social Studies 7**

Grade Level: 7

**Course # 24701**

Prerequisite: *Students must have earned an A or B in 6<sup>th</sup> grade social studies and Teacher Recommendation.*

Length: Year

Students will begin with the fall of the Western Roman Empire and conclude with the Enlightenment and the Age of Reason. This course roughly covers a 2,000 year period of time introducing cultures from five of the Seven Continents. In each society studied there will be six primary areas of emphasis: geography, culture, economics, government, religious beliefs, and technology.

A student can expect this course to be more rigorous than the standard 7<sup>th</sup> grade social studies class. This course will include supplemental activities, vocabulary and projects. The expectation for this class is that a student will be self-motivated, complete assignments in individual and group settings.

## **Social Studies 8**

Grade Level: 8

**Course # 24800**

Prerequisite: *Completion of Social Studies 7*

Length: Year

In United States History 8, students will study U.S. history from the founding of English colonies in America to the United States' entrance into World War I. Students will learn to think and write like historians, utilizing skills such as sourcing, contextualizing, close reading, and corroboration. Students will examine the social, cultural, political and technological changes during this time in American history in an attempt to foster multicultural awareness and the recognition and application of the democratic values at the core of American society.

## **Advanced Social Studies 8**

Grade Level: 8

**Course # 24801**

Prerequisite: *A or B in Advanced Social Studies 7 and Teacher*

*Recommendation.* Length: Year

In Advanced United States History 8, students follow the same curriculum standards as in the United States History 8 course but with increased academic rigor. Activities designed to foster high-level cognitive skills will require students to continually analyze, synthesize, evaluate, and problem-solve. Advanced students must have the potential to proceed through the standards at an accelerated rate and complete more in-depth work.

# Course Descriptions – Science

## Science 6

Grade Level: 6

Course # 22600

Prerequisite: None

Length: Year

This course covers Grade 6 California science standards on plate tectonics and Earth's structure, shaping Earth's surface, heat and thermal energy, Energy in the Earth system, Ecology, Earth's resources, and investigation and experimentation. Students will complete investigative projects and activities designed to reinforce the principles of the scientific method. Students will be required to maintain a Earth Science Notebook which will contain notes, class assignments, lab work, homework assignments, and personal reflections. Multiple projects will be required throughout the school year.

## Science 7

Grade Level: 7

Course # 22700

Prerequisite: *Completion of Science 6*

Length: Year

This course covers Grade 7 California science standards on cell biology, genetics, evolution, Earth and life history, structure and function in living systems. Students will complete investigative projects and activities designed to reinforce the principles of the scientific method. Students will be required to maintain a Life Science Notebook which will contain notes, class assignments, lab work, homework assignments, and personal reflections. Multiple projects will be required throughout the school year.

## Advanced Science 7

Grade Level: 7

Course # 22701

Prerequisite: *Grade A or B in 6<sup>th</sup> Grade Science and Teacher*

*Recommendation.* Length: Year

This course covers Grade 7 California science standards on cell biology, genetics, evolution, Earth and life history, structure and function in living systems. Students will complete investigative projects and activities designed to reinforce the principles of the scientific method. Students will be required to maintain a Life Science Notebook which will contain notes, class assignments, lab work, homework assignments, and personal reflections. Multiple projects will be required throughout the school year.

Advanced 7<sup>th</sup> Grade Science will require a faster pace. Students will cover subjects in more depth, using more critical thinking and more inquiry type lessons. This is a challenging course with an emphasis on problem solving and requires the student to have strong math skills.

## Science 8

Grade Level: 8

Course # 22800

Prerequisite: *Completion of Science 7*

Length: Year

This course covers Grade 8 California science standards on motion, forces, structure of matter, Earth in the solar system, reactions, chemistry of living things, periodic table, density, buoyancy, investigation and experimentation. Students will complete investigative projects and activities designed to reinforce the principles of the scientific method. Students will be required to maintain a Physical Science Notebook which will contain notes, class assignments, lab work, homework assignments, and personal reflections. Multiple projects will be required throughout the school year.

## Advanced Science 8

Grade Level: 8

Course # 22801

Prerequisite: *Grade A or B in 7<sup>th</sup> Grade Science and Teacher Recommendation*

Length: Year

This course covers Grade 8 California science standards on motion, forces, structure of matter, Earth in the solar system, reactions, chemistry of living things, periodic table, density, buoyancy, investigation and experimentation. Students will complete investigative projects and activities designed to reinforce the principles of the scientific method. Students will be required to maintain a Physical Science Notebook which will contain notes, class assignments, lab work, homework assignments, and personal reflections. Multiple projects will be required throughout the school year.

Advanced 8<sup>th</sup> Grade Science will require a faster pace. Students will cover subjects in more depth, using more critical thinking and more inquiry type lessons. This is a challenging course with an emphasis on problem solving and requires the student to have strong math skills.

# Course Descriptions – Physical Education

## **Physical Education 6**

Grade Level: 6

**Course # 25600**

Prerequisite: None

Length: Year

This course meets California requirements for Physical Education. This course will emphasize the development of movement skills and movement knowledge, self-image, personal growth, and social evolution. Students will be introduced to and participate in a variety of individual, dual, and cooperative activities. Daily participation in exercises that improve flexibility, muscle strength, and cardiovascular endurance will emphasize the benefits of lifetime health and fitness. In addition, concepts in total personal fitness and wellness will be covered. State mandated physical fitness test will be administered throughout the year.

## **Physical Education 7**

Grade Level: 7

**Course # 25700**

Prerequisite: None

Length: Year

This course meets California requirements for Physical Education. This course will emphasize the development of movement skills and movement knowledge, self-image, personal growth, and social evolution. Students will be introduced to and participate in a variety of individual, dual, cooperative activities and team games. Daily participation in exercises that improve flexibility, muscle strength, and cardiovascular endurance will emphasize the benefits of lifetime health and fitness. In addition, concepts in total personal fitness and wellness will be covered. State mandated physical fitness test will be administered throughout the year.

## **Physical Education 8**

Grade Level: 8

**Course # 25800**

Prerequisite: None

Length: Year

This course meets California requirements for Physical Education. This course will emphasize the development of movement skills and movement knowledge, self-image, personal growth, and social evolution. Students will be introduced to and participate in a variety of individual, dual, cooperative activities and team sports. Daily participation in exercises that improve flexibility, muscle strength, and cardiovascular endurance will emphasize the benefits of lifetime health and fitness. In addition, concepts in total personal fitness and wellness will be covered. State mandated physical fitness test will be administered throughout the year.

# Course Descriptions -Zero Period Classes

## Cross Country

Grade Level: 7-8

Course # 26700

Prerequisite: None

Length: Year

*Taking this course will allow students the opportunity to have an additional elective or intervention class during the regular school day.* This course meets California requirements for physical education or elective credit. This course is designed for the student interested in Cross Country with an emphasis on aerobic activity. The student will use a variety of aerobic activities (Step aerobics, speed work, distance running, tempo runs, hill work, repeats, walking, jogging, jump rope, resistance exercises and nutrition) to increase cardiovascular endurance, flexibility, muscular strength and overall fitness. This course will also focus on the development of movement skills and movement knowledge, self-image and personal growth, and social evolution.

## General Physical Education

Grade Level: 7-8

Course # 25810

Prerequisite: None

Length: Year

*Taking this course will allow students the opportunity to have an additional elective or intervention class during the regular school day.* This course meets California requirements for Physical Education. This course will emphasize the development of movement skills and movement knowledge, self-image, personal growth, and social evolution. Students will be introduced to and participate in a variety of individual, dual, cooperative activities and team sports. Daily participation in exercises that improve flexibility, muscle strength, and cardiovascular endurance will emphasize the benefits of lifetime health and fitness. In addition, concepts in total personal fitness and wellness will be covered. State mandated physical fitness test will be administered throughout the year.

## Athletic PE: Fitness & Conditioning

Grade Level: 7-8

Course # 25820

Prerequisite: None

Length: Year

*Taking this course will allow students the opportunity to have an additional elective or intervention class during the regular school day.* This course meets the California requirements for physical education or elective credit. This course is designed for the student interested in a total fitness program with an emphasis on aerobic activity. The student will use a variety of aerobic activities (aerobic dance, step aerobics, jump rope, walking, jogging, light weights and resistance exercise) to increase cardiovascular endurance, flexibility, muscular strength and overall fitness. This course will also focus on the development of movement skills and movement knowledge, self-image and personal growth, and social evolution.

## Computer Programming/Coding

Grade Level: 7-8

Course # 22152

Prerequisite: Grade "C" or better in 6th or 7th grade math / teacher recommendation

Length: Year

Computer programming (also known as "coding") teaches you how to give instructions to a computer to solve a problem. We learn the "BASIC" (Beginner's All-purpose Symbolic and Instructional Code") language to tell the computer how to add things up, make decisions, or do a task many times in a row. Programming involves a lot of math because you have to write formulas for the computer to know what to. It is important that your math skills are sharp and that you have adequate understanding of Pre-Algebra to do well in this class.

# Course Descriptions –Zero Period Classes Cont.

## **Intro to S.T.E.M.**

Grade Level: 6

Course # 26151

Prerequisite: None

Length: Year

The course is designed to prepare future engineers with problem solving, design and modeling skills. Students will work cooperatively to investigate, design and build models and systems about the natural world using the practices and skills that engineers use. For example, design, build, and test aerodynamic factors such as fins and launch angle to maximize the flight distance of a water bottle rocket. This will help students better understand the relevance of science, technology, engineering and mathematics (the four STEM fields) in everyday life. Topics covered include Newtonian mechanics, motion, and the interaction of objects including aerial flight. This is a challenging course with an emphasis on problem solving and math skills.

## **STEM and Design**

Grade Level: 7-8

Course # 26153

Prerequisite: None

Length: Year

The course is designed to extend student's knowledge of inquiry and the process of Design Thinking. Students will explore historical problems and design alternative solutions. Students will also find local and world problems and design solutions using empathy, prototyping, testing and reflection. Students will keep an engineer's notebook.

## **Zero Period Math 7**

Grade Level: 7

Course # 21710

Prerequisite: None

Length: Year

This course meets the 7th grade California State Standards for Mathematics. Math 7 will emphasize the five domains including Ratios, Proportional Relationships, the Number System, Expressions, Equations, Geometry, Statistics and Probability. The first semester emphasizes the skills of rational number operations, equivalent expressions, solving problems using linear equations and inequalities. The second semester focuses on analyzing proportional relationships, geometric relationships, solving problems using angles, surface area, volume, and finding probability of events. Other topics will include drawing, constructing and describing geometrical figures and describing the relationships between them. Students will routinely use the standards for mathematical practice to make sense of problems, justify solutions and conclusions, model with mathematics, and strategically use technology to analyze and solve real-world problems. STEM activities will be integrated throughout the course.

**\*\* This course meets 5 days a week**

## **Zero Period Math 8**

Grade Level: 8

Course # 21810

Prerequisite: *Completion of Math 7*

Length: Year

This course meets the 8th grade California State Standards for Mathematics. Math 8 will emphasize the five domains including the Number System, Expressions, Equations, Functions, Geometry, Statistics and Probability. The first semester emphasizes the skills of real number operations, radicals and integer exponents, the connection between proportional relationships and linear equations, and solving systems of linear equations. The second semester focuses on defining and evaluating functions, modeling relationships, geometric congruence and similarity, Pythagorean theorem, volume and statistics and probability. Students will routinely use the standards for mathematical practice to make sense of problems, justify solutions and conclusions, model with mathematics, and strategically use technology to analyze and solve real-world problems. STEM activities will be integrated throughout the course.

**\*\* This course meets 5 days a week**



# Course Descriptions – Electives

## Yearbook

Grade Level: 7-8

Course # 26132

Prerequisite: [Application](#)

Length: Year

In this yearlong class the students create the Yearbook, starting with the theme and creating the cover as well as designing the pages for classes, clubs, and activities. They are required to take pictures of all of the classes, clubs, or activities. They will learn to use an online graphic arts program, cameras, and interviewing. They also work with the distribution of the yearbook as well.

## Video Production

Grade Level: 7-8

Course # 26147

Prerequisite: [Application/Interview](#) / [Signed Media Release](#)

Length: Year

This is a leadership class and requires an application and interview process. This course is designed to bring Shivela news to our campus and community. Our school news is broadcast in classrooms every Monday and will be posted on our school website. Students will be part of a production crew and will be responsible for producing weekly broadcasts that could include filming events outside of school hours. The class will be using Final Cut Pro software, green screen capability and video cameras to edit film projects in class.

## Theatre Arts/Drama 1

Grade Level: 6-7

Course # 26145

Prerequisite: [Signed Media Release](#)

Length: Year

Drama 1 is a beginning acting and media arts class. Students will perform in class on stage and in front of the camera. We will cover basic acting techniques that include improvisation, duets, monologues, short plays and a media project. This is a perfect beginner class for any student that wants to get into acting, but is just getting started.

## Renaissance

Grade Level: 7-8

Course # 26126

Prerequisite: [Application](#) and [Interview](#)

Length: Year

This program is designed to give 7<sup>th</sup> and 8<sup>th</sup> graders the opportunity to work in three important capacities: the improvement of self, of school and of community. Students will become involved in committees responsible for specific tasks to acknowledge other students, and find ways to positively affect the school and community. Each opportunity will enhance their leadership abilities. The focus areas include communication skills, goal setting, project planning, and implementation and evaluation. In addition, students will be expected to participate in spirit days sponsored by ASB.

## ASB

Grade Level: 7-8

Course # 26130

Prerequisite: [Application/Interview](#) required

Length: Year

The Shivela Middle School Associated Student Body class is the core of all activities on campus. ASB is in charge of planning, creating, and running all events on campus as well as maintaining a strong student led government. ASB is a student lead class and is overseen by the Activities director.

# Course Descriptions – Electives Cont.

## Senate Leadership

Grade Level: 6

Course # 26127

Prerequisite: [Application](#) and [teacher recommendations](#)

Length: Year

This program is designed to give 6<sup>th</sup> graders the opportunity to serve in three important capacities: the improvement of self, of school and of community. The students will work to understand their strengths and improve themselves as individuals through classroom activities, speeches and projects. Students will become involved in committees charged with specific tasks to improve the school and community.

The students will gain and work on their leadership skills as they work in these committees. The focus areas include communication skills, goal setting, project planning, and implementation and evaluation. In addition, students will be expected to participate in spirit days sponsored by ASB.

## **Beginning Band**

Grade Level: 6-8

**Course # 26104**

Prerequisite: None

Length: Year

This is the class for students who have never played a band instrument or have less than 9 months experience. Beginning Band is a student's elective course. Major focus points are posture, breathing, reading rhythms accurately, reading musical notation and developing listening skills. Other music for performances is passed out during the course of the year. Beginning Band performs mostly at school concerts. Only traditional band instruments are used in this course (flute, clarinets, alto saxophone, oboe, bassoon, trumpet, horn, trombone, baritone horn, euphonium, tuba, and concert percussion).

## **Cadet Band**

Grade Level: 6-8

**Course # 26105**

Prerequisite: *Completion of full year of at least two hours per week instruction*

Length: Year

This is the class for students who have a minimum of one year of playing experience. Cadet Band is a student's elective course. Due to the fact that the students do not get much time with the band instructor during the 5th grade year, this class starts off with review of the basics before getting further in to the text. Major focus points are posture, breathing, reading rhythms accurately, reading musical notation and developing listening skills. Other music for performances is passed out during the course of the year. Cadet Band performs mostly at school concerts. Only traditional band instruments are used in this course (flute, clarinets, saxophones, oboe, bassoon, trumpet, horn, trombone, baritone horn, euphonium, tuba, and concert percussion).

## **Intermediate Band**

Grade Level: 7-8

**Course # 26106**

Prerequisite: *Completion of a full year of at least five hours per week instruction*

Length: Year

This class is for students who have successfully completed one or two years of middle school band instruction. Intermediate Band is a student's elective course. This class picks up where Cadet Band left off, further exploring new rhythms, styles and developing the young musician. They are expected them to retain concepts that were learned in Cadet Band and should not have to teach them again. Performances include school concerts and a local band festival. Only traditional band instruments are used in this course (flute, clarinets, saxophones, oboe, bassoon, trumpet, horn, trombone, baritone horn, euphonium, tuba, and concert percussion).

## **Symphonic Band**

Grade Level: 8

**Course # 26107**

Prerequisite: *Completion of two years of at least five hours per week instruction*

Length: Year

This is the most advanced group at each site. Symphonic Band is a student's elective course. By this time, students have learned most of what they need to know to play in this band, so instruction moves away from the basic elements of music to concentrate on the more abstract concepts of musicianship. This is where students put all of the pieces of previously learned knowledge together to make great music. Students perform at school concerts, for the student body, community and at festivals. Only traditional band instruments are used in this course (flute, clarinets, saxophones, oboe, bassoon, trumpet, horn, trombone, baritone horn, euphonium, tuba, and percussion).

# Course Descriptions - Electives Cont.

## **Beginning Strings Ensemble (Orchestra)**

Grade Level: 6-8

**Course # 26109**

Prerequisite: None

Length: Year

This course meets the Visual & Performing Arts National Standards. This class will provide beginning instruction in playing the violin, viola, and cello. Students will develop the physical and intellectual abilities associated with playing a stringed instrument and reading music in a string ensemble and prepare for orchestra. Students will rehearse, analyze and perform solo and ensemble music, while developing individual and group responsibilities and cooperation. Students are expected to attend all rehearsals and performances. No

experience is necessary, but students must be willing to work hard and be committed to learning how to play and instrument.

### **Advanced Strings Ensemble (Orchestra)**

Grade Level: 6-8

Course # 26111

Prerequisite: 1 or more years of experience – [Audition](#) or Teacher Approval

Length: Year

This course meets the Visual & Performing Arts National Standards. This course will provide advanced instruction in playing the violin, viola, and cello. Students must have 1 year or more previous experience playing a string instrument. Students must be able to play in several key and time signatures and read more complex music. This course will develop the physical and intellectual abilities associated with playing a stringed instrument and reading music. Students will rehearse, analyze and perform solo and ensemble music, while developing individual and group responsibilities and cooperation. Students will develop the discipline and skills required for playing in a string orchestra and musical ensembles. Students are expected to attend all rehearsals and performances.

### **Chorale**

Grade Level: 6

Course # 26101

Prerequisite: None

Length: Year

Chorale is open to 6<sup>th</sup> grade students who want to develop the full range of the singing voice and work on good vocal tone. The song literature will represent different musical styles and students will sing in unison, and in two and three part harmony. Each student will read music notation in treble and bass clefs, read basic rhythm notation and demonstrate appropriate rehearsal discipline and performance skills. Students will be expected to spend additional hours beyond the regular class time, and students will be expected to attend all rehearsals and performances.

### **Concert Choir**

Grade Level: 7-8

Course # 26102

Prerequisite: [Application/Audition-Interview](#) or Instructor Approval

Length: Year

Concert Choir is open to students currently enrolled in grades 7<sup>th</sup> & 8<sup>th</sup> grade. The song literature will represent a variety of musical styles and develop the full vocal range. Students will sing with proper breath control and sings songs in two or three part harmony. Each student will read music treble and bass clefs, read basic rhythm notation and demonstrate appropriate rehearsal discipline and performance skills. Students will be expected to spend additional hours beyond the regular class time and students will be expected to attend all rehearsals and performances.

### **Chamber Choir**

Grade Level: 7-8

Course # 26103

Prerequisite: [Application/Audition-Interview](#) or Instructor Approval

Length: Year

Chamber Choir is for 7<sup>th</sup> & 8<sup>th</sup> grade students with previous music experience in band, choir, or string orchestra. They must audition and demonstrate proper breath support and be able to read music notation. They need to demonstrate ability to sing in 3-4 part harmony with good technical skill for advance choral literature. Students will be expected to attend all rehearsals and performances and demonstrate appropriate rehearsal discipline and performance skills. Students may be expected to spend additional hours beyond the regular class time to rehearse and perform. This class is for advance 7<sup>th</sup> & 8<sup>th</sup> grade students.

## Course Descriptions – Electives Cont.

### **Applied Mathematics**

Grade Level: 8

Course # 21808

Prerequisite: None- Lab component for Advanced Math 1

Length: Year

The aim of this course is to make mathematics relevant in applied contextual formats, such as engineering, physics, astronomy, forensic sciences, computer sciences and 3-D modeling. Students will learn how to use mathematics to solve real life problems in a laboratory

setting, led by the instructor. This class will be a one-year course designed to fill an elective requirement. It will not count as their actual math class for grade level.

### **STEM 6 Exploratory Pathway**

Grade Level: 6

**Course # 26802**

Prerequisite: None

Length: Semester Rotations

**Classes may include:** L.I.F.E Transitions & Intro to Robotics & Intro to Film

### **Art 6 Exploratory Pathway**

Grade Level: 6

**Course # 27802**

Prerequisite: None

Length: Semester Rotations

**Classes may include:** Intro to Photography & Intro to Music

### **STEM 7 Exploratory Pathway**

Grade Level: 7

**Course # 26801**

Prerequisite: None

Length: Semester Rotations

**Classes may include:** L.I.F.E Transitions, Intro to Robotics, Medical, & Intro to Film

### **Art 7 Exploratory Pathway**

Grade Level: 7

**Course # 27803**

Prerequisite: None

Length: Semester Rotations

**Classes may include:** Intro to Photography, & Intro to Music

### **STEM 8 Exploratory Pathway**

Grade Level: 8

**Course # 26800**

Prerequisite: None

Length: Semester Rotations

**Classes may include:** L.I.F.E Transitions, Intro to Robotics, Medical, Sports Statistics & Intro to Film

# Course Descriptions – Electives Cont.

## **Beginning Photography**

Grade Level: 7-8

Course #26194

Prerequisite: None

Length: Year

This course introduces students to both the creative and technical aspects of the photographic arts. Students will learn about the history of photography, camera operations, composition, lighting and digital darkroom basics. The goal of the course is to inspire students to use the “art of seeing” in their images as well as learning an effective workflow from camera to computer.

## **Advanced Photography**

Grade Level: 7-8

Course # 27000

Prerequisite: None

Length: Year

This course will introduce students to more advanced aspects of photography including using manual modes on DSLR cameras, studio lighting, in-depth post-digital editing, and genres of photography such as street, portrait, landscape, macro, commercial and food. Students taking this course will also be required to participate in various projects that will serve to highlight our school culture and aspects of our nearby community.

## **W.E.B Leadership**

Grade Level: 8

Course # 26124

Prerequisite: [Application](#)

Length: Year

WEB is a middle school transition program that welcomes 6th graders and makes them feel comfortable throughout the first year of their middle school experience. It is built on the belief that students can help other students succeed. The WEB program trains members of the 8<sup>th</sup> grade class to be WEB Leaders; as positive role models, WEB Leaders are motivators, leaders and teachers who guide 6th graders to discover what it takes to be successful in middle school. WEB leaders will have a tremendous influence on the students they work with and will learn many valuable leadership skills in the process. The goal of the program is to create a positive community **WHERE EVERYBODY** feels like they **BELONG**.

## **Beginning Robotics**

Grade Level: 8

Course # 26192

Prerequisite: *Introductory Robotics with a B or higher, or instructor/administrator approval*

Length: Year

Students will complete written assignments and give presentations about historic, current and future robotic trends. Students will be expected to contribute to class discussions about various robotics topics. Students must be willing to participate in challenging robot projects including: assembling electronic components to make miniature robots, programming VEX robots, competing in class robot design challenges, make frequent entries in an engineering notebook, and use creativity and teamwork to solve design problems.

## **AVID 7**

Grade Level: 7

Course # 26507

Prerequisite: [Application](#) and Interview

Length: Year

Teaches skills and behaviors for academic success. Provides intensive support with tutorials and strong student/teacher relationships. Creates a positive peer group for students. Prepares students for acceptance into a 4-year college/university. Develops a sense of hope for personal achievement gained through hard work and determination.

# Course Descriptions – Electives Cont.

## **AVID 8**

Grade Level: 8

Course # 26508

Prerequisite: [Application](#) and Interview

Length: Year

Teaches skills and behaviors for academic success. Provides intensive support with tutorials and strong student/teacher relationships. Creates a positive peer group for students. Prepares students for acceptance into a 4-year college/university  
Develops a sense of hope for personal achievement gained through hard work and determination

## **Theatre Arts 2**

Grade Level: 7-8

Course # 27001

Prerequisite: Application / Audition / [Signed Media Release](#)

Length: Year

This course emphasizes basic acting skills such as voice projection, facial expressions and body language through improvisation, monologues, and duets. This course will also include a full play production in the evening and will require after school dress rehearsals. There will also be a portion of the class dedicated to acting in front of the camera. Students will be able to work with video cameras, Mac laptops and use iMovie to do basic editing while creating a short film project.

# Exploratory Rotation Wheel/Course Descriptions

**Sport Statistics** - course is a co-ed elective class. Sports Statistics is designed to intertwine simple and complex math concepts with the learning of terminology, rules, philosophy and analysis of sports. Fun and interesting assignments will be given for a wide variety of sports (ex. Football, Basketball, Softball, Volleyball, etc).

**Intro to Health/Medical** - Provides students with an introduction into the health care delivery system, it's services, occupations, and related sciences. (7,8)

**Intro to Music** - Explores how music is applied to life. (6,7)

**Intro to Film** - Students acquire knowledge and capability to express creative ideas in short script format and video. (6,7,8)

**Intro to Photography** - Introduces students to both the creative and technical aspects of the photographic arts. Students will learn about the history of photography, camera operations, composition, lighting and digital darkroom basics. The goal of the course is to inspire students to use the "art of seeing" in their images as well as learning an effective workflow from camera to computer/print. (6)

**Intro to Robotics** - Students will have opportunities to: study the history of inventions and innovations, including their impacts on society; learn about the core concepts of technology and the various approaches to solving problems, including engineering design and experimentation; and apply their creativity in the invention and innovation of new products, processes, or systems. (6,7,8)

**Panther L.I.F.E. Transitions** - This course is designed to teach students the skills necessary to be successful in Middle school and beyond. This course will cover the basics of organization, and time management, note taking, Haiku, ABI, and the applications of Microsoft 365. In addition to basic typing skills, students will learn how to format documents, power point presentations, Prezi, Wiki projects, discussions and submitting work to the drop box. (6)

**Panther L.I.F.E. Transitions** - This course is designed to teach students the skills necessary to be successful in middle school and beyond. Students will expand upon the skills taught in LT6, learn the basics of Excel, explore the various pathways available to them beyond HS, and learn about the A-G courses. Organization and Note taking-Notebook/Agenda checks, E-mail etiquette, Expand computer skills to include Excel, A-G courses, Research colleges-compare Private vs. Public vs. Specialty. (7)

**Panther L.I.F.E. Transitions** - In this course, students will develop a greater understanding of their personalities and learning styles. They will explore in more depth the various colleges, and trade schools and create a 4 year plan for their high school years. The students will present a culminating project at the end of the 9 weeks. Organization/Notes, Personality/learning style profiles, High School A-G, Colleges-more specific- majors, degrees, requirements, locations, sizes etc., Develop a personalized 4 year plan, Culminating presentation. (8)

**Math**

21610 Math 6  
21605 Advanced Math 6  
21705 Math 7  
21606 Advanced Math 7  
21807 Accelerated Math 7/8  
21805 Math 8  
21607 Advanced Math 8  
2212 Advanced Math 1

**Language Arts**

23600 Language Arts 6  
23601 Advanced Language Arts 6  
23700 Language Arts 7  
23701 Advanced Language Arts 7  
23800 Language Arts 8  
23801 Advanced Language Arts 8

**Science**

22600 Science 6  
22700 Science 7  
22701 Advanced Science 7  
22800 Science 8  
22801 Advanced Science 8

**Social Studies**

24600 Social Studies 6  
24700 Social Studies 7  
24701 Advanced Social Studies 7  
24800 Social Studies 8  
24801 Advanced Social Studies 8

**Physical Education**

25600 PE 6  
25700 PE 7  
25800 PE 8

**Exploratory Wheel**

Intro to Health/Medical 7-8  
Intro to Music 6-7  
Intro to Film 6-8  
Intro to Photography 6

**Zero Period**

25801 Zero /Athletic PE 7-8  
26700 Zero/Cross Country 6-8  
25810 Zero General PE 6-8  
21815 Sports Statistics 7-8  
22152 Computer Programming/Coding 7-8  
26151 Intro to STEM 6  
26153 STEM and Design 7-8  
21710 Math 7 (Integrated Math 7)  
21810 Math 8 (Integrated Math 8)

**Band**

26104 Beginning Band 6-8  
26105 Cadet Band 6-8  
26106 Intermediate Band 7-8  
26106 Symphonic Band 8  
26109 Beginning Strings Orchestra 6-8  
26111 Advanced Strings 6-8

**Choir**

26101 Chorale 6  
26102 Concert Choir 7-8  
26103 Chamber Choir 7-8

**Leadership**

26130 ASB 7-8  
26126 Renaissance 7-8  
26127 Senate 6  
26194 W.E.B 8  
26507 AVID 7  
26508 AVID 8

**Technology**

26201 Film 1 7-8  
26147 Video Production 7-8  
26192 Beginning Robotics 8  
21808 Applied Mathematics 8  
26145 Theatre Arts/Drama 1 6-7  
27001 Theatre Arts/Drama 2 7-8

**Visual Arts**

26132 Yearbook 7-8  
26194 Beginning Photography 7  
27000 Advanced Photography 8



**Live the  
Panther  
L.I.F.E.**

**L**earning  
**I**ntegrity  
**F**riendship  
**E**xcellence

