

SHIVELA MIDDLE SCHOOL

2022-2023

6th GRADE COURSE CATALOG



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Dear Parents and Students:

Welcome to the 2022-2023 school year. We have many exciting opportunities to offer our students by creating a culture of college and career preparation in middle school.

We have created many rigorous classes and programs to support the new teaching standards and challenge our students in ways never before seen at Shivela Middle School. Along with our core classes, we have various choices for students to pursue academically including STEM classes, the arts, various leadership classes and AVID. We provide rich opportunities for students to be exposed to current technology in all classes.

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.

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)

Mike Marble
Principal

Every student will be automatically enrolled in Math, Language arts, Science, Social Studies and PE.

If your students wishes to have an Advanced Math class, they will need to get their current (5th grade) teachers signature on this form, prior to turning it in. Then, they will be placed in that Advanced class.

If your student and you are wanting Zero Period STEM those spaces are limited to 40 spots (over 400 6th graders). If you select Zero period for your 6th grader, it is not a guarantee that you will get it to do limited space. You will know in August. If your students gets into the class, they will be given a Zero period contract (more will be explained to you and your student) they may be dropped from the class if absent or tardy more then 5 times.

Exploratory classes are one semester long and the classes changes at the end of each semester. These classes cannot be chosen and are picked randomly. There are no schedule changes out of any classes if you do not like them.

Yearlong classes are for the entire year, fall and spring semester, the same class. Schedule changes will not be accommodated out of these classes, you have made a commitment. Senate, is a leadership class and it requires an application, which is **due Wednesday March 21, 2022**. Your student will be required to fill out the application online or on paper. You can find the application online on Shivlea's Website. Senate teacher will contact your student if they get accepted into the class.

If you currently are in band at your current school and you choose to continue band for next year, you will choose Cadet band. If you have no previous experience but would like start playing for the first time in 6th grade, you will chose Beginning band.

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.

Accelerated Math 6

Grade Level: 6

Course #21602

Prerequisite: A or B in Math 5 and Teacher Recommendation

Length: Year

This course meets the 6th grade and half of 7th 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.

Zero Accelerated Math 6

Grade Level: 6

Course # 21611

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.

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.

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.

Course Descriptions - Science

Science 6

Grade Level: 6

Course # 22600

Prerequisite: None

Length: Year

This course covers Grade 6 California NGSS (Next Generation Science Standards)- integrating earth, life and physical science within each year using investigation and experimentation. Students will complete investigative projects and activities designed to reinforce the principles of inquiry. Students will be required to maintain a Science Notebook which will contain notes, class assignments, lab work homework assignments and personal reflections. Various projects will be required throughout the school year.

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.

Course Descriptions –Zero Period Classes

STEM and Design

Grade Level: 6

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 Advanced Math 6

Grade Level: 6

Course # 21611

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.

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

Course Descriptions ~ Electives

Theatre Arts/Drama 1

Grade Level: 6-7

Course # 26145

Prerequisite: *Application and teacher recommendations & [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.

Senate Leadership

Grade Level: 6

Course # 26127

Prerequisite: *Application and teacher recommendations*

Length: Year

This program is designed to give 6th 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).

Choir/Vocal Musical

Grade Level: 6-8

Course # 26101

Prerequisite: None

Length: Year

Chorale is open to 6th 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.

E-Sports & Game Design

Grade Level: 6-8

Prerequisite: None

Length: Year

Students will learn the fundamentals of online game engineering, creation, and strategy. Students will participate in team-building and problem-solving activities in preparation for participation in competitive team gaming. In addition, students will learn how games are developed, designed, and marketed.

Film 1

Grade Level: 6

Prerequisite: None

Length: Year

This course will introduce students to the fundamentals of video production including storyboarding, camera angles, editing and more. Students will work on projects that have meaning and impact within the community.

Exploratory Rotation Course Descriptions

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

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)

Intro to Art- Students will have opportunities to explore multiple mediums of art including drawing, sculpture, and design.

Intro to Computers Science- In this course, students will learn the basics of programming, use of algorithms, and debugging. As students' progress, they will build understanding in more complex programming skills such as loops, variables, conditionals, as well as begin to understand the various hardware components of computing devices. This class is self-paced and allows for students to begin at their own level and progress at their own pace. As students master the basics of programming, they will have the opportunity to design and build websites. In addition to learning programming and web design, students will experience Microsoft Excel and Microsoft PowerPoint in a variety of projects.

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, 7)

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

Learning

Integrity



Friendship

Excellence