

# Canyon Park Middle School

## KNIGHTS

### 8<sup>th</sup> Grade

*Excellence*

*Responsibility*

*Community*

*Respect*



## Course Catalog

### 2018/2019

*Canyon Park Middle School will provide a learning community that is challenging, equitable, empowering, and developmentally responsive to prepare students for high school and beyond*

## CANYON PARK ADMINISTRATION

Principal	<b>Mr. Sebastian Ziz</b>	(425) 408-6301 sziz@nsd.org
Assistant Principal	<b>Ms. Amber Pacquer</b>	(425) 408-6303 apacquer@nsd.org

## CANYON PARK COUNSELING AND GUIDANCE

Students last name A-D	<b>Ms. Lizzie Ward</b>	(425) 408-6354 eward@nsd.org
Students last name E-M	<b>Ms. Elizabeth Methot</b>	(425) 408-6313 emethot@nsd.org
Students last name N-Z	<b>Mr. Paul Narancic</b>	(425) 408-6321 pnarancic@nsd.org
School Psychologist	<b>Ms. Desiree Dutt</b>	(425) 408-6320 ddutt@nsd.org

## STUDENT DAY

Students will still have six classes each semester. A semester is half of the school year (18 weeks). We run our classes on a “block schedule,” where students will only go to three long periods every other day on full-length days. On early release days, students will attend all six classes. On full-length days, students will also have a Round Table period at the beginning of the day for doing homework and other school activities. Listed below are the requirements for students in grades 6-8 attending middle schools in the Northshore School District.

### Grade 6

2 Sem English  
2 Sem History  
2 Sem Science  
2 Sem Math  
1 Sem Health/Fitness  
3 Sem Elective Wheel

### Grade 7 and 8

2 Sem English  
2 Sem History  
2 Sem Science  
2 Sem Math  
1 Sem Health/Fitness  
3 Sem Electives

### Block Schedule

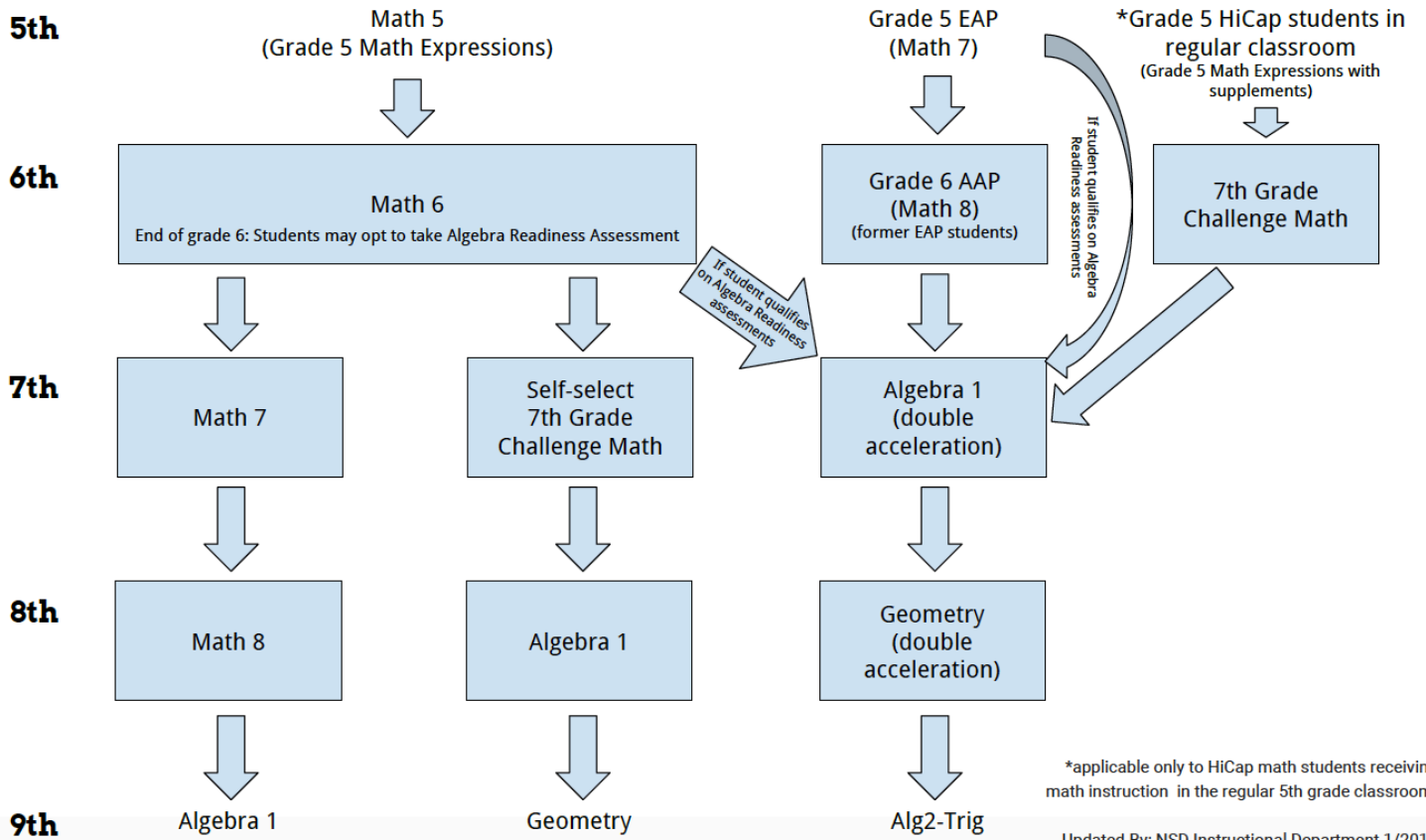
<u>Mon/Thurs</u>	<u>Tues/Fri</u>
Round-Table	Round-Table
1 <sup>st</sup> Period	4 <sup>th</sup> Period
2 <sup>nd</sup> Period	5 <sup>th</sup> Period
Lunch	Lunch
3 <sup>rd</sup> Period	6 <sup>th</sup> Period

## REGISTRATION TIPS

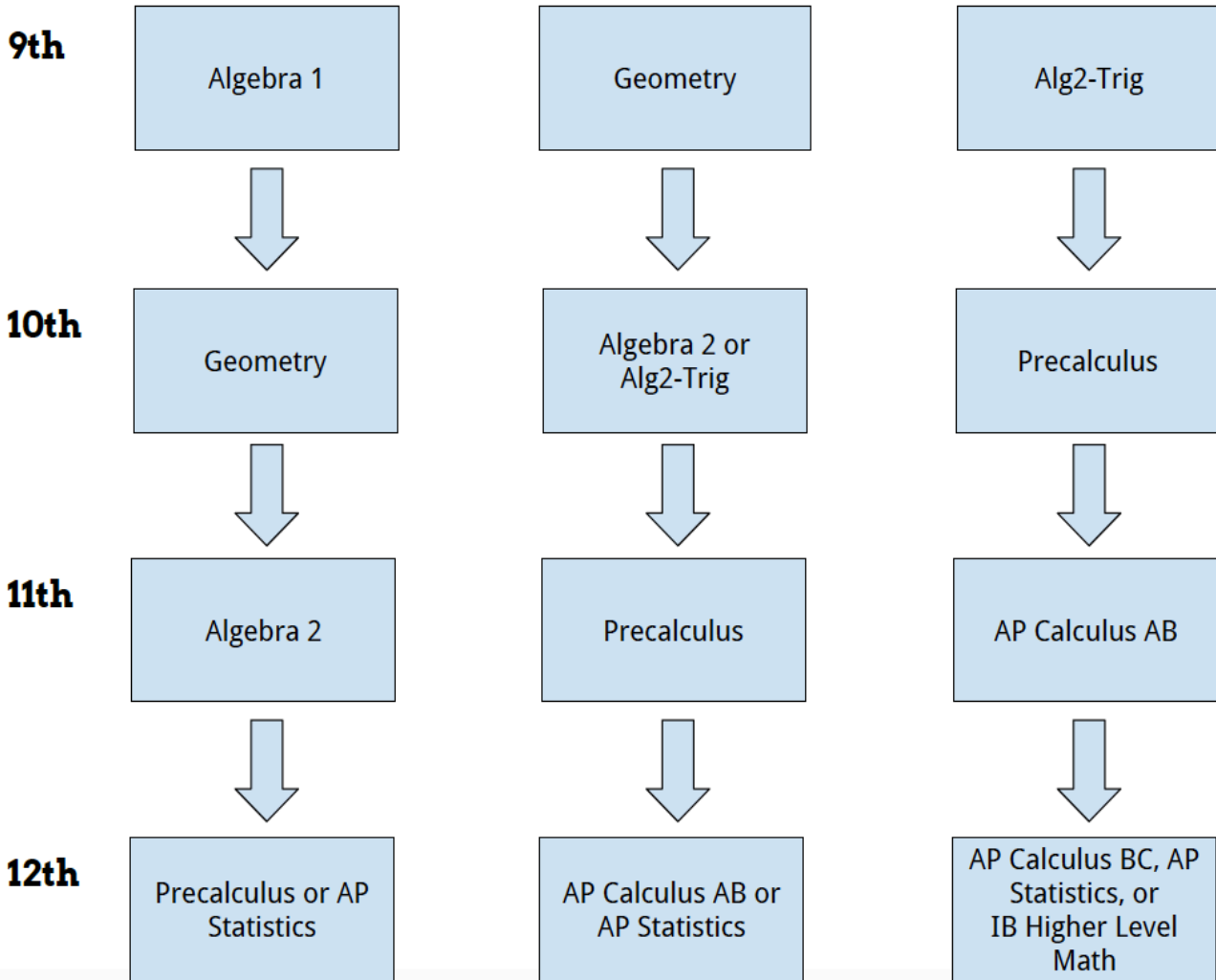
Availability of your choices depends on how many students choose each class and if your choices fit together in the schedule. Selecting alternate choices is very important. Students who do not chose alternates will have alternates chosen for them.

**Registration choices are year-long commitments.** Only extenuating circumstances will be considered for switching classes, even at semester. Expect to keep your schedule as is.

## Middle School Mathematics



## High School Mathematics



## REQUIRED COURSES

### **8th Grade English/Language Arts**

This course addresses the Common Core State English/Language Arts (E/LA) Standards, prepares students for the Smarter Balanced State Assessments, and establishes the skills necessary for a successful progression of learning to the next grade level of E/LA course work.

The junior high E/LA curriculum develops reading, composition, and speaking skills. Eight grade course materials center on the theme of **Challenge**. Using Advanced Placement (AP) strategies, students are taught to analyze complex fiction and nonfiction from a variety of genres, including longer literary studies of a novel and a Shakespearean play. The curriculum includes composition skills responding to AP style writing prompts. Students actively participate in test-based class discussions and study vocabulary to enhance their writing, reading, and speaking skills. Each unit culminates in two comprehensive Embedded Assessments.

### **U.S. HISTORY 8**

Eighth grade US History is a yearlong course covering the history of the United States from pre-exploration to 1877. Major units of study include: Colonial Era, Revolution, Constitution and the early nation, the Westward Movement, the Civil War, and Reconstruction. Historical topics are explored through the use of primary documents, scholarly readings, experiential exercises and simulations while fostering citizenship and democratic ideals.

Eighth graders will complete the eighth grade social studies Classroom Based Assessment (CBA) in the spring. This course addresses the Common Core State Standards for History, prepares the students for the Smarter Balanced State Assessments, and establishes the skills necessary for a successful progression of learning to the next grade level of Social Studies course work.

### **EARTH SCIENCE 8**

Earth Science is a laboratory course that focuses student learning on the processes, systems, and natural forces that are constantly forming, shaping, and changing Earth, its oceans and atmosphere, and the universe. Students will engage in hands-on

activities using technology and “Science and Engineering Practices” from the NGSS standards to describe energy transfers such as heat and waves (sound, water, earthquakes, and light), and examine physical and chemical changes of water, rocks, and gases in Earth’s processes. Topics of investigation include: astronomy, oceanography, plate tectonics, geology, meteorology (weather), and environmental issues as they pertain to our changing Earth.

### **8th Grade Math: Math 8**

Equipment: A basic calculator is required.

This course aligns to the Grade 8 Common Core State Standards for Mathematics and prepares students for the Smarter Balanced state math assessments and Algebra 1. The course builds upon the previous year’s work of solving two-step linear equations and moves to solving a variety of linear equations. Students will then begin solving systems of linear equations. Students will investigate patterns of association in bivariate data. Other topics that will be covered are linear functions, angle and line relationships in geometry, transformations, Pythagorean theorem, functions, an introduction to the laws of exponents, and working with scientific notation. Students will continue to develop problem solving, reasoning and proof, communication, and mathematical modeling skills aligned to the Standards for Mathematical Practice.

### **HEALTH AND FITNESS 8** (semester course)

Health and Fitness will emphasize health-related fitness, sports’ skills and lifetime activities. Students will participate in a variety of team and individual sports/activities. This grade level includes a fitness awareness program and a weekly fitness run or fitness related activity. Through participation in this course students will continue to satisfy the district and state Health and Fitness. The health portion of this class will include: substance abuse, refusal skills, and human growth and development (including HIV/AIDS). Activities may include: Badminton, basketball, conditioning, volleyball, softball, soccer, organized games, dance, disc sports, fitness, and Lacrosse.

## CHALLENGE OPTIONS

Students may register for these challenge courses through the informed self-select process.

### CHALLENGE 8th GRADE ENGLISH/LANGUAGE ARTS

Prior enrollment in Challenge E/LA 7 is not a prerequisite.

Fee: Optional Vocabulary Workbook--\$17

In addition to the 8<sup>th</sup> Grade English/Language Arts course description above, students taking this course must exhibit strong writing skills, have excellent reading comprehension, and be self-motivated in completing class work. The Challenge 8<sup>th</sup> Grade E/LA class may move at a faster pace and include additional novels to be read independently by the student.

*Note: Students who enroll by choice in an advanced E/LA class do so with the understanding that novels will be more sophisticated and will be read at a higher level of maturity than novels in the general education English/Language Arts course.*

### 8<sup>th</sup> GRADE CHALLENGE U.S HISTORY

Prior enrollment in Challenge Social Studies 7 is not a prerequisite.

In addition to the 8<sup>th</sup> grade U.S. History description above, the Challenge U.S. History course requires participation in at least one major performance based project that requires outside research and work time. As a result, this course may move at a faster pace. Eighth graders also complete the eighth grade Social Studies Classroom Based Assessment (CBA) in the spring.

This course requires a high-level of reading, writing, listening, discussing and critical thinking skills. Students must have strengths in these skills and be self-motivated to meet the high expectations of this class.

### 8<sup>th</sup> GRADE: ALGEBRA 1

*Required: Completion of Holt Course 3 OR 7<sup>th</sup> Grade Challenge Math OR Completion of an 8<sup>th</sup> Grade Accelerated Summer Math Course. Students considering this option should contact their school counselor.*

*Recommended: "B" or better in 7<sup>th</sup> Grade Challenge Math or 8<sup>th</sup> Grade Accelerated Math*

*Equipment: A scientific calculator is required. The Texas Instrument TI-83 or TI-84 family of graphing calculators is strongly recommended.*

This course expands on the students understanding of using arithmetic operations and properties to include the symbolic language of algebra. Students will formalize their understanding of functions with a focus on linear functions, exponential functions and quadratic functions. Other topics that will be studied are writing equations to model linear equations, solving systems of linear equations and inequalities, solving quadratic equations with real roots, exponent laws and properties, arithmetic and geometric sequences, patterns of association in bivariate data, and the Pythagorean Theorem. Students will continue to develop problem solving, reasoning and proof, communication, and mathematical modeling skills aligned to the Standards for Mathematical Practice.

### CHALLENGE EARTH SCIENCE 8

Prior enrollment in Challenge Life Science 7 is not a prerequisite.

In addition to the Earth Science Grade 8 course description above, students taking this course must exhibit strong mathematical, verbal, and writing ability, and be self-motivated in completing class work. The Challenge Earth Science Grade 8 class may move at a faster pace and level of complexity, and include work to be completed independently by the student.

## AAP OPTIONS

**\*\*Students must qualify for placement by participating in the EAP program in elementary school or through a highly capable application and testing process, which is initiated in the fall at the District. This is not a self-select course: students will be individually scheduled for this course.**

### **AAP 8th GRADE ENGLISH/LANGUAGE ARTS**

This course builds upon previous learning of the Common Core State English/Language Arts (E/LA) Standards, prepares students for the Smarter Balanced State Assessments, and establishes the skills necessary for a successful progression of learning for advanced level E/LA course work.

The 8th grade E/LA curriculum extends the development of reading, composition, and speaking skills. Eighth grade Springboard materials center on the theme of **Challenge**. Using Advanced Placement (AP) strategies, students are taught to analyze complex fiction and nonfiction from a variety of genres, including longer literary studies of novels and a Shakespearean play, and includes a selection of novels students can choose for independent reading. The curriculum includes composition skills responding to AP style writing prompts. Students actively participate in text-based class discussions and study vocabulary to enhance their writing, reading, and speaking skills. Each unit culminates in two comprehensive Embedded Assessments. Students who enroll by choice in an advanced E/LA class do so with the understanding that novels will be more sophisticated and will be read at a higher level of maturity than novels in the general education English/Language Arts course.

### **AAP 8th GRADE U.S HISTORY**

This course requires participation in at least one major performance based project that will require outside research and work time. This course requires high-level reading, writing, and listening, discussing and critical thinking skills. Students must be self-motivated to meet the high expectations of this class. One classroom-based assessment will be administered in the spring. Northshore School District social studies courses incorporate Common Core State Standards in writing and reading for history. The current performance based project is National History Day ("NHD"). NHD is a rigorous and challenging research project that requires of students a minimum of 50 hours independent work outside of the classroom. Historical topics are explored through multiple textbooks and supplementary readings, including speeches, short stories and documents. The frequent use of great documents and speeches fosters

citizenship and democratic ideals. Students complete the eighth grade Social Studies Classroom Based Assessment (CBA) in the spring.

### **AAP EARTH SCIENCE 8**

This course is intended for students who demonstrate an outstanding aptitude and interest in science, and exhibit strong mathematical, verbal and writing ability. Students will be expected to read complex texts, and must be self-motivated and committed to investing time outside of the classroom studies. Earth Science is a laboratory course that focuses student learning on the processes, systems, and natural forces that are constantly forming, shaping, and changing Earth, its oceans and atmosphere, and the universe. Students will engage in hands-on activities using technology and "Science and Engineering Practices" from the Next Generation Science Standards to investigate the atomic theory of matter, describe energy transfers such as heat and waves (sound, water, earthquakes, and light), and examine physical and chemical changes of water, rocks, and gases in Earth's processes. Topics of investigation include: astronomy, oceanography, plate tectonics, geology, meteorology (weather), and environmental issues as they pertain to our changing Earth. This class may include a project to be completed independently by the student.

### **Geometry**

*Prerequisite: Algebra 1*

*Recommendation: "B" or better in Algebra 1*

*Equipment: A scientific calculator is required. The Texas Instrument TI-83 or TI-84 family of graphing calculators is strongly recommended.*

This course is the second math course in the high school math sequence, following Algebra 1, and addresses the Common Core State Standards for high school mathematics. Students will formalize their reasoning skills to write proofs built on definitions, axioms, and theorems. Students will study parallel and perpendicular lines, triangle properties, quadrilateral properties, and properties of other polygons and circles. Other topics that will be studied are similar and congruent figures, right triangle trigonometry, coordinate geometry, geometric transformations, area, surface area and volume of three-dimensional figures. Students will continue to develop problem solving, reasoning and proof, communication, and mathematical modeling skills aligned to the Standards for Mathematical Practice.



## ELECTIVE COURSES

**\*\*\*Please do not let elective course fees get in the way of choosing the class you want.  
If your family needs assistance, please speak with your counselor.\*\*\***

### **CHOIR (full year)**

This year-long course is an advanced select chamber ensemble with extra community performance opportunities, trips, and concerts. Students are given opportunity to explore various music styles and genres. Students will learn A'Capella singing, close harmony, working together as a team, leadership skills, and confidence. The Advanced Choir has 4-5 required evening concerts, school assemblies, field trips, solo performances, small group performances, and community outreach.

### **BAND (full year)**

For students desiring to play a band instrument (woodwind, brass, or percussion). Students will build upon knowledge of musical concepts, vocabulary, skills and techniques as it relates to their specific instrument and their role within the large performing ensemble.

- No experience required for beginning students; students with less experience may be offered occasional tutoring
- School assembly performances
- Participate in the Solo/Ensemble festival
- Three or more evening performances
- Includes leadership components
- Combined concerts with BHS and other schools
- Annual field trips and fun festival participation

### **ORCHESTRA (full year)**

For students desiring to play a string instrument (violin, viola, cello, or string bass). Students will build upon knowledge of musical concepts, vocabulary, skills and techniques as it relates to their specific instrument and their role within the large performing ensemble.

- No experience is required for beginning students; students with less experience may be offered occasional tutoring
- School assembly performances
- Participate in the Solo/Ensemble festival
- Three or more evening performances
- Includes leadership components
- Combined concerts with BHS and other schools
- Annual field trips and fun festival participation

### **BEGINNING DRAMA (semester)**

- Develop confidence and stage presence
- Have fun learning to develop character
- Work with literature and improvisation
- Learn oral presentation skills that you can use in other classes
- Audition/memorize parts
- Teamwork to produce and present dramatic productions for an audience

### **ADVANCED DRAMA (full year)**

- In this class we will do three full-scale productions, including a musical.
- Students will participate in school assemblies
- All aspects of theater are covered, including lighting, scenery, and costume design.
- Learn to improve your acting skills, develop character; participate in improve activities.

## **ELECTIVE COURSES**

### **SPANISH 100 (full year) (signature required) \$20 course fee**

Students are introduced to the basic vocabulary and structure of the language. Due to the challenging nature and workload of high school World Language courses, this class is recommended for students earning a B or better in their current English class.

- Learn the basics of listening, speaking, reading, and writing.
- Explore many cultures of the various regions where Spanish is spoken.
- Play games, sing songs, and simulate real-world situations to build your language skills.
- Spanish 100 is the only language taught at CPMS.
- **Note: Spanish 100 is not for native speakers or students with previous speaking experience. Students with previous speaking experience should talk to Mrs. Rittaler, the CPMS Spanish teacher, in Room 133.**

### **INTRODUCTION TO VISUAL ARTS 7/8 (semester) \$15 Course Fee**

Students will explore different art techniques and mediums. This introductory class is a good starting point for all students. The class focuses on the elements of art and may include projects with such varied medium as pencils, pen and ink, paint, ceramics, colored pencils and oil pastels. We will also develop skills to know how to look at art with the eye of an artist.

### **ART 7/8 (semester) \$15 Course Fee**

It is recommended that students take Intro to Visual Arts before taking this class. Learn how artists use the elements of arts to create works of art that are interesting and meaningful. We will create both 2D and 3D works. Medium may include pencils, paints, printing, computer aided art, ceramics, pen and ink, and oil pastels. We will also improve the skills needed to understand art. Art 7/8 may be taken multiple times, as the projects are different each semester.

### **VIDEO PRODUCTION (semester)**

- Work on school podcasts, sports, music, drama, and concert videos
- Use the latest video and audio capture tools in a state-of-the-art video studio
- Open to all 8<sup>th</sup> grade students, first or second semester or all year
- May be taken more than one semester

### **VIDEO PRODUCTION (full year)**

- Offering students a chance to gain experience in production media techniques online, along with all phases of digital photography and videography
- Produce the Weekly Online Video Bulletin from Studio 118
- Produce and edit special announcement videos
- Publish the CPMS Yearbook
- Manage all advertising and marketing of the Yearbook

### **ASSISTANTSHIPS (semester)**

Students will receive pass (P) or fail (F) grades in assistantship courses. Students must be “hired” for positions. Students in these positions must demonstrate confidentiality, reliability, and good independent work ethic. Please see your counselor if you are interested in an assistant position.

- Library Assistant
- Office Assistant
- Teacher Assistant

## **ELECTIVE COURSES**

### **EXPLORING TECHNOLOGY I** (Semester) \$10 Course Fee

Students will be engaged in STEM (Science, Technology, Engineering and Design) projects. This is a hands-on class that will teach product design while using a variety of tools and power equipment. Projects will include computer-aided design (CAD), computer controlled manufacturing (CNC), structures and mechanisms. Students will gain an understanding of safe shop practices while learning the design process.

### **EXPLORING TECHNOLOGY II** (Semester) \$10 Course Fee

**Exploring Technology I is a prerequisite for this class.** Students will be engaged in STEM (Science, Technology, Engineering and Design) projects while continuing to learn the design process. Projects will be hands on and constructed using a variety of materials that could include wood, metal or plastic. Units of study include energy & power, structures, CNC manufacturing and 3D modeling. Students will learn and demonstrate safe production practices through the use of tools and power equipment.

### **ROBOTICS FOUNDATIONS** (semester) \$5 Course Fee

- Students will build and program a LEGO Mindstorm EV3 Robot to simulate real-world robots
- Learn how to use light, sound, touch, and ultrasonic sensors to control the robots movements
- Flowchart the robots desired movements to aid in programming and robot design
- Learn and follow the engineering process to develop innovative robotic solutions.
- Maintain a portfolio of work for reference

### **FOUNDATIONS OF COMPUTER AIDED DRAFTING/DESIGN** (semester)

- Students will learn Rhinoceros 5.0, a computer aided drafting/design program
- Develop 2D and 3D basic computer drafting skills
- Develop problem-solving skills while learning about current technology
- Students may interface 2D and 3D designs with 3D printers, laser cutter, and CNC vinyl cutter

### **LEADERSHIP** (semester)

The characteristics of a successful leader can be identified and learned. The old saying that “leaders are born and not made” does not hold true. You are born with gifts and talents, however, your character is built everyday. This course is designed to give you the opportunity to learn the ways in which to become a successful leader in CPJH, future careers, and your community. You will learn methods and techniques for planning and implementing school improvements in addition to building yourself as a leader.

- You will represent student voice and contribute to positive school changes.
- You will engage in discussions and activities to prepare you for leadership in college and the career world.
- You will have opportunities to design, develop, and implement service-learning school projects and events all around campus.

### **ADVANCED LEADERSHIP** (semester)

Now that you have learned the basics of student leadership, put those skills to the test. You will have the opportunity to design, develop, and implement even more impactful school projects and events. Advanced Leadership is open only to students who have taken Leadership (see class above). If you select Advanced Leadership, make sure you sign up for Leadership, too.

## ELECTIVE COURSES

### **FITNESS GAMES (semester)**

Be ready to move and play! There is an emphasis on activity through various games such as:

- Capture the flag-type games
- Team handball
- Tag games

A combination of team games, partner/small group, and individual activities are included. (Square dancing may be included first semester only.)

### **TEAM SPORTS - BEGINNING (semester)**

This course will include an introduction to various sports with emphasis on skills, strategy, and game play for the beginning to intermediate level player. Activities may include, but are not limited to:

- Flag football
- Softball
- Volleyball
- Badminton
- Pickleball
- Soccer
- Ultimate Frisbee
- Basketball
- Lacrosse
- Square Dancing (first semester only)
- Team Handball

### **TEAM SPORTS - ADVANCED (semester)**

This course will include exposure to various sports with emphasis on higher-level skills, strategy, and game play for the experienced player. Activities may include, but are not limited to:

- Flag football
- Softball
- Volleyball
- Badminton
- Pickleball
- Soccer
- Ultimate Frisbee
- Basketball
- Lacrosse
- Square Dancing (first semester only)
- Team Handball

### **YOGA/PILATES - BEGINNING (semester)**

- Participate in specific yoga/Pilates exercises, breathing techniques, and poses designed to build strength and increase flexibility.
- Develop a practical understanding of how to use yoga/Pilates to maximize your flexibility and strength, while protecting your body throughout life.
- Square dancing may be included (first semester only)

### **YOGA/PILATES - ADVANCED (semester)**

- Students expand on current knowledge of specific yoga/Pilates exercises, breathing techniques, and poses
- Students will increase their strength and flexibility through basic and advanced postures.
- Students must take Beginning Yoga/Pilates before taking this course.