

## ROSA'S COURSE DESCRIPTIONS

### 1st Semester 2015-2016

#### PERIOD 1

##### **BEGINNING YOGA**

**Grade Level:** 7-12

**Course Length:** Semester

**Credit Count:** .5 Physical Education

Students learn the modern approach for applying some of the ancient techniques of yoga to enhance wellness and well-being. Students will be introduced to yoga through physical postures (asana), breathing techniques (pranayama), and meditation techniques (dhyana).

#### PERIOD 2 & 5

##### **SPANISH I**

**Grade Level:** 7-10

**Course Length:** Year

**Credit Count:** 1 World Language / Elective

¡Bienvenidos a todos! A fun introduction to the Spanish language and Spanish/Latin culture. You will have lots of fun learning to speak about yourself, your needs and what you like to do in a new language. Communication will be our emphasis.

#### PERIOD 3 & 4

##### **SPANISH II**

**Grade Level:** 8-11

**Course Length:** Year

**Credit Count:** 1 World Language / Elective

¡Bienvenido a tu segundo año de español! Vamos a hablar y leer mucho. También, vamos a estudiar el pasado. This year we will talk about family, friends and vacations. We will read a short novel and perform skits and oral presentations.

**STUDENT AIDES NEEDED: 2<sup>nd</sup>, 3<sup>rd</sup>, 4<sup>th</sup>, and 5<sup>th</sup> periods (Spanish Students Preferred). Please see Rosa**



## ASHLEY'S COURSE DESCRIPTIONS

### 1<sup>st</sup> Semester 2015-2016

#### PERIOD 1

##### SPANISH IV+

**Grade Level:** 10-12

**Prerequisite:** Spanish III or approval from teacher

**Course Length:** Year

**Credit Count:** 1 Elective credit

Leeremos cuentos hispanos y los eventos actuales. Estudiaremos la gramática avanzada. Todos van a dar presentaciones orales. This semester we will focus on developing interpretive and interpersonal language skills.

#### PERIOD 2

##### INTERMEDIATE COMPOSITION

**Grade Level:** 9-10

**Course Length:** Semester

**Credit Count:** .50 Intermediate Composition

Students will practice writing for different purposes with a focus on reviewing and improving the expository and persuasive essay and personal essay. Students will also become familiar with citing sources using a standard method of documentation. Understanding writing as a *process* will be a major focus; students will gain a working knowledge of the steps in this process, from pre-writing to final drafts. Special emphasis will be placed on revision as well as building grammar and vocabulary skills.

#### PERIOD 3

##### SPANISH III

**Grade Level:** 9-12

**Prerequisite:** Spanish II or approval from teacher

**Course Length:** Year

**Credit Count:** 1 Elective credit (upon completion of second semester students receive .5 social studies elective credit)

Continuaremos hablar, leer y escribir el español. Mucha participación oral con presentaciones orales, música, composiciones y una novela. We will be studying grammar through reading of a short novel, short stories and current events.

***STUDENT AIDES NEEDED: 1<sup>st</sup> (Spanish Student Preferred), 2<sup>nd</sup> and 3<sup>rd</sup> periods – Please see Ashley***



## DANIELLE'S COURSE DESCRIPTIONS

### 1st Semester 2015-2016

#### PERIOD 4

##### LITERATURE OF WAR

**Grade Level:** 9 - 12

**Course Length:** Semester

**Credit Count:** .50 World Literature

This course's texts focus on the theme of war and the experiences of those who encounter war, including soldiers, eye-witnesses and journalists. Course study will examine the impacts of war on individuals and communities and will highlight authors' different approaches to the topic. Students will analyze classic and contemporary works in a variety of genres, including short stories and poetry, as well as art and film. Major literary works for this semester include *All Quiet on the Western Front* and *Hiroshima*. In addition to studying the tone, style and literary elements of the works, students will also study author backgrounds and historical contexts. Coursework will include extensive reading, discussion, creative and analytical writing and projects.

#### PERIOD 5 & 6

##### 8<sup>th</sup> GRADE SEMINAR

**Grade Level:** 8

**Course Length:** Semester

**Credit Count:** .50 Language Arts Seminar and .50 Social Studies Seminar

This class is Steller's introduction to Socratic Seminar. The course's reading will cover historical literature, some fiction and philosophy. All of the reading will be done in class. Homework consists of writing responses to what we read in class. Students will learn and practice essay writing in addition to developing their group discussion and critical thinking skills. Acquiring new vocabulary from the readings will also be emphasized.



## JEAN'S COURSE DESCRIPTIONS

### 1st Semester 2015-2016

#### PERIOD 1

##### ART STUDIO

**Grade Level:** 7 - 12

**Course Length:** Semester

**Class Fee:** \$15.00

**Credit Count:** .50 Elective

Students will use new materials and techniques to refine art-making skills. Develop a personal style and attain a high level of quality and craftsmanship in drawing, painting, printmaking, sculpture, ceramics and crafts.

Interpret and express feelings and ideas related to the concept of relationships in innovative ways. Study artists from different times and diverse cultures.

Learn to critique personal artworks and the works of others.

#### PERIOD 3

##### 3-D ART EXPLORATION

**Grade Level:** 9 - 12

**Course Length:** Semester

**Class Fee:** \$15.00

**Credit Count:** .50 Elective

Students will Work in the third-dimension by creating sculptures, ceramic objects, models and installations that express ideas about personal experiences and observations of the world through the concept of boundaries.

Learn to use a variety of art media, non-traditional materials, tools and equipment to compose, construct, and form functional and decorative artworks.

Investigate three-dimensional artworks produced by other artists.

## PERIOD 4

### ART FUNDAMENTALS

**Grade Level:** 7 - 8

**Course Length:** Semester

**Class Fee:** \$15.00

**Credit Count:** .50 Elective

Students will explore a variety of art materials, develop art techniques, and use creative thinking skills to express ideas and viewpoints.

Produce meaningful and unique drawings, paintings, prints and sculpture.

Study artists and their works to gain understanding of the artistic process and learn about art produced at different times and in diverse cultures

## PERIOD 5

### HEALTH

**Grade Level:** 8

**Course Length:** Semester

**Credit Count:** .50 Elective

This class will cover wellness, mental health, disease prevention, consumer health, substance abuse and sexual education. During the semester, students will study these topics, so that they can make healthy choices throughout their lives.

## PERIOD 6

### PASSAGES

**Grade Level:** 9 - 12

**Course Length:** Semester

**Class Fee:** \$15.00

**Credit Count:** .50 Elective

This repeatable semester general elective credit course provides enrichment activities for high school students who are interested in expanding their understanding of an area of personal academic interest. This class is open to 9th-12th graders and will emphasize the application of academic knowledge and the development of sound student traits. The course is designed to help develop the academic foundations necessary to be successful in school and help students to transition from high school to college and gainful employment.



## **BOB'S COURSE DESCRIPTIONS**

### **1<sup>st</sup> Semester, 2015-16**

#### **PERIOD 1**

##### **LANGUAGE ARTS – SPECIAL TOPICS**

**Grade Level:** 7 - 8

**Course Length:** Semester

**Credit Count:** .50 English Elective

This class is designed to cover the basics of studying the material found in Language Arts. The end goal is to teach skills and tools so that students can research, learn, and complete work in the Language Arts independently. We will look at the different methods of note taking, study the different genres of literature, and cover the most common assessment activities within Language Arts. The semester will culminate with a month-long project that incorporates all of their practice, plus focus on goal setting and time management.

#### **PERIOD 2**

##### **ENGLISH - INDEPENDENT STUDY (IS) / SELF DIRECTED LEARNING (SDL)**

**Grade Level:** 9 - 12

**Course Length:** Semester

**Credit Count:** Varies; Dependent upon contract goals

Pirates in the era of Romanticism; Ninjas and the Medieval European Hero Ballad; Did you every want to take an English class Steller has NEVER offered? Then this is the class for you! In this Self-Directed Learning environment you, yes YOU, will develop your curriculum (with guidance from our able-bodied staff), set goals and assignments, and decide on an assessment method that fits with your subject.

Other core-subject-area SDLs / ISs will be taken if there is room for enrollment.

## PERIOD 3

### ESSAY COMPOSITION

**Grade Level:** 7 - 8

**Course Length:** Semester

**Credit Count:** .50 Writing

Essay Composition is Steller's introductory writing course. We will focus on the building blocks of writing: plagiarism, sentence structure, grammar and mechanics, paragraph construction, as well as Narrative and Descriptive essays. We will be using a number of different activities to help writers of all levels advance their skills. An emphasis on writing as a process will be used throughout the course.

## PERIOD 4

### PUBLIC SPEAKING

**Grade Level:** 9 - 12

**Course Length:** Semester

**Credit Count:** .50 Speech / English Elective

This course teaches the methods and skills needed to speak well in front of a large audience. Focus is on enunciation, voice projection, organization, posture, and eye contact. Students research many subjects in order to write their own speeches. Practice time with peers allows for an enriching environment to prepare for the public speaking events that are the culmination of their projects.

## PERIOD 6

### ROMANTICISM

**Grade Level:** 9 - 12

**Course Length:** Semester

**Credit Count:** .50 World Literature, Literature Elective or English Elective

This course explores the philosophy that idealizes the individual and nature, presenting them in a picturesque, imaginative, and frequently adventurous manner. Readings will include literature promoting social, moral, and political change. Students will study the later growth of English Romanticism in the 19th century and will trace it as a vigorous tradition in modern literature. Students will read poetry and prose and the course will require extensive reading, writing and discussion.



## BECKY'S COURSE DESCRIPTIONS

### 1<sup>ST</sup> Semester 2015-2016

#### PERIOD 1

##### ALASKA STUDIES

**Grade Level:** 9 - 12

**Course Length:** Semester

**Credit Count:** .50 Alaska Studies

Native peoples, geography, historic influences, economic concerns, fishing and hunting rights, outdoor experiences, and the future of Anchorage will be included in the wide array of topics in Alaska Studies. Students will develop projects, research, construct maps, and create plans for the future.

#### PERIOD 3

##### HUMAN RIGHTS & CULTURES

**Grade Level:** 9 - 12

**Course Length:** Year

**Credit Count:** 1 American Literature / English Elective

Study of the UN Declaration of Human Rights and the Bill of Rights will initiate the conversation about human rights and culture. Students will read fiction and nonfiction works to expand the discussion. Classwork will include reading, writing, speaking, listening, researching, projects and community involvement. The use and impact of language will be considered throughout the course.

#### PERIOD 4 & 6

##### MYTHOLOGY

**Grade Level:** 7 - 8

**Course Length:** Semester

**Credit Count:** .50 English Literature

Greek and Roman mythology will be read and discussed one quarter, followed by world mythology and religions the next quarter. Students will explore the world through its various beliefs with a variety of projects, discussion, written responses, and seminars.



## PERIOD 5

### ADVANCED COMPOSITION

**Grade Level:** 11 - 12

**Course Length:** Semester

**Credit Count:** .50 Advanced Composition

Literary analysis, document-based questions, TED talks, recipes, graphic novels, expository writing, persuasive writing, debate, and seminar will be incorporated into this college-preparatory English class. A variety of reading selections and activities, including community involvement, will be necessary to generate all these words.



## **KEN'S COURSE DESCRIPTIONS**

### **1st Semester 2015-2016**

#### **PERIOD 1 & 3**

##### **UNITED STATES HISTORY**

**Grade Level:** 10 - 12

**Course Length:** Year

**Credit Count:** 1 United States History

This year-long study of US History will begin with the French and Indian War and bring us to the present. While the potential class content is huge, we'll look at topics that are of particular interest to the class and spend more time on them where appropriate. Course work will include group work, cooperative group work, some lecture, and various other activities. Tests will be essay and some map work.

#### **PERIOD 4**

##### **DIGITAL MEDIA**

**Grade Level:** 7 - 12

**Course Length:** Semester

**Credit Count:** .50 Elective

This semester-long class will divide into one quarter of digital photography and a quarter of video production. While we will learn about the capabilities of various types of equipment, the focus of this class will be about how to take better photographs and video. In other words, it is about the person behind the equipment-YOU. Students will be required to have their own digital cameras, preferably with some degree of manual control. You may use your own camcorders as well, with preference to types that accept external microphones and have headphone jacks. Grading will be based on individual/team projects/presentations and quizzes and tests.

#### **PERIOD 5**

##### **PASSAGES**

**Grade Level:** 9 - 12

**Course Length:** Semester

**Credit Count:** .50 Elective

This semester-long class is a unique Steller graduation requirement, which allows students to expand their understanding of an area of personal interest. This class will allow students to pursue personal passions and interests, while teaching good research, writing, and speaking skills that they can use throughout their education. Students will write course proposals in any of the following areas: adventure, career exploration, creativity, community involvement, logical inquiry, or practical skills.

## PERIOD 6

### GOVERNMENT

**Grade Level:** 11 - 12

**Course Length:** Semester

**Credit Count:** .50 United State Government

This semester-long class will focus on the origins of government, the US Constitution, the structure of the Federal Government, participation and policy, civil rights, and foreign policy. Grades will be determined by participation, tests, and projects.



## LEIGH ANNE'S COURSE DESCRIPTIONS

### 1st Semester 2015-2016

#### PERIOD 1

##### **SOCIAL ISSUES SEMINAR**

**Grade Level:** 9 - 12

**Course Length:** Semester

**Credit Count:** .50 English Elective/Literature Elective/American Literature or .50 Social Studies Elective

The goal of this class is to create an environment where students can respectfully and intellectually discuss topics that are important to them and society. Students will be given a chance to set the agenda of this class by brainstorming topics that concern or interest them, such as the economic problems our country faces, racism in the United States, growing extremism within our country, etc. Then we will read and discuss pieces on these topics using the Socratic Method including coaching, prewrites, seminar, and post-writes. Pieces can be written, visual, or other mediums. This is a Seminar class!! That of course means that everyone will be expected to participate.

#### PERIOD 2 & 6

##### **WORLD HISTORY**

**Grade Level:** 9 - 12

**Course Length:** Year

**Credit Count:** 1 World History

This course will focus on the world's history from the beginning of the universe to now and the future. We will be using some curriculum from Big History Project, supplemented with other lessons. First semester will focus on life on earth, early humans and civilizations. Geography, humanities, religions, government, economy, society, science, and technology are some of the themes/perspectives by which these areas of the world will be explored. Students will explore these topics through a variety of methods and material including primary documents, essays, and projects.

## PERIOD 4

### **PROJECT-BASED SOCIAL STUDIES SPECIAL TOPICS**

**Grade Level:** 7 - 8

**Course Length:** Semester

**Credit Count:** .50 Social Studies

This class will cover a variety of social studies topics through project-based learning. Projects will include both individual explorations and group projects. Possible projects include researching and debating a current issue happening in our world; looking at the change that one person can bring about by being a history maker; a personal finance simulation. The number and types of projects will depend on student interest, but students will have opportunities to explore their personal passions in the field of social studies and will be given a variety of choices for how to present their findings. Through out all projects, students will work on research skills, time management, and inquiry.

## PERIOD 5

### **ALASKA STUDIES**

**Grade Level:** 9 - 12

**Course Length:** Semester

**Credit Count:** .50 Alaska Studies

This class offers an in-depth look at Alaska. Topics covered include Anchorage and its history; Alaska native culture and history; the history of Alaska since European contact; modern economic and political issues. The goal of the class is to create education voters and community members. Students work individually, in groups, and as a class to explore these issues through projects, primary source readings, movies, simulations, and more.



## SVETLANA'S COURSE DESCRIPTIONS

### 1<sup>st</sup> Semester 2015-16

#### PERIOD 2, 3, & 5

##### ANCIENT CIVILIZATION

**Grade Level:** 7 - 8

**Course Length:** Semester

**Class Fee:** \$5.00

**Credit Count:** .50 Social Studies

This course provides an overview of the major civilizations of the ancient world. Students gain knowledge about the evolvement of ancient societies from primitive agricultural communities to advanced civilizations. This course shows the relevance of ancient civilizations in today's world and triggers critical thinking by considering why civilizations developed where and when they did, why they became dominant, and why they declined. From rise to the fall of the greatest communities and their influence of world cultures, student experience interactive, relevant and comprehensive way to learn about the history that's shaped the world as its seen today.

#### PERIOD 4

##### YEAR BOOK

**Grade Level:** 8 - 12

**Course Length:** Semester

**Credit Count:** .50 Elective

The Yearbook course offers students total involvement in the production of the school yearbook. Activities include advertising, layout planning, photography, copy writing, and proofing. Students deepen their understanding of advertising.



## PHILIP'S COURSE DESCRIPTIONS

### 1st Semester 2015-2016

#### PERIOD 2

##### ADVANCED HUMAN ANATOMY AND PHYSIOLOGY

**Grade Level:** 10 - 12

**Course Length:** Year

**Prerequisites:** Biology

**Credit Count:** 1 Life Sciences

This year long course is the study of the structure and function of the various portions of human anatomy and their corresponding physiologies. This course is recommended for those students who are interested in medical/health related careers.

#### PERIOD 3, 4, & 5

##### BIOLOGY

**Grade Level:** 9 - 12

**Course Length:** Year

**Credit Count:** 1 Life Sciences

This course is designed to study life starting from the microscopic and moving into the macroscopic world. The class will emphasis using the scientific method for research, and content areas will include, but not be limited to: chemistry of life, cell structure, genetics, evolution, animal behavior, botany, and ecology.

#### PERIOD 6

##### HUMAN ANATOMY - MIDDLE SCHOOL

**Grade Level:** 7 - 8

**Course Length:** Semester

**Credit Count:** .50 Life Sciences

***STUDENT AIDES NEEDED FOR ALL PERIOD: Please see Philip***

## **MIKE'S COURSE DESCRIPTIONS**

### **1st Semester 2015-2016**

#### **PERIOD 1 and 2**

##### **PHYSICAL SCIENCE**

**Grade Level:** 7 - 8

**Course Length:** Semester

**Credit Count:** .50 Physical Science

This class provides an introduction into the nature of the physical world around us. Topics covered in this course include the nature of matter, forces and motion, the characteristics of light, as well as electricity and power generation in a warming world. Grading will be based on tests, quizzes, laboratory exercises, as well as an independent project where students will be asked to design and build a usable source of environmentally sustainable energy. Grading will be a combination of tests and quizzes, as well as laboratory exercises and independent projects.

#### **PERIOD 3**

##### **ASTRONOMY**

**Grade Level:** 7 - 8

**Course Length:** Semester

**Credit Count:** .50 Physical Science

Topics covered in this class include the highlights of astronomy, ancient and modern. Starting off with the moon and the phenomena associated with it (tides, eclipses) we will work our way out to the planets, which we will discuss from both a historical perspective and modern viewpoint. During this part of the course Newton's view of gravity and mechanics will be used to better understand the motions of the planets and other celestial objects. Working our way further from home, we will spend some time learning about the electromagnetic spectrum in order to use it as a tool to gain information about the chemistry and physics of the stars, as well as to understand why traveling really fast in space is incompatible with life. Ending up far from home we will leave our local star behind and explore planets around stars other than the sun (exo-planets) finally ending up billions of light years away at the far reaches of the known universe. Grading will be a combination of test and quizzes, as well as lab exercises, observation events and records, as well as student presentations.



## PERIOD 5 & 6

### **CHEMISTRY**

**Grade Level:** 9 – 12

**Prerequisite:** Algebra 1

**Course Length:** Semester

**Credit Count:** .50 Physical Science

This class provides an introduction into the principals of chemistry. Topics covered include the physical nature of matter, chemical bonding, stoichiometry, types of chemical reactions, as well as the chemical and physical properties of gases, liquids, and solids. Grading will be based on tests, quizzes, as well as the laboratory component of the course.



## **GERALD'S COURSE DESCRIPTIONS**

### **1<sup>st</sup> Semester 2015-2016**

#### **PERIOD 1**

##### **CONCEPTUAL PHYSICS**

**Grade Level:** 10 - 12

**Course Length:** Semester

**Credit Count:** .50 Physical Science

Conceptual Physics engages students with analogies and imagery from real - world situations to build a strong conceptual understanding of physical principles ranging from classical mechanics to modern physics. With this strong conceptual foundation, students are better equipped to understand the equations and formulas of physics, and to make connections between the concepts of physics and their everyday world.

#### **PERIOD 2**

##### **PHYSICAL EDUCATION**

**Grade Level:** 7 - 12

**Course Length:** Semester

**Credit Count:** .50 Physical Education

Students will learn the value of staying fit throughout their life. The class will stress endurance, flexibility, strength training as well as sportsmanship and participation. Games include: cone ball, kickball, soccer, volleyball, basketball, etc.

#### **PERIOD 3**

##### **LIFE SCIENCE**

**Grade Level:** 7- 8

**Course Length:** Semester

**Credit Count:** .50 Life Science

Students will learn about cell structure and function along with cellular processes and energy flow. The plant and animal kingdoms will be stressed.

## PERIOD 4

### PHYSICS

**Grade Level:** 10-12

**Prerequisite:** Algebra 2

**Course Length:** Semester

**Credit Count:** .50 Physical Science

This physics course is a mathematical treatment of motion and inertia, Newton's laws, momentum and energy, circular motion and gravitation, gravitational interactions and satellites, etc. This course includes instructions for lab activities that can be completed with commonly available equipment.

## PERIOD 5

### PHYSICAL SCIENCE

**Grade Level:** 7 - 8

**Course Length:** Semester

**Credit Count:** .50 Physical Science

Students will learn the concepts of Newton's three laws of motion and how speed, velocity, acceleration, displacement vs distance traveled and the concepts surrounding friction relate to them.



## MARLA'S COURSE DESCRIPTIONS

### 1st Semester 2015-2016

#### PERIOD 2

##### **BASIC MATH**

**Grade Level:** 7

**Course Length:** Year

**Credit Count:** 1 Seventh Grade Math

This course is designed for the student who needs remedial work in basic math skills. This course covers addition, subtraction, multiplication and division of whole numbers, fractions and decimals, estimation, percents, solution of word problems and calculator applications.

#### PERIOD 3

##### **CALCULUS**

**Grade Level:** 7 - 12

**Course Length:** Year

**Prerequisites:** C or better in both Algebra II and Pre-Calculus

**Credit Count:** 1 High School Math

This course is introductory college level material. The student is expected to meet this college level workload to be successful. This course includes the study of functions and graphs, derivatives and their application, analytic geometry, limits and continuity and includes the use of current technology.

#### PERIOD 4 & 6

##### **ALGEBRA I**

**Grade Level:** 7 - 12

**Course Length:** Year

**Credit Count:** 1 High School Math (satisfies graduation requirement)

The course reviews and extends problem solving, data analysis, the use of technology (i.e., scientific calculator, graphing calculator, computer), the theory, use and understanding of the fundamental operations on real numbers, expressing quantitative statements in the language of algebra, solving equations and inequalities, polynomials, the use of rational expressions in equations, coordinate graphing, irrational numbers, solution of quadratic equations and related applications.

***Middle School Students: To receive high school credit for this course student must earn a grade of C or better.***

## PERIOD 5

### PRE-CALCULUS

**Grade Level:** 7 - 12

**Course Length:** Year

**Prerequisites:** C or better in both Algebra II and Geometry

**Credit Count:** 1 High School Math

This course covers logarithmic and exponential functions, analytic geometry, introduction to limits and the derivative, sequences and series, circular and trigonometric functions, graphs, laws, identities, inverses and their applications, vectors and complex numbers. The emphasis of this course is on the concepts that build toward understanding calculus. It follows an applications approach and uses graphing calculators and other appropriate technology.



## JASON'S COURSE DESCRIPTIONS

### 1st Semester 2015-2016

#### PERIOD 1 & 2

##### **PRE-ALGEBRA**

**Grade Level:** 7 - 8

**Course Length:** Year

**Credit Count:** 1 Middle School Math

This course is designed to prepare students for success in an algebra course. The emphasis will be on continued development of pattern recognition, computational skills, elementary algebra topics, geometric relationships, problems solving and the use of technology.

#### PERIOD 3

##### **ALGEBRA I**

**Grade Level:** 7 - 12

**Course Length:** Year

**Credit Count:** 1 High School Math

The course reviews and extends problem solving, data analysis, the use of technology (i.e., scientific calculator, graphing calculator, computer), the theory, use and understanding of the fundamental operations on real numbers, expressing quantitative statements in the language of algebra, solving equations and inequalities, polynomials, the use of rational expressions in equations, coordinate graphing, irrational numbers, solution of quadratic equations and related applications.

***Middle School Students: To receive high school credit for this course student must earn a grade of C or better.***

## PERIOD 4 & 5

### **ALGEBRA II**

**Grade Level:** 7 - 12

**Course Length:** Year

**Prerequisites:** C or better in both Algebra I and Geometry

**Credit Count:** 1 High School Math

This course includes problem solving, data analysis, the use of technology (i.e., graphing calculator, computer), basic operations with polynomials, solving equations and inequalities, sequences and series, relations and functions, systems of equations in two and three variables, understanding and operations with matrices, irrational and complex numbers through the solution of quadratic functions and polynomial functions of higher than first degree, use and evaluation of the Euler number, and an introduction to logarithms.

***Middle School Students: To receive high school credit for this course student must earn a grade of C or better.***



## TROY'S COURSE DESCRIPTIONS

### 1st Semester 2015-2016

#### PERIOD 1 & 2

##### GEOMETRY

**Grade Level:** 7 - 12

**Course Length:** Year

**Credit Count:** 1 High School Math

This course is designed to prepare students for success in an algebra course. The emphasis will be on continued development of pattern recognition, computational skills, elementary algebra topics, geometric relationships, problems solving and the use of technology.

***Middle School Students: To receive high school credit for this course student must earn a grade of C or better.***

#### PERIOD 4, 5 & 6

##### PHYSICAL EDUCATION

**Grade Level:** 7 - 12

**Course Length:** Semester

**Credit Count:** .50 Physical Education / Elective

***Course of study unavailable at this time.***

