

2019-2020 Gray Matter Class List

Middle School classes listed by subject:

Science

Earth Science
Engineering
Life Science
Integrated Physics and Chemistry

Math

Math-U-See (multi-level: Epsilon through Pre-Algebra)
*2 different classes to choose the right time for you

Language Arts

Middle School English
Middle School Writing
Middle School World Literature
Yoga & Creative Writing

Social Studies

Texas History
World Geography
World History

Foreign Language

Middle School Spanish
American Sign Language

Fine Arts

Multimedia Art (Art Club!)
Drawing & Painting (Art Skills!)

Electives

Critical Thinking
Introduction to Formal Logic
LEGO Mechanisms
Online Computer Programming
Passionate Entrepreneurship & Business Foundations
Robotics

Physical Education

Yoga & Creative Writing

High School classes listed by subject:

Science

Advanced Biotechnology &
Biotechnology Research Years I, II, and III
Anatomy & Physiology
Honors Biology
Honors Chemistry
Honors Physics

Math

Math-U-See (multi-level: Algebra 1 through Calculus)
*2 different classes to choose the right time for you

Language Arts

Advanced Composition
Classic Literature
High School English
Introduction to High School Writing
Intermediate High School Writing

Social Studies

American History
High School Government/Civics
World History

Foreign Language

Spanish 1
Spanish 2
American Sign Language (Wed only)

Electives

Computer Programming
Game Studies/Ludology
Online Computer Programming
Passionate Entrepreneurship & Business Foundations
Speech and Debate

Gray Matter 2019-2020 Course Catalog

Science

Advanced Biotechnology Years 1/2/3 and Biotech Research 1/2/3

Teacher: Mohamed Ibrahim, PhD

Grades: 9, 10, 11, 12

Class Schedule: Tuesday/Thursday **Class Time:** 3:30 – 5:30 pm **Duration:** 4 hours per week, 32 weeks

Fee(s):	Full Tuition	Supply Fee
	\$1,080.00	\$30

Description: We spend two hours covering concepts and two hours in hands-on labs each week.

Biotechnology is one of the fastest growing industries in the nation, with a high demand for entry-level workers and two-year and four-year college graduates. In the last 25 years, the US biotechnology industry has created more than 198,000 high-quality jobs, at over 1,400 pharmaceutical, agricultural, industrial, and instrumentation biotechnology companies, plus more at academic and government agencies. In North Texas alone, over 16,000 people are employed in this industry (2004). After taking this course, your student is well prepared for college lab work, or can apply to work as an intern in the DFW biosciences industry.

During the 32 weeks your student learns:

- basic biology and chemistry necessary for our lab work
- DNA isolation and analysis
- protein isolation and analysis
- assay development
- how to use the spectrophotometer for protein assays
- how to splice genes and genetically transform bacteria
- recombinant protein production
- protein purification and analysis

Students learn cutting-edge lab techniques currently used in the biotech industry:

- use micro-pipettes
- make lab solutions (a gateway skill to internships!)
- run vertical and horizontal gel electrophoresis equipment
- perform PCR
- use a spectrophotometer
- separate proteins using a variety of techniques, including column chromatography
- and many other lab skills directly pertinent to working in the industry (or preparing for college!)

Students gain hands-on experience with advanced lab equipment that includes:

- Spectrophotometer for protein assays—quantitative measurement of the reflection or transmission properties of a material as a function of wavelength
- PCR (Polymerase Chain Reaction) machine—biochemical technology in molecular biology used to amplify a single or a few copies of a piece of DNA
- Horizontal and vertical gel electrophoresis equipment—separation and analysis of macromolecules (DNA, RNA and proteins) and their fragments
- Column chromatography—purify individual chemical compounds from mixtures
- Electron microscope—uses accelerated electrons as a source of illumination to reveal the structure of smaller objects

Join this class to step into the 21st Century! (It really is the coolest class, ever!)

Prerequisites: Biology

Homework: Students are expected to prepare their laboratory notebook, including pre-lab questions, before class and may need to complete additional research and conclusions outside of class. (approximately 1-2 hours per week)

Class Materials: Textbook and Lab Manual: *Biotechnology: A Laboratory Skills Course, Student Edition* Brown, et al. ©2011 ISBN-13: **978-0-983-23960-4**. New and Used versions are available at textbooks.com

Standard notebook paper (spiral or loose leaf, student's preference), binder, and pens

Payment Options:

1. Full tuition of \$1080.00 is due at time of registration.
2. Monthly payments of \$120. May month tuition is due at time of registration. Subsequent monthly payments of \$120 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.

Anatomy & Physiology

Teacher: Sheryl Carr

Grades: 9, 10, 11, 12

Class Schedule: Tuesday/Thursday

Class Time: 3:00 – 4:30 pm

Duration: 3 hours per week, 32 week

Fee(s):

Full Tuition

Supply Fee

\$900.00

\$30

Description:

This is an advanced biology course for students interested in human biology. Those students interested in health professions are introduced to the concepts which will provide them a foundation for further studies. The students will perform experiments, organ and other specimen dissections, and use a high power microscope.

Dissections include, but are not limited to,: brain (sheep), eye (sheep), kidney (pig), spinal cord (cow), and uterus (pig). After building upon the basics of cells and tissues, all of the body systems will be covered: integumentary, skeletal, muscular, nervous, endocrine, circulatory, lymphatic, digestive, respiratory, urinary, and reproductive systems.

Prerequisites:

Biology

Homework:

Students can expect to spend 2-3 hours per week studying and note taking. There are 2 exams (midterm and final), regular quizzes, and occasional homework.

Class Materials:

McGraw-Hill Education-publisher

Textbook: *Hole's Human Anatomy & Physiology* ©2017 ISBN-13: 978-0076758326 Hardcover

Lab Manual: *Hole's Human Anatomy & Physiology Lab Manual (PIG)*

Standard notebook paper (spiral or loose leaf, student's preference), binder, and pens

Payment Options:

1. Full tuition of \$900.00 is due at time of registration.
2. Monthly payments of \$100. May month tuition is due at time of registration. Subsequent monthly payments of \$100 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.

Biology [Honors]

Teacher: Vik Marcussen

Grades: 9, 10, 11, 12

Class Schedule: Tuesday/Thursday

Class Time: 1:00 – 2:30 pm

Duration: 3 hours per week, 32 week

Fee(s):

Full Tuition

Supply Fee

\$900.00

\$20

Description:

This is an honors Biology class for high school students or advanced middle school students. This high school curriculum and can be counted as a high school science class on your transcript.

This is a lab-based class with inquiry-based labs. As usual, we spend about half our time covering concepts and the other half in hands-on labs each week. Topics include cell chemistry, cell structure and function, heredity and genetics, classification, the six kingdoms (dissection), human anatomy, ecology, and evolution. (Your child can skip the dissections without penalty, if necessary.)

Prerequisites: None

Homework: Students can expect to spend 1-3 hours per week studying and note taking. There are 2 exams - midterm and final, regular quizzes, and occasional homework.

Class Materials: Standard notebook paper (spiral or loose leaf, student's preference), binder, and pens

Textbook: <https://www.ck12.org/book/CK-12-Biology-Advanced-Concepts/> (Available for free online)

Payment Options:

1. Full tuition of \$900.00 is due at time of registration.
2. Monthly payments of \$100. May month tuition is due at time of registration. Subsequent monthly payments of \$100 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.

Chemistry [Honors]

Teacher: Katy Gordon

Grades: 9, 10, 11, 12

Class Schedule: Tuesday/Thursday

Class Time: 9:00 – 10:45 am

Duration: 3.5 hours per week, 32 wks

Fee(s):

Full Tuition

Supply Fee

\$990.00

\$25

Description: This is a pre-AP/Honors Chemistry class designed to prepare your student for college-level coursework. Completion of this course fulfills the science credit required for high school.

This is a lab-based class with inquiry-based labs. About half our time will be used to understand concepts and the other half in hands-on labs to demonstrate those concepts each week. Topics include titrating acids, purifying water, testing to identify the anions and cations in fertilizers, testing the percentages of protein, vitamin C, iron, fats, carbohydrates, and water in foods, preparing and testing a carbonate buffer, testing the activity of enzymes at different pH levels, testing air samples for CO₂, building a cloud chamber and observing the vapor trails from a radioactive particle as well as the effect of a magnetic field on the particle, making esters and so much more!

Prerequisites: Algebra I preferred, but can be taken concurrently

Homework: Students can expect to spend 1-3 hours per week studying and note taking. There are 2 exams - midterm and final, regular quizzes, and occasional homework.

Class Materials: Lab manual provided as copies. Cost of copies included in supply fee.

Standard notebook paper (spiral or loose leaf, student's preference), binder, pens, and scientific calculator

Textbook: *Glencoe Chemistry: Matter And Change*; Student Edition [1st edition]; by Nicholas Hainen, Cheryl Wistrom, Laurel Dingrando, and Kathleen V. Gregg; ©2001; ISBN-13: **978-0-028-28378-4**; Hardback, Published by Glencoe/McGraw-Hill; 976 pages.

Payment Options:

1. Full tuition of \$990.00 is due at time of registration.
2. Monthly payments of \$110. May month tuition is due at time of registration. Subsequent monthly payments of \$110 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.

Earth Science

Teacher: Ian Seamans

Grades: 5, 6, 7, 8

Class Schedule: Wednesday Only

Class Time: 10:45 – 12:15 pm

Duration: 1.5 hours per week, 32 wks

Fee(s):

Full Tuition

Supply Fee

\$630.00

\$25

Description:

This class covers geology, meteorology, oceanography, and astronomy. Earth Science integrates biology, chemistry, and physics in a way that makes their application real and meaningful to the student. An understanding of the Earth and the forces that act upon it also provide a foundation of understanding for high school science classes. Almost every class will include at least one lab experiment. We will also regularly view short videos related to the week's subject, and have in-class discussions of topics.

Prerequisites:

None

Homework:

Students can expect to spend 1-2 hours weekly reading the textbook, completing lab notes, watching videos, and completing take-home quizzes.

Textbook:

CK-12 Earth Science for Middle School (Available for free online. Will be distributed prior to first class)

Class Materials:

Laptop, tablet, or smartphone
Home internet access
Three-ring binder
Writing utensils.
Laptops can be supplied on request.
Laptops can be supplied on request.

Payment Options:

1. Full tuition of \$630.00 is due at time of registration.
2. Monthly payments of \$70. The May month tuition is due at time of registration. Subsequent monthly payments of \$70 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.

Engineering

Teacher: Laura Woolley

Grades: 6, 7, 8

Class Schedule: Monday/Wednesday

Class Time: 10:45 - 12:15 pm

Duration: 3 hours per week, 32 weeks

Fee(s):

Full Tuition

Supply Fee

\$990.00

\$0 – supplies are included in tuition

Description:

In this class, students will review simple machines to see how they are used for energy transference in more complex machinery. Students will be using the Engineering Design Process on their many designs throughout the class. Most class activities are student-driven, hands-on opportunities to test their newly gained knowledge. For example, when learning about criteria and constraints, testing and revision, and brainstorming, they will work together in small groups to create fairly complex Rube Goldberg machines. Additionally, when learning about various forces, they will apply their knowledge to bridge design and construction in order to determine which bridge design is the most robust.

Your students learn about:

- Energy transference, Newton's Laws of Motion, and simple machines
- Perspective, orthographic, isometric and CAD drawings
- Tension, compression, torque and shear, how these forces interact with structures, and design basics used when dealing with these forces.
- Various materials and fasteners available, the strengths and weaknesses of each, and how to choose the best material and fasteners for your design.
- Various tools, including basic and power tools, necessary safety instructions, and how/when to use them.
- The Engineering Design Process

During the Spring Semester, students will apply the knowledge gained in class, as well as the Engineering Design Process, to build something lasting for the school.

Prerequisites:

None

Homework: Students can expect to spend 1-3 hours per week.

Class Materials: No textbook for this class
All handouts and classroom materials are provided by the teacher. The materials fee of \$50 is included in the tuition.

Standard notebook paper (spiral or loose leaf, student's preference), binder, and pens

Payment Options:

1. Full tuition of \$990.00 due at time of registration.
2. Monthly payments of \$110. The May month tuition is due at time of registration. Subsequent monthly payments of \$110 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.

Integrated Physics and Chemistry

Teacher: Katy Gordon

Grades: 7, 8, 9

Class Schedule: Monday Only

Class Time: 1:00 – 3:00 pm

Duration: 2 hours per week, 32 weeks

Fee(s):	Full Tuition	Supply Fee
	\$720.00	\$20

Description: We spend one semester on basic concepts in physical science, and one semester on basic chemistry. We use labs to internalize Newton's Three Laws, fluid dynamics, work and machines, energy and heat, electricity, magnetism, wave properties, sound and light, the properties of matter, elements, atoms, chemical bonds, chemical reactions, acids, bases, and atomic energy. This course is commonly taken the year before starting high school science classes.

This course can fulfill a high school science credit.

Prerequisites: None

Homework: Students can expect to spend 2-3 hours weekly reading the textbook and taking notes, as well as completing weekly homework assignments and preparing for exams (2) and quizzes.

Class Materials: Standard notebook paper (spiral or loose leaf, student's preference), binder, and pens

Textbook: *CPO Science: Integrated Physics and Chemistry* by Tom Hsu, Ph.D. ©2002
ISBN- 1-58892-000-3, Cambridge Physics Outlet Hardcover

Payment Options:

1. Full tuition of \$720.00 due at time of registration.
2. Monthly payments of \$80. First month is due at time of registration. Subsequent monthly payments of \$80 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.

Life Science

Teacher: Ian Seamans

Grades: 5, 6, 7, 8

Class Schedule: Monday Only

Class Time: 10:45 – 12:15 pm

Duration: 1.5 hours per week, 32 wks

Fee(s):	Full Tuition	Supply Fee
	\$630.00	\$25

Description: This class will cover foundational information about living organisms, ecology, the human body and evolution. We use hands-on labs to explore cells and cell activity, DNA, classification of organisms, the human body,

radioactive dating, fossils, and evolution among others. An important aspect of this class is learning the scientific method and creating and documenting experiments.

Prerequisites: None

Homework: Students can expect to spend 1-2 hours weekly reading the textbook, completing lab notes, watching videos, and completing take-home quizzes.

Textbook: CK-12 Life Science for Middle School (Available for free online.)

Class Materials: Laptop, tablet, or smartphone
Home internet access
Three-ring binder
Writing utensils.
Laptops can be supplied on request.

Payment Options:

1. Full tuition of \$630.00 is due at time of registration.
2. Monthly payments of \$70. The May month tuition is due at time of registration. Subsequent monthly payments of \$70 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.

Physics [Honors]

Teacher: Katy Gordon

Grades: 9, 10, 11, 12

Class Schedule: Tuesday/Thursday

Class Time: 10:45 am – 12:15 pm

Duration: 3 hours per week, 32 weeks

Fee(s):

Full Tuition

Supply Fee

\$900.00

\$20

Description:

Completion of this course fulfills a science credit required for high school.

This algebra-based Honors Physics course will take you from kinematics through thermodynamics, vibrations, optics, quantum mechanics, and astrophysics. The course structure builds and enhances physics topics and skills using innovative labs, numerous group discussions and activities, plus problem solving using applied mathematics. Honors Physics incorporates additional mathematics and theoretical concepts beyond the middle school Integrated Physics and Chemistry class.

Prerequisites:

Completion of Algebra I is required. Geometry or Algebra II can be taken concurrently.

Homework:

Students can expect to spend 2-3 hours per week on chapter readings and regular homework, as well as preparing for exams (2 per semester).

Class Materials:

Scientific Calculator

Standard notebook paper (spiral or loose leaf, student's preference), binder, pens, and scientific calculator

Textbook:

Holt Physics: Pupil Edition 1st Edition by Serway and Faughn ©2002, ISBN-13: **978-0-030-56544-1**, HOLT, RINEHART AND WINSTON Hardcover

Payment Options:

1. Full tuition of \$900.00 is due at time of registration.
2. Monthly payments of \$100. The May month tuition is due at time of registration. Subsequent monthly payments of \$100 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.

Math

High School Math (Algebra 1/Geometry)

Teacher: Tammy Long

Grades: 7, 8, 9, 10

Class Schedule: Tuesday/Thursday

Class Time: 11:00 am – 12:15 pm

Duration: 2.5 hours per week, 32 wks

Fee(s):

Full Tuition

Supply Fee

\$756.00

\$0

Description:

In Algebra I, you use all your previous knowledge about whole numbers, fractions, decimals, negatives, exponents, and solving equations to develop stronger problem solving strategies. This includes more work with exponents and solving more complex equations as well as graphing, simultaneous equations, polynomials, unit multipliers, and more. The goal is to use math as the problem-solving tool for which is was designed to achieve deeper understanding of each lesson and acquire a functioning knowledge of math for life-long use. Even if you never solve another equation after school, you will use these problem-solving strategies in your everyday life.

In Geometry, we will learn about points, lines, planes, angles, circles, triangles, quadrilaterals, the Pythagorean Theorem, conic sections, proofs, and more. This helps you obtain a deeper understanding, lifelong learning, and a functioning knowledge of how to use math as the problem-solving tool for which it is designed.

We have what is called a flipped classroom, meaning you watch the Math U See lesson using the free learning site Sophia.org at home and attempt the first page of the workbook for that lesson. This prepares you for our classwork and helps you to ask questions on anything you don't understand. I help you figure out where and why you may be struggling, then individualize the teaching for you. You finish the pages from the workbook at home, grade them in class, and take the test in class. I want you to know, **"Yes, You CAN do math!"**

I help my students to work at a pace appropriate for their abilities. I believe there is no such thing as "behind in math." You are where you are, for who you are, this moment. The question becomes, "Where do you want to go from here?" I'm available to help you achieve your mathematics goals. If your goal is to finish the level you are on within the school year, you should be averaging a lesson per week (video, online quiz, practice page, review page, and test). The in-class activities are based on a pace of one lesson per week.

What do I buy? Am I ready for Algebra? Can I just skip Pre-Algebra?

We use the Math-U-See curriculum and manipulatives. Students are required to have the student workbook and test book (sold on the Math-U-See website as a student pack) prior to the first day. **Just a caution**, it can take a couple of weeks to arrive through the mail. I provide the teaching textbooks, manipulatives, and any supplementary material. **I strongly discourage skipping the Pre-Algebra course and moving directly from Zeta into Algebra.**

Go to www.mathusee.com/ to find free placement tests.

Prerequisites:

An understanding of Middle School Pre-Algebra Concepts

Homework:

Students can expect to spend about 1-3 hour per week on math outside of class. They will be asked to watch the Math-U-See video for that lesson at home before starting each new chapter and complete the online quiz (for Algebra only). They will be expected to complete at least one practice page, one review page, and the test for each lesson.

Class Materials:

Math-U-See Algebra 1 Student pack and Sophia.org free account
OR Math-U-See Geometry Student Pack and Sophia.org free account

You can find the student packs at <http://store.mathusee.com/> and other online sources

Payment Options:

1. Full tuition of \$756.00 is due at time of registration.
 2. Monthly payments of \$84. The May month tuition is due at time of registration. Subsequent monthly payments of \$84 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.
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High School Math (Algebra 2 and Beyond)

Teacher: Tammy Long

Grades: 9, 10, 11, 12

Class Schedule: Tuesday/Thursday

Class Time: 9:30 – 10:45 am

Duration: 2.5 hours per week, 32 wks

Fee(s): **Full Tuition** **Supply Fee**

\$756.00 \$0

Description: So you have completed Algebra I and Geometry and want to learn even more about upper-level math. You also want to prepare even further for your college entry exams. Algebra II is the next step where we explore topics such as factoring polynomials, the quadratic formula, and graphing conic sections. Next is Pre-Calculus where we learn trigonometry, the identities, polar equations, logarithms, sequences, and limits in preparation for Calculus. If you have completed both Algebra II and Pre-Calculus, I can help you prepare for the AP Calculus test. This helps you obtain a deeper understanding, life-long learning, and a functioning knowledge of how to use math as the problem-solving tool for which it is designed.

Those completing Algebra 2 (2019-2020) will be prepared to take the College Algebra CLEP in late Spring 2020 in order to gain college credit. If you have any questions, please email: Jen@GrayMatterDFW.com or Tammy.Long@GrayMatterDFW.com

We have what is called a flipped classroom, meaning you watch the lesson using the learning the Math-U-See DVD (or digital streaming videos in the digital pack) at home and attempt the first page of the workbook for that lesson. This prepares you for our classwork and helps you to ask questions on anything you don't understand. I help you figure out where and why you may be struggling, then individualize the teaching for you. I want you to know, "**Yes, You CAN do math!**"

I help my students to work at a pace appropriate for their abilities. I believe there is no such thing as "behind in math." You are where you are, for who you are, this moment. The question becomes, "Where do you want to go from here?" I'm available to help you achieve your mathematics goals. If your goal is to finish the level you are on within the school year, you should be averaging a lesson per week (video, online quiz, practice page, review page, and test). The in-class activities are based on a pace of one lesson per week.

What do I buy? Am I ready for Algebra II? Pre-Calculus? AP Calculus? We use the Math-U-See curriculum and manipulatives. Students are required to have the student workbook and test book (sold on the Math-U-See website as a student pack) prior to the first day. **Just a caution**, it can take a couple of weeks to arrive through the mail. I provide the teaching textbooks, manipulatives, and any supplementary material.

Go to www.mathusee.com/ to find free placement tests.

AP Calculus

Students who are ready for Calculus have successfully completed Algebra I, Algebra II, Geometry, and Pre-Calculus (or an advanced math/ trigonometry equivalent)

Note: We will not be using the Math-U-See curriculum to prepare for the AP Calculus exam. We are not an official AP Calculus class, but only because it is not a requirement to register through the SAT Board to qualify to take the exam. You just need to make sure you are ready. I am following the SAT Board guidelines to ensure you have been taught all you need to know to do well on the AP Calculus exam. The rest is up to you.

Prerequisites: Completion of Algebra 1, Algebra 2, or Pre-Calculus level work (depending on the level you will be taking)

Homework: Students can expect to spend about 1-3 hour per week on math outside of class. They will be asked to watch the Math-U-See video for that lesson at home before starting each new chapter and complete the online quiz. They will be expected to complete at least one practice page, one review page, and the test for each lesson.

Class Materials: Math-U-See Algebra 2 Student pack and Sophia.org free account
OR Math-U-See Pre-Calculus Student pack and Sophia.org free account
OR Larson Calculus 10e book: ISBN-13: 978-1285057095 ISBN-10: 1285057090

You can find this set at <http://store.mathusee.com/> and other online sources

Payment Options:

1. Full tuition of \$756.00 is due at time of registration.

2. Monthly payments of \$84. The May month tuition is due at time of registration. Subsequent monthly payments of \$84 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.

Middle School Math (Epsilon/Zeta)

Teacher: Tammy Long

Grades: 6, 7, 8, 9

Class Schedule: Monday/Wednesday

Class Time: 9:30 – 10:45 am

Duration: 2.5 hours per week, 32 wks

Fee(s):

Full Tuition

Supply Fee

\$720.00

\$0

Description:

In Middle School Math, you master fractions (when starting at the Epsilon level) or decimals (starting at the Zeta level) or negative numbers, order of operations, and solving for the unknown (when starting at the Pre-Algebra level). (See the placement tests below to help you pick the math level on which you should begin.) Together we use discovery learning and hands-on activities to understand the basic concepts for your level. This helps you obtain a deeper understanding, life-long learning, and a functioning knowledge of how to use math as the problem-solving tool for which it is designed.

We have what is called a flipped classroom, meaning you watch the lesson using the learning the Math-U-See DVD (or digital streaming videos in the digital pack) at home and attempt the first page of the workbook for that lesson. This prepares you for our classwork and helps you to ask questions on anything you don't understand. I help you figure out where and why you may be struggling, then individualize the teaching for you. I want you to know, "**Yes, You CAN do math!**"

I help my students to work at a pace appropriate for their abilities. I believe there is no such thing as "behind in math." You are where you are, for who you are, this moment. The question becomes, "Where do you want to go from here?" I'm available to help you achieve your mathematics goals. If your goal is to finish the level you are on within the school year, you should be averaging a lesson per week (video, online quiz, practice page, review page, and test). The in-class activities are based on a pace of one lesson per week.

What do I buy? Which Math-U-See level do I pick? We use the Math-U-See curriculum and manipulatives. Students are required to have the student workbook and test book (sold on the Math-U-See website as a student pack) prior to the first day. **Just a caution**, it can take a couple of weeks to arrive through the mail. I provide the teaching textbooks, manipulatives, and any supplementary material. Both Epsilon and Zeta require mastery of the basic operations of adding, subtracting, multiplying, and dividing.

Go to www.mathusee.com/ to find free placement tests.

Prerequisites:

None

Homework:

Students can expect to spend about 1-3 hour per week on math outside of class. They will be asked to watch the Math U See video for that lesson at home before starting each new chapter and complete the online quiz. They will be expected to complete at least one practice page, one review page, and the test for each lesson.

Class Materials:

Math-U-See Epsilon Student Pack and Sophia.org free account
OR Math-U-See Zeta Student Pack and Sophia.org free account

You can find this set at <http://store.mathusee.com/> and other online sources

Payment Options:

1. Full tuition of \$720.00 is due at time of registration.
2. Monthly payments of \$80. The May month tuition is due at time of registration. Subsequent monthly payments of \$80 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.

Middle School Math (Pre-Algebra)

Teacher: Tammy Long

Grades: 6, 7, 8, 9

Class Schedule: Monday/Wednesday

Class Time: 11:00 am – 12:15 pm

Duration: 2.5 hours per week, 32 wks

Fee(s):

Full Tuition

Supply Fee

\$720.00

\$0

Description:

In Middle School Math, you master fractions (when starting at the Epsilon level) or decimals (starting at the Zeta level) or negative numbers, order of operations, and solving for the unknown (when starting at the Pre-Algebra level). (See the placement tests below to help you pick the math level on which you should begin.) Together we use discovery learning and hands-on activities to understand the basic concepts for your level. This helps you obtain a deeper understanding, life-long learning, and a functioning knowledge of how to use math as the problem-solving tool for which it is designed.

We have what is called a flipped classroom, meaning you watch the lesson using the learning the Math-U-See DVD (or digital streaming videos in the digital pack) at home and attempt the first page of the workbook for that lesson. This prepares you for our classwork and helps you to ask questions on anything you don't understand. I help you figure out where and why you may be struggling, then individualize the teaching for you. I want you to know, "**Yes, You CAN do math!**"

I help my students to work at a pace appropriate for their abilities. I believe there is no such thing as "behind in math." You are where you are, for who you are, this moment. The question becomes, "Where do you want to go from here?" I'm available to help you achieve your mathematics goals. If your goal is to finish the level you are on within the school year, you should be averaging a lesson per week (video, online quiz, practice page, review page, and test). The in-class activities are based on a pace of one lesson per week.

What do I buy? Which Math-U-See level do I pick? We use the Math-U-See curriculum and manipulatives. Students are required to have the student workbook and test book (sold on the Math-U-See website as a student pack) prior to the first day. **Just a caution**, it can take a couple of weeks to arrive through the mail. I provide the teaching textbooks, manipulatives, and any supplementary material. Both Epsilon and Zeta require mastery of the basic operations of adding, subtracting, multiplying, and dividing

Go to www.mathusee.com/ to find free placement tests.

Prerequisites:

None

Homework:

Students can expect to spend about 1-3 hour per week on math outside of class. They will be asked to watch the Math U See video for that lesson at home before starting each new chapter and complete the online quiz. They will be expected to complete at least one practice page, one review page, and the test for each lesson.

Class Materials:

Math-U-See Pre-Algebra Student Pack and and Sophia.org free account

You can find this set at <http://store.mathusee.com/> and other online sources

Payment Options:

1. Full tuition of \$720.00 is due at time of registration.
2. Monthly payments of \$80. The May month tuition is due at time of registration. Subsequent monthly payments of \$80 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.

Language Arts

Advanced Composition

Teacher: Anne Roberts

Grades: 9, 10, 11, 12

Class Schedule: Tuesday/Thursday

Class Time: 11:00 am – 12:15 pm

Duration: 2.5 hours per week, 32 wks

<u>Fee(s):</u>	<u>Full Tuition</u>	<u>Supply Fee</u>
	\$756.00	\$35

Description: Join us as we learn trade secrets for crafting powerful Expository Essays! This class will focus on teaching an explicit series of essay-writing steps, plus all the skills you will need to excel at the two types of argumentation required most in High School and College writing: the Explanatory Essay and the Persuasive Essay.

Since writing well also requires students to access great writing by others, we will draw inspiration from a number of texts and materials, and aim for lively discussions at each class meeting.

By the end of this course students should be confident in their ability to communicate complex ideas through their own writing. They should also feel comfortable enough with argumentation to thoroughly enjoy the writing process.

Completion of this course fulfills an English credit requirement for high school.

Prerequisites: None

Homework: Students can expect to spend 2–5 hours per week, depending on student pace.

Class Materials:
 Pens/pencils
 Notebooks or paper (or laptop or tablet) for note taking
 There will also be a course reader passed out at the first class with selections from other sources.

Textbooks: A Professor's Guide to Writing Essays: The No-Nonsense Plan for Better Writing, Dr. Jacob Neumann (\$10).
 Models for Writers: Short Essays for Composition Twelfth Edition* by Alfred Rosa and Paul Eschholz.

*Please buy the much-less-expensive 12th edition paperback, NOT the newer 13th edition. Amazon has multiple used copies for sale.

Payment Options:

1. Full tuition of \$756.00 is due at time of registration.
2. Monthly payments of \$84. The May month tuition is due at time of registration. Subsequent monthly payments of \$84 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.

High School Classic Literature

Teacher: Anne Roberts

Grades: 9, 10, 11, 12

Class Schedule: Tuesday/Thursday

Class Time: 9:30 – 10:45 am

Duration: 2.5 hours per week, 32 wks

<u>Fee(s):</u>	<u>Full Tuition</u>	<u>Supply Fee</u>
	\$720.00	\$35

Description: Reading and understanding great literature is not only gratifying and wildly entertaining, it helps students sharpen their own critical thinking skills and communicate ideas more clearly. Short stories and poems are especially fun to read and analyze because they often contain exquisitely crafted language.

In this class, we will investigate the hidden meanings behind some of the very best poems and short stories ever written. We will explore a variety of different genres (such as Gothic Horror, Political Satire, Magical Realism, etc.) and study works written by some of the most famous authors of the Classical and Contemporary literary traditions.

Reading for this class will be bound in a course reader and will likely include very brief texts by: Edgar Allan Poe, H. P. Lovecraft, Fyodor Dostoyevsky, Herman Melville, Emily Dickenson, Charlotte Perkins Gilman, Voltaire, Roald Dahl, Oscar Wilde, Mark Twain, Franz Kafka, Ray Bradbury, Gabriel García Márquez, and others.

Completion of this course fulfills English credit requirements for high school.

Prerequisites: None

Homework: Students can expect to spend 2-4 hours per week, depending on student pace.

Class Materials: There will be a course reader passed out at the first class with selections from other sources.

Pens/pencils and notebooks or paper (or laptop or tablet) for note taking

Payment Options:

1. Full tuition of \$720.00 is due at time of registration.
2. Monthly payments of \$80. The May month tuition is due at time of registration. Subsequent monthly payments of \$80 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.

High School English

Teacher: Julie Poe

Grades: 9, 10, 11, 12

Class Schedule: Tuesday/Thursday

Class Time: 1:00 - 2:15 pm

Duration: 2.5 hours per week, 32 wks

Fee(s):

Full Tuition

Supply Fee

\$720.00

\$50

Description:

This class primarily focuses on literature from the twentieth century. Students will be expected to learn vocabulary from the works we read, report on background information to enrich our learning experience, and respond to the literature through various projects. I will throw in a little grammar practice as I notice issues we need to work on. This class provides one high school English credit.

Literature: The following is a partial and TENTATIVE list of major works for 2019-2020. (You do not need to purchase these since I will have a classroom set.) Night by Elie Wiesel, The Poisonwood Bible by Barbara Kingsolver, Animal Farm by George Orwell, The Joy Luck Club by Amy Tan.

Prerequisites:

None

Homework:

Students can expect to spend 2–4 hours per week, depending on student pace.

Class Materials:

3-ring binder devoted to this class only
Notebook paper
Pens/pencils
Colored pencils
Optional: laptop or other writing device

\$50 supply fee for instructor to provide materials throughout the year. I will provide a classroom set of the novels we read so that we can all use the same edition. If a student wants to keep a particular book, he can buy it from me for \$5.

Payment Options:

1. Full tuition of \$720.00 is due at time of registration
2. Monthly payments of \$80. The May month tuition is due at time of registration. Subsequent monthly payments of \$80 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.

Intro to High School Writing

Teacher: Julie Poe

Grades: 9, 10, 11, 12

Class Schedule: Tuesday/Thursday

Class Time: 2:30 – 3:30 pm

Duration: 2 hours per week, 32 weeks

Fee(s):

Full Tuition

Supply Fee

\$684.00

\$0

Description: Some basic techniques and skills are just essential to complete the writing tasks of high school and beyond. We will break those skills down. We will begin at the sentence level, spend more time on paragraphs, and eventually write a few essays. This class will include some gentle work on spelling, but spelling or handwriting do not determine a student's success as a writer.

We will actually be writing often during the class period, so students are encouraged to bring a laptop or other device to class to do their writing.

Prerequisites: None

Homework: Students can expect to spend 2–4 hours per week, depending on student pace.

Class Materials: 3-ring binder devoted to this class only
Notebook paper
Pens/pencils
Colored pencils
Optional: laptop or other writing device

Textbook: *Words You Should Know in High School* by Burton Jay Nadler ISBN: 978-1-59337-294-1

Payment Options:

1. Full tuition of \$684.00 is due at time of registration.
2. Monthly payments of \$76. The May month tuition is due at time of registration. Subsequent monthly payments of \$76 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.

Intermediate High School Writing

Teacher: Julie Poe

Grades: 9, 10, 11, 12

Class Schedule: Tuesday/Thursday

Class Time: 3:30 – 4:30 pm

Duration: 2 hours per week, 32 weeks

Fee(s):

Full Tuition

Supply Fee

\$684.00

\$0

Description: This class is designed for high school students who have a handle on basic writing skills but are not yet ready to jump into advanced composition. We will begin the year with a few paragraphs, spend most of our time on essays, and finish the year with a small research project. We will be targeting any problem areas we discover, strengthening editing and revising skills, and refining style.

We will actually be writing often during the class period, so students are encouraged to bring a laptop or other device to class to do their writing.

Prerequisites: None

Homework: Students can expect to spend 2–4 hours per week, depending on student pace.

Class Materials: 3-ring binder devoted to this class only
Notebook paper
Pens/pencils
Colored pencils
Optional: laptop or other writing device

Textbook: *Confessions of a High School Word Nerd*, edited by Arianne Cohen and Colleen Kinder ISBN: 978-0-16-303836-8

Payment Options:

3. Full tuition of \$684.00 is due at time of registration.
4. Monthly payments of \$76. The May month tuition is due at time of registration. Subsequent monthly payments of \$76 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.

Middle School Classic Literature

Teacher: Anne Roberts

Grades: 6, 7, 8

Class Schedule: Wednesday Only

Class Time: 11:00 – 12:15 pm

Duration: 1.25 hours per week, 32 wks

Fee(s):

Full Tuition

Supply Fee

\$720.00

\$35

Description:

Reading and understanding great literature is not only gratifying and wildly entertaining, it helps students sharpen their own critical thinking skills and communicate ideas more clearly. Short stories and poems are especially fun to read and analyze because they often contain exquisitely crafted language.

In this class, we will investigate the hidden meanings behind some of the very best poems and short stories ever written. We will explore a variety of different genres (such as Gothic Horror, Political Satire, Magical Realism, etc.) and study works written by some of the most famous authors of the Classical and Contemporary literary traditions.

Reading for this class will be bound in a course reader and will likely include very brief texts by: Edgar Allan Poe, H. P. Lovecraft, Fyodor Dostoyevsky, Herman Melville, Emily Dickenson, Charlotte Perkins Gilman, Voltaire, Roald Dahl, Oscar Wilde, Mark Twain, Franz Kafka, Ray Bradbury, Gabriel García Márquez, and others.

Prerequisites:

None

Homework:

Students can expect to spend 1–3 hours per week, depending on student pace.

Class Materials:

There will be a course reader passed out at the first class with selections from other sources.

Pens/pencils and notebooks or paper (or laptop or tablet) for note taking

Payment Options:

3. Full tuition of \$720.00 is due at time of registration.
4. Monthly payments of \$80. The May month tuition is due at time of registration. Subsequent monthly payments of \$80 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.

Middle School English A

Teacher: Julie Poe

Grades: 6, 7

Class Schedule: Monday/Wednesday

Class Time: 2:30 – 3:30 pm

Duration: 2 hours per week, 32 wks

Fee(s):

Full Tuition

Supply Fee

\$684.00

\$50

Description:

This class includes grammar, reading, and vocabulary. We read several novels during the year plus short stories and poetry. We will build skills in a variety of ways, including written exercises, games, discussions, group activities, and creative demonstrations of knowledge.

The following is a TENTATIVE and partial list of novels for 2019-2020. (You do not need to purchase these since I will have a classroom set.)

- *Out of the Dust* by Karen Hesse
- *Inside Out and Back Again* by Thanhha Lai
- *The True Confessions of Charlotte Doyle* by Avi
- *Tuck Everlasting* by Natalie Babbitt.

NOTE: Students can take this course for up to 3 years. The textbooks, vocabulary, and literature will not be the same from one year to the next.

Prerequisites: None

Homework: Students can expect to spend 1–4 hours per week, depending on student pace.

Class Materials: Vocab will be taken from novels we read. Grammar textbook: Easy Grammar Grade 6 Workbook ISBN: 978-0-936981-468.

3-ring binder devoted to this class only
Standard notebook paper
Pens/pencils
Colored pencils
Optional: laptop or other writing device

\$50 supply fee for instructor to provide materials throughout the year. I will provide a classroom set of the novels we read so that we can all use the same edition. If a student wants to keep a particular book, he can buy it from me for \$5.

Payment Options:

1. Full tuition of \$684.00 is due at time of registration.
2. Monthly payments of \$76. The May month tuition is due at time of registration. Subsequent monthly payments of \$76 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.

Middle School English B

Teacher: Julie Poe

Grades: 7, 8

Class Schedule: Monday/Wednesday

Class Time: 3:30 – 4:30 pm

Duration: 2 hours per week, 32 wks

Fee(s):

Full Tuition

Supply Fee

\$684.00

\$50

Description:

This class includes grammar, reading, and vocabulary. We read several novels during the year plus short stories and poetry. We will build skills in a variety of ways, including written exercises, games, discussions, group activities, and creative demonstrations of knowledge.

The following is a TENTATIVE and partial list of novels for 2019-2020. (You do not need to purchase these since I will have a classroom set.)

- *The Outsiders* by S.E. Hinton
- *The Case of the Missing Marquess* by Nancy Springer
- *The Westing Game* by Ellen Raskin
- *The Graveyard Book* by Neil Gaiman
- *Flowers for Algernon* by Daniel Keyes

NOTE: Students can take this course for multiple years. The textbooks, vocabulary, and literature will not be the same from one year to the next.

Prerequisites: None

Homework: Students can expect to spend 1–4 hours per week, depending on student pace.

Class Materials: Vocab will come from novels we read, but here is the grammar: Easy Grammar Ultimate Series: 180 Daily Teaching Lessons--Grade 8 Student Workbook ISBN: 978-0-936981-628

3-ring binder devoted to this class only
Standard notebook paper
Pens/pencils
Colored pencils
Optional: laptop or other writing device

\$50 supply fee for instructor to provide materials throughout the year. I will provide a classroom set of the novels we read so that we can all use the same edition. If a student wants to keep a particular book, he can buy it from me for \$5.

Payment Options:

1. Full tuition of \$684.00 is due at time of registration.
2. Monthly payments of \$76. The May month tuition is due at time of registration. Subsequent monthly payments of \$76 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.

Middle School Writing

Teacher: Julie Poe

Grades: 6, 7, 8

Class Schedule: Monday/Wednesday

Class Time: 9:30 – 10:45 am

Duration: 2.5 hours per week, 32 wks

Fee(s):

Full Tuition

Supply Fee

\$720.00

\$0

Description:

We will do all kinds of exercises and activities to explore our voices and to improve our mechanics and style. This class will include some work on spelling.

We will actually be writing often during the class period, so students are encouraged to bring a laptop or other device to class to do their writing.

Prerequisites:

None

Homework:

Students can expect to spend 1–2 hours per week.

Class Materials:

3-ring binder devoted to this class only
Standard notebook paper
Pens/pencils
Colored pencils
Optional: laptop or other writing device

Textbook: *100 Words Every Middle Schooler Should Know* (American Heritage Dictionary) ISBN: 978-0-547333-229.

Payment Options:

1. Full tuition of \$720.00 is due at time of registration.
2. Monthly payments of \$80. The May month tuition is due at time of registration. Subsequent monthly payments of \$80 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.

Yoga & Creative Writing

Teacher: Mary Kimble-Hellen

Grades: 6, 7, 8, 9

Class Schedule: Monday Only

Class Time: 9:30 - 10:45 am

Duration: 1.25 hours per week, 32 wks

Fee(s):

Full Tuition

Supply Fee

\$630.00

\$20

Description:

This course offers basic instruction in the study of yoga asana and breathing practices. The student will have opportunities to express himself or herself and find joy through movement. Students will be exposed to writing from a prompt, free form writing, poetry, and personal narrative.

Creative writing will enhance students' observation skills and self-confidence. When wandering imaginations and yoga come together, the student will find themselves in the perfect flow to write. Writing tends to be a head activity, and yoga one of the body, but both can be whole-body experiences with remarkable results. Yoga can be a way to bring energy to the page. Through yoga you find breath and through writing you give your breath voice. Pairing writing exercises with physical yoga poses leads to insights and inspirations that make writing fierce and original.

Format: Approximately 30 minutes guided yoga practice, 20 minutes writing, 25 minutes student reading and discussion. A final group writing exercise completes the class. Weekly reading and writing exercises will be explained.

Dress: Loose clothing suitable for flexible movement. No skirts or dresses.

Prerequisites: None

Homework: Complete weekly reading and writing exercises. Every 6 weeks students will have 7-10 minutes to present one of their favorite writing samples, which could be a response paper, illustrated poem, essay, or reflection.

Creative Writing Final Exam will be a collection of 10 typed writing samples and illustrations from their journals, creatively organized in a portfolio for easy viewing.

Additionally, each student will take turns facilitating an individualized yoga class as a final exam in yoga.

Class Materials: Yoga mat and blanket. The instructor will provide additional props.
Bound Composition Journal
Colored pencils, pencils, pens,
Portfolio for final exam

Payment Options:

1. Full tuition of \$630.00 is due at time of registration.
2. Monthly payments of \$70. The May month tuition is due at time of registration. Subsequent monthly payments of \$70 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.

Foreign Language

American Sign Language

Teacher: Ariel Higginbotham

Grades: 6, 7, 8, 9, 10, 11, 12

Class Schedule: Wednesday Only

Class Time: 1:00 – 2:15 pm

Duration: 1.25 hours per week, 32 weeks

Fee(s):	Full Tuition	Supply Fee
	\$720.00	\$10

Description: American Sign Language is an amazing and beautiful language. It is the 3rd most used language in the United States, and is a great way to communicate with friends and family when you aren't allowed to use your voice!!

Students will be learning vocabulary and grammar of American Sign Language. We will also be learning about the history of this fascinating language and Deaf Culture.

Prerequisites: An eager heart for learning a new and fun language!

Homework: Students will have homework assignments which will involve a variation of videos and practicing the vocabulary for the week.

Class Materials: Folder, notebook paper, pencil, and your hands!
Master ASL! Level One DVD (\$30) (<http://store.signmedia.com/1711.html>)

Payment Options:

1. Full tuition of \$720.00 is due at time of registration.
2. Monthly payments of \$80. The May month tuition is due at time of registration. Subsequent monthly payments of \$80 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.

Middle School Spanish

Teacher: Julie Poe

Grades: 6, 7, 8

Class Schedule: Monday/Wednesday

Class Time: 11:00 – 12:15 pm

Duration: 2.5 hours per week, 32 wks

Fee(s):

Full Tuition

Supply Fee

\$720.00

\$50

Description: This class is designed for students who have little or no experience with Spanish. Above all, we are going to have fun discovering this beautiful language. We will also enjoy some of the culture (especially food!) of several Spanish-speaking countries.

Prerequisites: None

Homework: Students can expect to spend 1-2 hours per week.

Class Materials: 3-ring binder devoted to this class only
Notebook paper
Pens/pencils
Colored pencils
Internet access at home for homework assignments

No textbook is required.

The supply fee of \$50 allows the teacher to provide resources and materials.

Payment Options:

3. Full tuition of \$720.00 is due at time of registration.
4. Monthly payments of \$80. The May month tuition is due at time of registration. Subsequent monthly payments of \$80 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.

Spanish 1

Teacher: Julie Poe

Grades: 9, 10, 11, 12

Class Schedule: Tuesday/Thursday

Class Time: 9:30 – 10:45 am

Duration: 2.5 hours per week, 32 wks

Fee(s):

Full Tuition

Supply Fee

\$720.00

\$50

Description: Spanish 1 is designed for students who have little or no experience with Spanish. We will cover the vocabulary and structures that are used most often and those that my students most want to learn. We will learn proper pronunciation, present tense verbs, pronouns, definite and indefinite articles, and gender agreement. We will also enjoy some of the culture of several Spanish-speaking countries. This is a highly interactive class. For a better understanding of my approach to teaching Spanish, you might look into these two approaches: Comprehensible Input and TPRS (Teaching Proficiency through Reading and Storytelling).

Prerequisites: None

Homework: Students can expect to spend 1-3 hours per week.

Class Materials: 3-ring binder devoted to this class only
Notebook paper
Pens/pencils
Colored pencils
Internet access at home for homework assignments

No textbook is required.

The supply fee of \$50 allows the teacher to provide resources and materials.

Payment Options:

1. Full tuition of \$720.00 due at time of registration.
 2. Monthly payments of \$80. First month is due at time of registration. Subsequent monthly payments of \$80 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.
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Spanish 2

Teacher: Julie Poe

Grades: 9, 10, 11, 12

Class Schedule: Tuesday/Thursday

Class Time: 11:00 - 12:15 pm

Duration: 2.5 hours per week, 32 wks

Fee(s):

Full Tuition

Supply Fee

\$720.00

\$50

Description:

Spanish 2 begins with a review of Spanish 1 grammar with increasing opportunities to use the language through speaking, writing, reading and listening. Students will learn new vocabulary and grammar through comprehensive input. In particular, Spanish 2 emphasizes the preterit and imperfect tenses. We will also enjoy some of the culture of several Spanish-speaking countries. This is a highly interactive class. For a better understanding of my approach to teaching Spanish, you might look into these two approaches: Comprehensible Input and TPRS (Teaching Proficiency through Reading and Storytelling).

Prerequisites:

Spanish 1

Homework:

Students can expect to spend 1-3 hours per week.

Class Materials:

3-ring binder devoted to this class only
Notebook paper
Pens/pencils
Colored pencils
Internet access at home for homework assignments

No textbook is required.

The supply fee of \$50 allows the teacher to provide resources and materials.

Payment Options:

1. Full tuition of \$720.00 due at time of registration.
 2. Monthly payments of \$80. First month is due at time of registration. Subsequent monthly payments of \$80 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.
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Social Studies

American History

Teacher: Collin Eye

Grades: 9, 10, 11, 12

Class Schedule: Tuesday/Thursday

Class Time: 3:30 – 4:30 pm

Duration: 2 hours per week, 32 wks

Fee(s):

Full Tuition

Supply Fee

\$756.00

\$10

Description:

What is America? The culmination of the European Enlightenment, a nation of immigrants, a new world empire, the center of innovation and discovery, the land of the free? The question has a different answer depending on who you asked, and when. In this class we study the history that's shaped these ideas, from discovery,

colonization, and Revolution, to Civil War and Reconstruction, to World War I and Prohibition, to Great Depression and World War II, to Cold War and the Digital Age.

In this class, American History is a problem to unravel, a case to be solved. Each week students are given a series of topics and questions, then go about researching that material, and present their findings in class the following week. Students learn to thoroughly research various topics on their own, and to form a whole picture from various scraps of sometimes-contradictory accounts. Students will present their research to the class in weekly discussions where we'll discuss the discovered material and the research methods used to find it.

Students learn how to effectively search the Internet and the library for first-hand accounts, primary documents, reliable sources, and diverse perspectives.

Completion of this course fulfills a History credit required for high school.

Prerequisites: None

Homework: Students can expect to spend 1-3 hours per week.

Class Materials: 3-ring binder devoted to this class only
Notebook paper
Pens/pencils
Colored pencils
Internet access at home for homework assignments

No textbook is required.

Payment Options:

1. Full tuition of \$756.00 is due at time of registration.
2. Monthly payments of \$84. The May month tuition is due at time of registration. Subsequent monthly payments of \$84 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.

Government/High School Civics

Teacher: Ian Seamans

Grades: 9, 10, 11, 12

Class Schedule: Thursday Only

Class Time: 3:00 – 4:30 pm

Duration: 1.5 hours per week, 32 wks

Fee(s):

Full Tuition

Supply Fee

\$585.00

\$10

Description:

This class prepares students to be informed adults and active participants in their community. In this class students will learn about the federal government, the Texas government, the court system, international organizations, information/internet literacy, how to be an active citizen, and more.

In our journey through these topics we will learn some economics, history, philosophy, and law.

We will use in-class discussions and debates, mock trials, work-sheets, presentations, and projects in class, and textbook reading out of class in order to engage students and avoid long lectures.

Prerequisites: None

Homework: Students can expect to spend 1-2 hour per week.

Class Materials: Laptop, tablet, or smartphone
Home internet access
Three-ring binder
Writing utensils.
Laptops can be supplied on request.

Textbook: iCivics, a free online textbook founded by Supreme Court Justice Sandra Day O'Connor

Payment Options:

1. Full tuition of \$585.00 due at time of registration.

2. Monthly payments of \$65. The May month tuition is due at time of registration. Subsequent monthly payments of \$65 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.

High School World History

Teacher: Anne Roberts

Grades: 9, 10, 11, 12

Class Schedule: Tuesday/Thursday

Class Time: 1:00 – 2:15 pm

Duration: 2.5 hours per week, 32 wks

Fee(s):

Full Tuition

Supply Fee

\$720.00

\$35

Description:

This course begins with an examination of the earliest nomads, then moves to Ancient Egypt and the Mesopotamian city-states of Sumer in the Near East, follows the Ancient Greeks as they develop political and philosophical frameworks, surveys the ideas that underpin the Middle Ages and lead to intellectual flowering of the Renaissance, and then considers these threads as they continue to expand into the Modern Era.

To round out our understanding of these foundational historical moments, we will read directly from primary sources so that at each step of the way we can see what ancient, medieval, and modern people all said about each other, about themselves, and about the world in which they lived. By the end of this course you will be able to historically situate and comfortably discuss some of the most famous classical texts ever written.

Reading for this course includes a textbook and a course reader with brief excerpts from texts such as: The Epic of Gilgamesh, Homer's Iliad and Odyssey, Virgil's Aeneid, as well as writings by: Plato, Aristotle, Ovid, Chaucer, Dante, Miguel de Cervantes, Rene Descartes, Henry David Thoreau, Jean Jacques Rousseau, Virginia Woolf, and others.

Completion of this course fulfills the World History requirement for High School.

Prerequisites:

None

Homework:

Students can expect to spend 2-5 hours per week.

Class Materials:

There will be a course reader passed out at the first class with selections from other sources.
Pens/pencils
Notebooks or paper (or laptop or tablet) for note taking

Textbooks:

- 1) The Story of Mankind by Hendrik Willem van Loon*
- 2) The Way of the World by David Fromkin

*This is a reprint of a text in the public domain and not all copies have the same pagination and formatting. For this class, please make sure to buy the paperback version from Digireads.com; III edition (January 1, 2010) for sale on Amazon (\$12.99).

Payment Options:

1. Full tuition of \$720.00 is due at time of registration.
2. Monthly payments of \$80. The May month tuition is due at time of registration. Subsequent monthly payments of \$80 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.

Middle School World Geography

Teacher: Julie Poe

Grades: 6, 7, 8

Class Schedule: Monday/Wednesday

Class Time: 1:15 - 2:15 pm

Duration: 2 hours per week, 32 wks

Fee(s):

Full Tuition

Supply Fee

\$684.00

\$50

Description: In this class, as in most geography classes, we use maps, books, and the Internet to gain more information about this world where we all reside.

I believe we learn best when we use as many of our senses as possible. We will taste foods, listen to music, hear stories, make things with our hands and learn a few words and phrases in other languages.

Prerequisites: None

Homework: Students can expect to spend 1 hour per week.

Class Materials: 3-ring binder devoted to this class only
Notebook paper
Pens/pencils
Colored pencils

Students also need access to a current atlas or the Internet for completing assignments. For example: National Geographic Student World Atlas, 4th edition, ISBN-13: 978-1-426-317751

The supply fee of \$50 allows the teacher to provide resources and materials.

Payment Options:

1. Full tuition of \$684.00 is due at time of registration.
2. Monthly payments of \$76. The May month tuition is due at time of registration. Subsequent monthly payments of \$76 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.

Middle School World History

Teacher: Anne Roberts

Grades: 6, 7, 8

Class Schedule: Monday/Wednesday

Class Time: 1:00 – 2:15 pm

Duration: 2.5 hours per week, 32 wks

Fee(s):	Full Tuition	Supply Fee
	\$720.00	\$35

Description: This course begins with an examination of the earliest nomads, then moves to Ancient Egypt and the Mesopotamian city-states of Sumer in the Near East, follows the Ancient Greeks as they develop political and philosophical frameworks, surveys the ideas that underpin the Middle Ages and lead to intellectual flowering of the Renaissance, and then considers these threads as they continue to expand into the Modern Era.

To round out our understanding of these foundational historical moments, we will read directly from primary sources so that at each step of the way we can see what ancient, medieval, and modern people all said about each other, about themselves, and about the world in which they lived. By the end of this course you will be able to historically situate and comfortably discuss some of the most famous classical texts ever written.

Reading for this course includes a textbook and a course reader with brief excerpts from texts such as: The Epic of Gilgamesh, Homer's Iliad and Odyssey, Virgil's Aeneid, as well as writings by: Plato, Aristotle, Ovid, Chaucer, Dante, Miguel de Cervantes, Rene Descartes, Henry David Thoreau, Jean Jacques Rousseau, Virginia Woolf, and others.

Prerequisites: None

Homework: Students can expect to spend 1-3 hours per week.

Class Materials: Pens/pencils
Notebooks or paper (or laptop or tablet) for note taking
There will be a course reader passed out at the first class with selections from other sources.

Textbook: The Story of Mankind by Hendrik Willem van Loon*

*This is a reprint of a text in the public domain and not all copies have the same pagination and formatting. For this class, please make sure to buy the paperback version from Digireads.com; III edition (January 1, 2010) for sale on Amazon (\$12.99).

Payment Options:

3. Full tuition of \$720.00 is due at time of registration.
 4. Monthly payments of \$80. The May month tuition is due at time of registration. Subsequent monthly payments of \$80 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.
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Texas History

Teacher: Mary Kimble-Hellen

Grades: 6, 7, 8

Class Schedule: Monday Only

Class Time: 11:00 – 12:15 pm

Duration: 1.25 hours per week, 32 wks

Fee(s):

Full Tuition

Supply Fee

\$675.00

\$20

Description:

The story of Texas is expansive, heroic, colorful, dramatic, electrifying, tragic, consequential, and noble. The list of adjectives is never-ending. Join us as we explore, historical facts, but also data interpretation, geographic diversities, and cultural heritage from Texas' ancient origins to the 21st century. Plenty of hands-on activities, supplemental websites, videos, biographical profiles, and field trip suggestions help bring to life and personalize students' experiences as they discover the rich history of this great state.

Prerequisites:

None

Homework:

Students can expect to spend 1-2 hours per week.

Class Materials:

Bound composition book
Colored pencils, pens, pencils
Notebook paper

Textbook:

Celebrating Texas: Honoring the Past, Building the Future; McDougal Littell; (Grades 6-8, Student Edition); ISBN-10: 0-0-618-15512-0 ISBN-13: 978-0-618-15512-5. Published by: McDougal Littell, Hardcover, 736 pages

Caution: Be careful to order the right textbook. Several books on the market have the title Celebrating Texas. Check the ISBN-13 number for the correct one! New and used textbooks are available online or at Home Educator's Resource in Lewisville.

Payment Options:

1. Full tuition of \$675.00 due at time of registration.
 2. Monthly payments of \$75. First month is due at time of registration. Subsequent monthly payments of \$75 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.
-

Electives

Computer Programming

Teacher: Collin Eye

Grades: 6, 7, 8, 9, 10, 11, 12

Class Schedule: Thursdays Only

Class Time: 2:15 – 3:30 pm

Duration: 1.25 hours per week, 32 wks

Fee(s):

Full Tuition

Supply Fee

\$702.00

\$0

Description:

Have you ever wondered how a computer works? We use computers every day, but for many they remain a black box, a magical device which can display images and video, play music and games, hold all our data and send it out over the Internet. If you learned how the magic behind this machine worked you could do anything imaginable! Fortunately, computers are not actually mysterious, in fact, they are quite simple; all they do is a bit of math and logic, which anyone can learn.

Our class focuses on learning how the parts of a computer work. Some of these parts you have heard about, Central Processing Unit (CPU), Random Access Memory (RAM), Storage (HardDrive); however, others may be totally new: register, cache, arithmetical-logic-unit, memory-management-unit. You learn how to manipulate these parts to do what you want them to by programming: the art of transforming data. We cover everything from the lowest level of how electricity flows thru the computer, to the highest level where we can speak to the computer in human-designed programming languages.

The first semester is focused on becoming familiar with a computer, and how we interact with it to write and run programs. The second semester moves on to building more advanced programs by interfacing with the operating system and drawing 2D graphics to the screen.

You will learn about:

- The C programming language
- The logic implemented in circuits and how we use it to move and transform data.
- Data structures, how we organize and think about data in the computer's memory.
- How to think about problems mathematically, and represent processes in an algorithmic way.

Some example projects:

- Simple games such as tic-tac-toe, rock-paper-scissors, connect4
- Random number generators
- Text adventures
- Sentence, image, and music generators
- Conway's Game of Life
- 2D video games!

Students will have access to video lectures which cover the topics. Class time will be spent asking questions, experimenting with computers, discussing ideas with classmates, and showing off projects. There will be weekly assignments which students are expected to be to complete before class.

Prerequisites:

None

Homework:

Students can expect to spend 1-3 hours per week.

Class Materials:

Every student is expected to have a dedicated computer on which they can program. I recommend the Raspberry Pi 3, as they're much cheaper than other computers, and are easy to experiment with. In addition to the computer they'll also need a monitor, keyboard, and mouse.

Payment Options:

1. Full tuition of \$702.00 is due at time of registration.
2. Monthly payments of \$78. The May month tuition is due at time of registration. Subsequent monthly payments of \$78 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.

Critical Thinking

Teacher: Laura Woolley

Grades: 6, 7, 8

Class Schedule: Wednesday Only

Class Time: 1:00 – 2:15 pm

Duration: 1.25 hours per week, 32 wks

Fee(s):

Full Tuition

Supply Fee

\$720.00

\$0

Description:

This class helps students to strengthen their ability to critically examine ideas, philosophies, and current events by learning about the many types of fallacious arguments and how to spot them. When students learn about how often these arguments are used in daily life, from their peers to the most influential and powerful people in our society, they begin to use and develop higher-order thinking skills. These new skills facilitate their ability to evaluate what they hear as well as what they think and say.

Students learn how to:

- Recognize simple forms of argument
- Identify logical fallacies in oral arguments and all forms of media presentation
- Determine common propaganda techniques used in advertising, politics and other media

Critical thinking is a skill that must be practiced in order to develop effectively. Class discussion is essential in helping to develop this skill. Students learn to think critically by expressing their opinions and hearing rebuttals from their classmates, plus listening to the discussions among their classmates.

Prerequisites: None

Homework: Students can expect to spend 1-3 hours per week.

Class Materials: 1 1/2" binder
Lined paper
A set of 5 dividers
Index cards
2 pencils

Textbook: *The Art of Argument: An Introduction to the Informal Fallacies* by Aaron Larsen and Joelle Hodge, ISBN-10: 1-600-51018-3 ISBN-13: 978-1-60051-018-2
Publisher: Classical Academic Press; Student Edition (January 1, 2010), 247 pages.

NOTE: Each student needs to bring with them on the first day of class the class materials listed below and a NEW copy of the textbook. The textbook has consumable exercises.

Payment Options:

1. Full tuition of \$720.00 is due at time of registration.
2. Monthly payments of \$80. The May month tuition is due at time of registration. Subsequent monthly payments of \$80 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.

Game Studies/Ludology

Teacher: Collin Eye

Grades: 7, 8, 9, 10, 11, 12

Class Schedule: Tuesday Only

Class Time: 2:15 – 3:30 pm

Duration: 1.25 hour per week, 32 wks

Fee(s):

Full Tuition

Supply Fee

\$612.00

\$0

Description:

This class can serve as a high school elective, or a humanities credit.

Games such as Chess and Go have been with us for ages, but computers have given games a new expressive ability to explore ideas and tell stories only possible in an interactive medium. It's important to think critically about any media we consume, and while we have a rich history of doing this with literature, art, music, and film, far too little thought is put into how and what video games communicate.

We play and discuss several genres of games, each type offering unique perspectives:

Games that

- * improve problem solving and critical thinking,
- * present thought experiments about how time and space behave
- * foster a sense of empathy by taking on other roles in life
- * allow experimenting with the consequences of one's actions
- * require planning and strategic thinking
- * explore themes of choice and fate

Students will do "close readings" of games and analyze how the game communicates ideas thru the mechanics of play. We will play and discuss games in class, and there will be weekly assignments of videos, lectures, or writings on games. Students will also write several analysis papers on these games.

Prerequisites: None

Homework: 1-3 hours since they'll have some writing/reading/watching assignments.

Class Materials: None

Payment Options:

1. Full tuition of \$612.00 is due at time of registration.
2. Monthly payments of \$68. The May month tuition is due at time of registration. Subsequent monthly payments of \$68 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.

Introduction to Formal Logic

Teacher: Laura Woolley

Grades: 7, 8

Class Schedule: Monday/Wednesday

Class Time: 9:30 – 10:45 am

Duration: 2.5 hours per week, 32 wks

Fee(s):	Full Tuition	Supply Fee
	\$720.00	\$0

Description: After providing an introductory overview of logic fundamentals, students will study propositions and their relationships. Students translate statements from ordinary language to categorical syllogism and test these arguments for validity. Concepts are cumulatively mastered, each new idea requiring the student to employ concepts from previous lessons. Students also learn about the importance of using clear, precise, and purposeful terms in their assertions and arguments. Understanding the role language plays in all arguments is essential. Defining terms is a must when practicing logic!

Some of the concepts covered include:

- Formal vs. informal logic
- Deductive vs. inductive reasoning
- Categorical vs. propositional logic
- The Three Acts of the Mind
- Relationships of Opposition
- Relationships of Equivalence
- Syllogisms
- Defining terms

The skills gained in this class help students to more fully evaluate information encountered in higher-level education. Additionally, they should be able to draw their own conclusions, rooted in the basic understanding of what constitutes a valid argument and what does not.

Prerequisites: None

Homework: Students can expect to spend 1-3 hours per week.

Class Materials: 1 1/2" binder
Lined paper
A set of 5 dividers
Index cards
2 pencils

Textbook: *Discovery of Deduction: An Introduction to Formal Logic* ISBN-10: 1600510337 / ISBN-13: 978-1600510335

NOTE: Each student needs to bring with them on the first day of class the class materials listed below and a NEW copy of the textbook. The textbook has consumable exercises.

Payment Options:

1. Full tuition of \$720.00 due at time of registration.
2. Monthly payments of \$80. First month is due at time of registration. Subsequent monthly payments of \$80 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.

LEGO Mechanisms

Teacher: Laura Woolley

Grades: 6, 7, 8

Class Schedule: Mondays Only

Class Time: 1:00 – 2:30 pm

Duration: 1.5 hours per week, 32 wks

Fee(s):

Full Tuition

Supply Fee

\$900.00

\$0 - supply fee is included in tuition

Description:

Students learn how to build machines and mechanisms using the LEGO® Technic system and the LEGO Power Functions motors and accessories. Learn the foundations of LEGO® Technic building, from simple machines to advanced mechanics. Gain unique insight into mechanical principles like torque, power translation and gear ratios. LEGO mechanisms can work as building blocks to create more complex creations.

Students learn how to:

- Create sturdy connections that can withstand serious stress.
- Build solutions like Schmidt and Oldham couplings
- Learn how to employ simple ideas such as cam mechanisms, ratchets, and basic four-wheel drive to make larger, more complex machines

With the knowledge gained in this class, students can apply these foundations to any number of simple machines, wheeled vehicles, and creative contraptions using LEGO® Technic and LEGO Power Functions!

Prerequisites:

None

Homework:

None

Class Materials:

None. All supplies and materials are provided by the teacher.

Payment Options:

1. Full tuition of \$900.00 is due at time of registration.
2. Monthly payments of \$100. The May month tuition is due at time of registration. Subsequent monthly payments of \$100 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.

Online Computer Programming

Teacher: Collin Eye

Grades: 6, 7, 8, 9, 10, 11, 12

Class Schedule: self-paced

Class Time: self-paced

Duration: self-paced, 32 weeks

Fee(s):

Full Tuition

Supply Fee

\$702.00

\$0

Description:

This course is one-on-one, online instruction in computer programming, catered to the experience level of each student. Whether you're completely new to programming, have experience with programming in languages other than C, or want to continue your programming education, this is the class for you. Programming is an art form, and like any art form, mastery requires self-discipline, practice, and a bit of guidance.

Have you ever wondered how a computer works? We use computers everyday, but for many they remain a black box, a magical device which can display images and video, play music and games, hold all our data and send it out over the Internet. If you learned how the magic behind this machine worked you could do anything imaginable! Fortunately, computers are not actually mysterious, in fact, they are quite simple; all they do is a bit of math and logic, which anyone can learn.

Our class focuses on learning how the parts of a computer work. Some of these parts you have heard about, Central Processing Unit (CPU), Random Access Memory (RAM), Storage (HardDrive); however others may be totally new: register, cache, arithmetical-logic-unit, memory-management-unit. You learn how to manipulate these parts to do what you want them to by programming: the art of transforming data. We cover everything from the lowest level of how electricity flows thru the computer, to the highest level where we can speak to the computer in human-designed programming languages.

You will learn about:

- The C programming language
- The logic implemented in circuits and how we use it to move and transform data.
- Data structures, how we organize and think about data in the computer's memory.
- How to think about problems mathematically, and represent processes in an algorithmic way.

Some sample projects include:

- Simple games such as tic-tac-toe, rock-paper-scissors, connect4
- Random number generators
- Text adventures
- Sentence, image, and music generators
- RNA-DNA translation and transcription
- Conway's Game of Life
- 2D video games!

Students will be able to email me with questions anytime, schedule video-conferencing, or request videos on particular subjects they're interested in. I encourage everyone to develop their own projects, and seek advice on how to achieve their goals. This allows you to always reach a little beyond your current ability, and learn how an experienced programmer confronts new challenges.

Prerequisites: None

Homework: Students can expect to spend 1-3 hours per week.

Class Materials: Every student is expected to have a dedicated computer on which they can program. I recommend the Raspberry Pi 3, as they're much cheaper than other computers, and are easy to experiment with. In addition to the computer they'll also need a monitor, storage (like an SD card), keyboard, and mouse.

Payment Options:

1. Full tuition of \$702.00 is due at time of registration.
2. Monthly payments of \$78. The May month tuition is due at time of registration. Subsequent monthly payments of \$78 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.

Passionate Entrepreneurship & Global Business Foundations

Teacher: Dr. Jonathan Hochberg

Grades: 6, 7, 8, 9, 10, 11, 12

Class Schedule: Tuesdays Only

Class Time: 1:00 – 2:15 pm

Duration: 1.25 hours per week, 32 wks

Fee(s):

Full Tuition

Supply Fee

\$720.00

\$10

Description:

In our school systems we are not doing enough to inspire, model and teach creativity and innovation to our children. **Youth who learn about passionate entrepreneurship and the 3P's (Profit, People & Planet) will have greater opportunities and success in the new global economy.** Many of today's traditional jobs will continue to be lost to the emerging giants of China and India. So, let's get started helping our teens to learn these skills by doing! I find most things in life are learned experientially. Student will learn with a step-by-step approach of how to become a successful entrepreneur by creating their own micro-business and including: How to dream/brainstorm a new business from their passions, how to write a mission and vision statement for an eco-friendly and socially conscious enterprise, how to learn and model from other successful entrepreneurs, how to find and access adult mentors, how to target markets for their products/services, and how to make a perfect pitch video. There will also be successful entrepreneurs as guest lecturers.

In today's complex global and uncertain environment, **innovation** is important to achieving business success. In this course, students will examine how to be an **effective creative leader** who can readily **apply imagination** to resolve complex problems. Additionally, students will explore methods to **establish a team environment conducive to creative thinking**. Students will gain a set of proven methods, skills, and strategies that enable innovative breakthroughs to occur in a much more deliberate and predictable manner. Topics include: an overview of the concepts of cross-cultural awareness, outsourcing, trade and investing overseas, global competition, global competition, emerging markets, and creative thinking styles. The second semester will focus on learning about the **complexities of globalization and global business and its impact on consumers, businesses and nations.**

Completion of this course fulfills an elective credit required for high school.

Prerequisites: None

Homework: Students can expect to spend 1-3 hours per week.

Class Materials: 3-ring binder devoted to this class only
Notebook paper
Pens/pencils

Colored pencils
Internet access at home for homework assignments

Textbooks for the fall semester: Screw It, Let's Do It: Lessons in Life (Quick Reads) by Sir Richard Branson and Steve Jobs by Walter Isaacson

Textbook for the spring semester: Hill, Charles W.L. *International Business: Competing in the Global Marketplace*. 5th ed. McGraw- Hill Irwin: New York, 2005. (You can buy this book used to save \$) http://www.amazon.com/International-Business-Competing-Global-Marketplace/dp/0072873957/ref=sr_1_1?s=books&ie=UTF8&qid=1427736018&sr=1-1&keywords=0072873957

Payment Options:

1. Full tuition of \$70.00 is due at time of registration.
2. Monthly payments of \$80. The May month tuition is due at time of registration. Subsequent monthly payments of \$80 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.

Robotics

Teacher: Laura Woolley

Grades: 7, 8, 9

Class Schedule: Wednesday Only

Class Time: 2:30 – 4:30 pm

Duration: 2 hours per week, 32 weeks

Fee(s):

Full Tuition

Supply Fee

\$990.00

\$0 – class supply fee is included in tuition

Description:

Robotics is a hands-on, lab-based course that introduces the basic concepts of robotics. Students focus on the construction and programming of robots. Course information is tied to lab experiments. Students work in groups to build and test increasingly more complex robots. Using a robotic design system as our platform eliminates the need to build parts from raw materials or the need to have access to a machine shop. Students are divided into groups to complete a variety of robot construction and programming activities.

In this course, students will:

- Explore different robotic applications
- Learn the basic components and building blocks of robots
- Develop robot design and fabrication skills
- Learn how to program robots using Arduino

Prerequisites: None

Homework: None

Class Materials: None. All supplies and materials are provided by the teacher.

Payment Options:

1. Full tuition of \$990.00 is due at time of registration.
2. Monthly payments of \$110. The May month tuition is due at time of registration. Subsequent monthly payments of \$110 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.

Speech and Debate

Teacher: Ian Seamans

Grades: 9,10,11,12

Class Schedule: Thursdays Only

Class Time: 1:00 – 3:00 pm

Duration: 2 hours per week, 32 weeks

Fee(s):

Full Tuition

Supply Fee

\$585.00

\$10

Description: This class fulfills the speech credit required for high school. Equally important, it prepares students for those many situations in careers, community service, college courses, and even high school classes where they will be expected to speak in front of people.

This class will focus equally on debate and public speaking. In-class debates will be held, and we will learn both the informal and formal rules of debate. We will also learn some of the principles of effective public speaking, analyze some great speeches, gain some tools to deal with anxiety, and practice impromptu speaking.

Prerequisites: None

Homework: Students can expect to spend 1-2 hour per week.

Class Materials: Laptop, tablet, or smartphone
Home internet access
Three-ring binder
Writing utensils.
Laptops can be supplied on request.

No textbook required
The supply fee of \$30 allows the instructor to provide resources and materials.

Payment Options:

1. Full tuition of \$585.00 due at time of registration.
2. Monthly payments of \$65. The May month tuition is due at time of registration. Subsequent monthly payments of \$65 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.

Fine Arts

Drawing & Painting Skills!

Teacher: Josephine Olsson Forsstroem

Grades: 6, 7, 8

Class Schedule: Monday/Wednesday

Class Time: 2:30 – 3:30 pm

Duration: 2 hours per week, 32 weeks

Fee(s):

Full Tuition

Supply Fee

\$540.00

\$40

Description: This class is for students seeking to refine their skills in drawing and painting.

We will explore different techniques in mediums such as watercolor, acrylics, oil painting, drawing and sketching; working from still life and photographs. Drawing inspiration from masters from the past as well as contemporary cutting edge artists.

Students can expect to create a portfolio of work where clear progression and variety of expression is displayed.

Please bring sketch pad and pencil set to every class, all other supplies will be provided.

Prerequisites: An interest in art!

Homework: Students can expect occasional homework

Class Materials: Sketch pad 8*10
Basic sketching pencil set
Eraser.

Payment Options:

1. Full tuition of \$540.00 is due at time of registration.
2. Monthly payments of \$60. The May month tuition is due at time of registration. Subsequent monthly payments of \$60 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.

Multimedia Art

Teacher: Josephine Olsson Forsstroem

Grades: 6, 7, 8

Class Schedule: Wednesday Only

Class Time: 9:30 – 10:45 am

Duration: 1.25 hours per week, 32 wks

Fee(s): **Full Tuition** **Supply Fee**

\$450.00 \$30

Description: Find your inner artist! Let's start with what interests YOU, and explore from there!

Students will explore different materials and art techniques to find and develop their own personal style. Drawing, painting and sculpting - sometimes all at once! Students will learn basic art methods, concepts and terms. We will discover artists from different time periods and cultures to draw inspiration from.

Please bring sketch pad and pencils to every class. I will provide all other supplies as needed.

Prerequisites: An inquisitive mind!

Homework: Students can expect occasional homework

Class Materials: Basic sketching pencil set
Eraser
Sketchbook: 8*10

Payment Options:

1. Full tuition of \$450.00 is due at time of registration.
2. Monthly payments of \$50. The May month tuition is due at time of registration. Subsequent monthly payments of \$50 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.

Physical Education

Yoga & Creative Writing

Teacher: Mary Kimble-Hellen

Grades: 6, 7, 8, 9

Class Schedule: Monday Only

Class Time: 9:30 - 10:45 am

Duration: 1.25 hours per week, 32 wks

Fee(s): **Full Tuition** **Supply Fee**

\$630.00 \$20

Description: This course offers basic instruction in the study of yoga asana and breathing practices. The student will have opportunities to express himself or herself and find joy through movement. Students will be exposed to writing from a prompt, free form writing, poetry, and personal narrative.

Creative writing will enhance students' observation skills and self- confidence. When wandering imaginations and yoga come together, the student will find themselves in the perfect flow to write. Writing tends to be a head activity, and yoga one of the body, but both can be whole-body experiences with remarkable results. Yoga can be a way to bring energy to the page. Through yoga you find breath and through writing you give your breath voice. Pairing writing exercises with physical yoga poses leads to insights and inspirations that make writing fierce and original.

Format: Approximately 30 minutes guided yoga practice, 20 minutes writing, 25 minutes student reading and discussion. A final group writing exercise completes the class. Weekly reading and writing exercises will be explained.

Dress: Loose clothing suitable for flexible movement. No skirts or dresses.

Prerequisites: None

Homework: A Complete weekly reading and writing exercises. Every 6 weeks students will have 7-10 minutes to present one of their favorite writing samples, which could be a response paper, illustrated poem, essay, or reflection.

Creative Writing Final Exam will be a collection of 10 typed writing samples and illustrations from their journals, creatively organized in a portfolio for easy viewing.

Additionally, each student will take turns facilitating an individualized yoga class as a final exam in yoga.

Class Materials: Yoga mat and blanket. The instructor will provide additional props.
Bound Composition Journal
Colored pencils, pencils, pens,
Portfolio for final exam

Payment Options:

1. Full tuition of \$630.00 is due at time of registration.
2. Monthly payments of \$70. The May month tuition is due at time of registration. Subsequent monthly payments of \$70 on 9/1, 10/1, 11/1, 12/1, 1/1, 2/1, 3/1, 4/1. No tuition is due in May. A 3% surcharge will be added to monthly payments.