

Gray Matter Fall 2018 - Course Catalog

Monday Only

Integrated Physics and Chemistry

Teacher: Courtney Edmonson

Grades: 7,8

Class Schedule: Monday Only

Class Time: 1:00 – 3:00 pm

Duration: 2 hours per week, 32 weeks

Fee(s):

Full Tuition

Supply Fee

\$702.00

\$0- included

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. You should take this course the year before you start your high school science classes.

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:

Text book: *Holt Science & Technology: Physical Science* © 2004 ISBN-13: **978-0-030-73168-6**

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

Payment Options:

1. Full tuition of \$702.00 due at time of registration.
2. Semester tuition of \$351 due at time of registration and second semester payment of \$351 due by January 15th
3. Monthly payments of \$78. First month 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.

Life Science

Teacher: Ian Seamans

Grades: 5, 6

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

\$0- included

Description:

Covers basic information about living organisms, ecology, the human body and evolution. We use hands-on activities and labs to explore scientific investigation, cells and cell activity, heredity and DNA, classification of organisms, the six kingdoms, all systems of the human body, radioactive dating, fossils, evolution, and dissection. (Your child can skip the dissections without penalty, if necessary.)

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:

Text book: *Holt Science & Technology: Life Science* © 2004 ISBN **978-0-030-73164-8** or 0-030-73164-X

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

Payment Options:

1. Full tuition of \$630.00 due at time of registration.
 2. Semester tuition of \$315 due at time of registration and second semester payment of \$315 due by January 15th
 3. Monthly payments of \$70. First month 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.
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Yoga & Creative Writing (Middle School)

Teacher: Karen Minzer

Grades: 6, 7, 8

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 systemized study of yoga asana and breathing practice. A brief survey in history of world literary traditions for contemplative writing will enhance students' observation skills and self-confidence. Writing exercises and literary readings will focus on details of images as metaphor for thought.

Format: 30 minutes guided yoga practice, 15 minutes writing, 30 minutes student reading and discussion. A final group writing exercise completes the class, recorded by Instructor. Assignments for reading and writing exercises precede each class.

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

Prerequisites: None

Homework: A monthly portfolio is delivered in packets of 7 pages of creative work generated in and out of class. Final Portfolio consists of 20 pages of revised and polished work, generated from class and out of class assignments. Additionally, each student will take turns facilitating an individualized yoga class as a final exam in yoga. One critical response paper.

Class Materials: Yoga mat *and* blanket. Additional props will be provided by instructor.
In class writing journal exclusive to this class. Device use acceptable for writing and reading.

Payment Options:

1. Full tuition of \$630.00 due at time of registration.
 2. Semester tuition of \$315 due at time of registration and second semester payment of \$315 due by January 15th
 3. Monthly payments of \$70. First month 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.
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Texas History

Teacher: Karen Minzer

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
	\$720.00	\$10

Description: The story of Texas is expansive, heroic, colorful, dramatic, tragic, consequential. The list of adjectives is never-ending. Join us as we explore historical facts, data interpretation, geographic and cultural heritage diversities from Texas' ancient origins to the 21st century.

Prerequisites: None

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

Class Materials: **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

Textbook: *The Buena Vista Dilemma: Whether to Become "Gringos"* Uranga, Jose
ISBN-10: 0595272614 ISBN-13: 978-0595272617
Published by: iUniverse, Inc. (May 7, 2003), Paper back, 156 pages

Bound composition book
Colored pencils
Pens, pencils
Notebook paper

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 \$720.00 due at time of registration.
2. Semester tuition of \$360 due at time of registration and second semester payment of \$360 due by January 15th
3. 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.

World History thru Art (Monday)

Teacher: Karen Minzer

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

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

\$720.00

\$10

Description:

This course combines an introduction to masterpieces of Art History and World History. Art monuments, from the Renaissance to the modern period, are presented alongside the development of European political theater and world-wide colonialization through 20th century wars. Works by Michelangelo, Rembrandt, the Impressionists, van Gogh, Picasso, and many other artists are combined with discussion in the context of their historical and social setting. Suitable for both Middle School and High School, as essay assignments are tailored to individualized interests. Laptop or ipad are suggested for notes.

Class format: Slide-illustrated lectures, student presentations and class discussion of textbooks.

Evaluations: Brief essay topics will be assigned to each students to share in class, based on their personal interests. Exams will consist of slide identifications, comparisons, brief essays explaining the significance of the artworks and events, multiple choice, short answer questions, and extra credit. Blue Book required.

Prerequisites: None

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

Class Materials: **Textbook:** Robert Strayer, *Ways of the World*, Vol. 2, 2nd Edition ISBN-13: 978-0312583491

Textbook: Cole, Bruce. *The Informed Eye: Understanding Masterpieces of Western Art*. Lanham, MD: Ivan R. Dee, 1999

Bound composition book
Blue Book
Colored pencils
Pens, pencils
Optional: Laptop or Tablet

NOTE: The 2nd Edition of this *Ways of the World* is much less expensive.

Payment Options:

1. Full tuition of \$720.00 due at time of registration.
2. Semester tuition of \$360 due at time of registration and second semester payment of \$360 due by January 15th
3. 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.

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.
- Re-create specialized LEGO® pieces like castings and u-joints
- build solutions like Schmidt and Oldham couplings, when no standard piece will do.
- 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 due at time of registration.
2. Semester tuition of \$450 due at time of registration and second semester payment of \$450 due by January 15th
3. Monthly payments of \$100. First month 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.

Middle School Public Speaking

Teacher: Julie Poe

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

\$450.00

\$30

Description:

This class is designed to prepare 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 a few or perhaps many people. My goal is for students to emerge from this class full of self-confidence.

This class does not involve competition and is not focused on debate. We will learn some of the principles of effective public speaking, analyze some great speeches, gain some tools to deal with anxiety, and have frequent opportunities for impromptu speaking.

- Prerequisites:** None
- Homework:** Students can expect to spend 1-2 hours per week.
- Class Materials:** Internet access at home to use many resources, including online videos.
A three-ring binder devoted only to this class
Notebook paper
Pens or pencils
Colored pencils
- No textbook required
Supply fee of \$30 allows the instructor to provide resources.

Payment Options:

1. Full tuition of \$450.00 due at time of registration.
2. Semester tuition of \$225 due at time of registration and second semester payment of \$225 due by January 15th
3. Monthly payments of \$50. First month 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.

Pop, Punk, Urban and Cool Contemporary Art!

Teacher: Mandy Olson

Grades: 6, 7, 8,

Class Schedule: Monday Only

Class Time: 2:45 – 4:00 pm

Duration: 1.25 hours per week, 32 wks

<u>Fee(s):</u>	<u>Full Tuition</u>	<u>Supply Fee</u>
	\$450.00	\$10

Description: This isn't your grandma's art class! Learn about artists who create comic book art, urban vinyl, graffiti art, pop art, geometric art, abstract art and more! Students will learn important terms and concepts as well as creating their own totally awesome works of art! Students are welcome to wear a smock, if desired. Please bring drawing supplies to every class. Painting supplies will be requested when needed. Some supplies may need to be replenished throughout the course.

All other supplies will be provided.

Prerequisites: None

Homework: Students can expect occasional homework

Class Materials: Gouache paint set
Basic paint brush set (should include wash and round brush)
Paint palette
Water cup/tub
Colored pencils
Fineliner pen (like a micron pen), black
Sketching pencil set
Ruler
Scissors
Mixed Media pad: 11x14
Sketchbook: 9x12
Canvas: 16x20 or 12x24

Payment Options:

1. Full tuition of \$450.00 due at time of registration.
2. Semester tuition of \$225 due at time of registration and second semester payment of \$225 due by January 15th
3. Monthly payments of \$50. First month 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.