

Homeschool Connections Rochester

Fall 2009 Class Descriptions

Session Dates: Sept. 15, 22, 29 Oct. 6, 13, 20, 27, Nov. 3, 10, 17 (Dec. 1 make-up date)

9:00-9:55 ~ 60 Min.

9:00-9:55 Gr. 1-3 Fun With Physics *Jammband* **\$79 + \$15 = \$94**
A1FWP **Locations: Rochester, Oxford, Flint**

In this class, students will experience the fun side of physics. They'll conduct crazy experiments and complete hands on projects designed to teach the role that Newton's Laws play in our daily life.

9:00-9:55 Gr. 4-7 Come Write With Us! *Emily Nightingale* **\$79 + \$3 = \$82**
A2CW **Locations: Rochester**

Come write with us! In this class, students work on improving the basics of writing. We will learn the skills needed to combine sentences, to write good topic sentences, to expand paragraphs, and to write various kinds of paragraphs. Students will also learn the necessary skills for combining paragraphs into stories, compositions, and letters.

9:00-9:55 Gr. 4-7 Take It Apart ~ How Does It Work? *Gary Holcomb* **\$79 + \$10 = \$89**
A2T1A **Locations: Rochester**

This class is designed for inquisitive students who are interested in how and why machines work as they do. As students take apart broken or old machines and seek to repair them, they will consider the electrical and mechanical processes that make them run. Students are encouraged to bring in broken or old machines from home. Some examples include vacuum cleaners, toaster ovens, and lamps with broken switches and/or frayed cords.

9:00-9:55 Gr. 3-6 Big Art -Seeing The World Up Close *Jackie Eberle* **\$79 + \$15 = \$94**
A2BA **Locations: Rochester, Oxford**

The students will study three large projects throughout the 10 weeks. We will begin with a poster-sized animal pencil drawing, followed by a foam board painting. This painting will teach students how to design and complete all the steps to mural painting. Students may bring in their design from a favorite coloring book or design their own drawing that can be enlarged, transferred, and painted on an approx. 30x40 inch surface. We will conclude this session with a stand-up wood Christmas project that will be painted using acrylic paint.

9:00-9:55 Gr. 6-8 Intro to Languages *Judy Rector* **\$79 + \$5 = \$84**
A3IL **Locations: Rochester, Oxford, Flint**

Students will have a blast as they learn the essentials of foreign language, including light conversation and sentence structure, numbers, days of the week and colors included. While learning the language students will also explore the culture. Course split: five weeks of French and five weeks of Spanish instruction.

9:00-9:55 Gr. 3-8 Let's Play Tennis for Beginners *Coach Bill McGarry* **\$79**
A3T **Locations: Rochester**

Learn to play tennis from a pro who loves to teach both children and adults. Coach McGarry has been playing tennis all of his life and is a highly respected coach. Kids love their time with the Coach! Bring a racket if you have one, but if you don't Coach McGarry will help you know what size to get and will have a few to use for the first class.

9:00-9:55 Gr. 7-12 Grammar ~ The Shurley Method* (Part 1) Lisa Houck \$79
A4GR Locations: Rochester

Through catchy jingles, Shurley Grammar uses a series of question and answer patterns teach the various roles that words can play in sentences. In this class, the 7th grade Shurley curriculum is required as we will work through the book. This class will move quickly and a basic knowledge of grammar is required. If you compare Shurley's scope and sequence with other curriculum such as Bob Jones, you will see that 7th grade covers all of the grammar of high school. This and samples of the curriculum can be found at www.shurley.com Weekly homework assignments are required, covering most of the grammar assignments (writing assignments are up to the parent). Students will be expected to come to class with assignments completed and corrected. Depending on how quickly students pick up the patterns, our goal is to learn/review patterns 1-7. The second semester would review the patterns, then continue on to classifying adjective and adverb prepositional phrases, verbs (gerunds, infinitives, participles), then if time allows, clauses (adjective, adverb, nouns). Student book required; teacher book and CD strongly suggested.

9:00-9:30 Study Hall gr. 3-12 \$15**
A1SH

9:30-9:55 Study Hall gr. 3-12 \$15**
A2SH

9:00-10:25 ~ 90 Minutes

9:00-10:25 Gr. 5-8 Lego Robotics I Computer Explorers \$155 + \$5 = \$160
B2LR Locations: Rochester, Oxford

Students work to build robots that are similar in concept to those used to explore other planets. Students will become scientists to help their ship-wrecked friends and will work together in teams to build and program two robots to explore the alien planet safely. Once the building of the robots is complete, students will use the computer to program them to respond to touch, light or programmed commands. Students use mathematics, science & technology to complete challenging missions.

9:00-10:25 Gr. 6-8 Public Speaking and Communication~Say What You Mean Lynn Fote \$119
B3PS Locations: Rochester,

We will be laying the foundation for good communication skills including "speaking at the podium", listening and persuasion. Games, exercises and short public speaking assignments (1-5 minutes) will give students confidence through learning and practice of the skill that affects all other areas of life—communicating! No text required.

9:00-10:25 Gr. 9-12 Biology for the High Schooler* (Part 1) Leslie Schonfeld \$119+\$20=\$139
B4B Locations: Rochester, Oxford

Required Text Book: Apologia's *Exploring Creation with Biology*, 2nd Edition textbook set (textbook, test & solutions manual).

This 26 week college-preparatory high school biology course provides a general survey of the five kingdoms. It covers the following topics: classification, the definition of life, features of the organisms in each kingdom, an introduction to biochemistry, cell structure and function, cellular reproduction, DNA, protein synthesis, cellular respiration, and genetics. Also included is a full lab experience in which students perform experiments adapted from the book as well as additional experiments which reinforce the concepts they are learning. Students are expected to read the chapters and complete the Review Questions before going to class. This class closely follows a syllabus so that the students always know what is expected of them. Students will be required to complete assignments each week. Tests will be

taken at home monitored by parents. Class time will be devoted to lecture, activities and labs. This is part one of a three part course.

9:00-10:25 Gr. 8-12 Spanish 1*(Part 1) *Sheri Neufang* **\$119**
B4S **Locations: Rochester**

No previous experience is necessary. This course is designed to give your child a basic knowledge of Spanish through listening, speaking, reading and writing activities. The class time will be devoted to learning and using grammatical concepts and vocabulary to speak and write. Spanish I will offer entry level grammar instruction to help your child learn to communicate in Spanish in everyday situations. Required Text book: Churros y Chocolate.

9:00-10:25 Gr. 9-12 Writing a Research Paper * *Karen Boniface* **\$119**
B4RP **Locations: Rochester, Oxford**

This one-semester, high-school-level class walks students through the steps of writing a successful research paper on a topic of their choice. It covers concepts like choosing a topic, finding and evaluating sources, taking notes, outlining, drafting, avoiding plagiarism, using proper citation and bibliographic form, and revising and editing the final draft. Students will be required to use their public library and the internet and work at home to complete a final paper, which must be typed. A textbook and supplies are also required (text to be determined, \$10-20 payable to the teacher). Grades will be given based on preparation and participation in class, timely completion of assignments and steps in the research process, and quality of the final paper.

9:00-10:25 Gr. 9-12 Geometry – Harold Jacobs* (Part 1) *Leah Potoczak* **\$119**
B4G **Locations: Rochester**

"Harold Jacobs's *Geometry* created a revolution in the approach to teaching this subject. It uses innovative discussions, cartoons, anecdotes, examples, and exercises that unflinchingly capture and hold student interest. The approach focuses on guided discovery to help students develop geometric intuition." A structured high school geometry class using the second edition text, Geometry by Harold Jacobs, required text. Daily homework required.

9:00-10:25 Gr. 8-12 Money: Rules of Engagement ~ Personal Finance and Investment 101
B4M **Locations: Rochester, Oxford** *Brian Narloch* **\$119**

Your child will soon be living on their own and making their own decisions about how to spend their money. Give them the tools they need to deal with money wisely. Review what God says about money using Dave Ramsey's *Generation Change* material. Expected Impact: "We're raising a generation that spends money they don't have to buy things they don't need to impress people they don't even like! It's time for a change! Four major areas: The Value of You (not money), Material Mayhem (including budgeting), Money Minds (Cash), and the Gift of Giving (Opportunity/Responsibility). Topics covered include Income, "Cash Flow Quadrant", Expenses: How your wealth is stolen, Budgeting, Assets / Liabilities, Balance Sheet, "Cashflow 101", Insurance, Reasons to Save (including retirement), Investments / Assets, Bad / Good Debt, Investment Risk, Fundamental VS Technical Stock Investing, Projects: Create a Budget and Fundamental Stock Analysis, Suggested Reading: *Rich Dad, Poor Dad*, Robert Kiyosaki

9:00-9:30 **Study Hall**** **gr. 3-12** **\$15**
A1SH

9:30-9:55 **Study Hall**** **gr. 3-12** **\$15**
A2SH

10:00-10:25 Study Hall gr. 3-12 \$15**
C1SH

10:00-10:55 ~ 60 Minutes

10:00-10:55 Gr. 1-3 Make It, Play It, Take It ~ Music Class *Jammband* \$79 + \$16 = \$95
C1MC Locations: Rochester, Oxford, Flint

Also called, Band in a Bag, Jam with the Band, this class is as much fun as the name sounds. As students have a blast making and playing their own instruments, they will learn music theory, sing Christian songs, and practice participating in a cohesive band.

10:00-10:55 Gr. 2-4 Grammar with the Shurley Method*(Part 1) *Lisa Houck* \$79
C1G Locations: Rochester

Through catchy jingles, Shurley Grammar uses a series of question and answer patterns teach the various roles that words can play in sentences. This class will cover classifying of sentences, learning Pattern 1 for the first semester, then Pattern 2, and possibly 3, the second semester. We will be working on level 3 sentences, which you can view at www.finders-keepers.net. In class, students will learn the 8 parts of a sentence and how to classify sentences the Shurley Way. They will also learn the accompanying grammar jingles. Homework will be assigned from the Practice Booklets (classifying sentences), which can be used to supplement your Shurley Grammar, or any other language arts program. Parents are also welcome to sit in and learn how to classify the Shurley Way. *Students will need to purchase Level 3 Practice Booklet with CD.

10:00-10:55 Gr. 4-7 Electricity Projects *Mr. Gary Holcomb* \$79 + \$5 = \$84
C2EP Locations: Rochester

Students will learn from an electrical engineer how electricity works by doing experiments with batteries, switches and circuits. We'll build an electric motor, a battery, a LED flasher, parallel - series circuits, switches and other control devices, and finally a non-electrical, optical project that allows safe viewing of the sun and sunspots.

10:00-10:55 Gr. 4-7 Learning to Learn ~ Improving Your Study Skills *Judy Rector* \$79
C2SS Locations: Rochester, Oxford, Flint

Note taking, outlining, summarizing, memory tricks and studying from textbooks are just a sample of the important skills your student will learn in this class. These are skills that will help them learn more effectively now and in the future when the subjects become more difficult.

10:00-10:55 Gr. 4-12 Let's Play Tennis ~ Intermediate *Coach Bill McGarry* \$79
C2T Locations: Rochester

Advance your skills as you learn to play tennis from a pro who loves to teach both children and adults. Coach McGarry has been playing tennis all of his life and is a highly respected coach. Kids love their time with the Coach!

10:00-10:55 Gr. 4-8 Michigan History *Mrs. Sarah Gardiner* \$79
C2MH Locations: Rochester, Oxford

Learn the fascinating story of our wonderful state from an expert. Mrs. Gardiner was a docent at Fort Michilimackinac for several years and comes to us with a multitude of stories, artifacts and experiences. She makes learning fun and memorable with games, hands-on activities, stories, costumes, and more. A pleasure for all ages.

10:00-10:55 Gr. 6-8 Logic and Critical Thinking *Emily Nightingale* **\$79 + \$3 = \$82**
C3LC **Locations: Rochester**

This class is designed to teach the basics of problem solving, logic, and argument. With practice, students will learn to think analytically, recognize common errors in reasoning, unmask propaganda techniques in advertising, and much more.

10:00-10:25 **Study Hall**** **gr. 3-12** **\$15**
C1SH

10:30-10:55 **Study Hall**** **gr. 3-12** **\$15**
C2SH

10:30-11:55 ~ 90 Minutes

10:30-11:55 Gr. 5-9 Lights, Camera, Action-Digital Movie Making **\$154 + \$5 = \$159**

D2MM *Computer Explorers ~ Sue Osis* **Locations: Rochester, Oxford**

Do you want to be the next George Lucas? We will create our very own Star Wars™ movie using special digital movie making cameras and software. As directors and producers we will work in teams to create our own story and script, build various Star Wars™ Lego® scenes and film our own movie. We will use graphic editing techniques and stop motion animation, add background noise and music, and show our movie at a private screening on the last day of class. All students will get a copy of their movie either via e-mail or flash drive (provided by students).

10:30-11:55 Gr. 6-8 Literature Discussion *Leah Potoczak* **\$119**
D3LD **Locations: Rochester, Oxford**

Do you like an intriguing mystery or an outrageous adventure? How about some science fiction or a fantasy story? This is the class for you! We will read one book from each of these genres during the semester, have some lively discussions and touch on all four of the language arts. Come join the fun!

10:30-11:55 Gr. 7-9 Physical Science *(Part 1) *Linda Kramer* **\$119 + \$15 = \$134**
D3PS **Locations: Rochester**

Required Text purchase on own ~ Apologia: Exploring Creation with Physical Science 2nd Edition by Dr. Jay Wile (student edition required)

This year-long course introduces students to a broad range of physical science topics including air, the atmosphere, water, the hydrosphere, the lithosphere, weather, the physics of motion, Newton's Laws, forces, light, waves and sound, astrophysics, and "the scientific method." Class periods are spent covering important points from the chapters and performing lab exercises both from the book and from outside sources. Students are expected to invest several hours per week reading each chapter and answering the Study Guide questions before going to class. Tests are completed by the students at home under parental supervision, but are graded by Dr. Kramer along with the students' weekly lab reports. This class closely follows a syllabus so that the students always know what is expected of them. The class uses Dr. Jay L. Wile's textbook, *Exploring Creation with Physical Science, 2nd edition*.

10:30-11:55 Gr. 7-12 Acrylic Painting on Canvas *Jackie Eberle* **\$119 + \$25 = \$144**
D4AP **Locations: Rochester**

Even those who have never painted before can make a beautiful painting on stretched canvas suitable for framing. Our theme this fall will be Christmas Time. Some classes may require students to take paint and brushes home to allow our project to be complete in the 10-week class time. The supply fee includes 16 x 20 inch stretched canvas, acrylic paint, brushes, paint pallets, and a colored copy of the subject. All the student needs to bring to class is a paint shirt.

10:30-11:55 Gr. 7-12 Let's Play Tennis-Advanced Coach Bill McGarry \$119
D4T Locations: Rochester

Advance your skills as you learn to play tennis from a pro who loves to teach both children and adults. Coach McGarry has been playing tennis all of his life and is a highly respected coach. Kids love their time with the Coach!

10:30-11:55 Gr. 7-12 Moral Dilemmas in Today's Society Brian Narloch \$119
D4MD Locations: Rochester, Oxford

Each day we are faced with questions that invoke a contentious or debatable response such as:

- You find a bag in a bush containing \$10,000 which has been hidden there by a Drug Dealer who is currently in prison for 10 years. What do you do?
- Is Civil Disobedience permissible?

The class will research and discuss/debate relevant dilemmas and possible alternate viewpoints that are shaped by our worldview, laws, etc. Each student will be required to write a position paper on at least one relevant dilemma and present it to the class.

10:30-11:55 Gr. 8-12 Spanish 2*(Part 1) Sheri Neufang \$119
D4S Locations: Rochester

This class builds upon the student's knowledge of the present tense of verbs, and vocabulary learned in Spanish I and will introduce speaking and writing in the past tense. Some review will be offered. This class will broaden the student's ability to discuss different situations by enabling them to discuss things that have already happened. Required Text book: Poco a Poco.

10:30-11:55 Gr. 9-12 Why Am I Here and What Do I Do About It? Mrs. Lynn Fote \$119
D4LP Locations: Rochester, Oxford

What do I do after high school? Who am I? What's my purpose? These are huge questions with major life impact. How should they be answered? What tools are there to help? Capability, even with interests alone are a far from adequate evaluator. This class will look at the eight major areas in considering life work through written exercises, assessments, discussion and interactive activities. We will also look at tools and skills to use to work towards the decided upon outcomes. Material covered is designed to help students not only chart their course now but can be used as well to refine their journey as the need arises. Additional more personalized assessments will be available if desired. One individual coaching session is included with class enrollment (scheduled outside of class).

10:30-11:55 Gr. 9-12 Classics of British Literature* Karen Boniface \$119
D4S Locations: Rochester

This high-school level class covers some of the major classics of British literature. It is divided into three terms; students may sign up for any or all of the terms. During the first ten-week term (Part I: Old and Middle English), students will study three major works—*Beowulf*, *Sir Gawain and the Green Knight*, and portions of Chaucer's *The Canterbury Tales*. Students should be mature readers because of the amount of reading required. For each major work studied, students will complete a writing assignment—period-style creative writing, theme of literary analysis, essay, close read, reading journal, etc. Quizzes to check completion of reading assignments, but no tests, will be given. Grades will be awarded on the basis of class participation and completion of homework, reading, and writing assignments. Feel free to contact Mrs. Boniface for help in ordering the following books: achieve@gmail.com
Beowulf: A Verse Translation by Frederick Rebsamen (ISBN 0064302121; 978-0064302128)
Sir Gawain and the Green Knight, translated by J. R. R. Tolkien (ISBN 0345277600; 978-0345277602)
The Canterbury Tales, selections (<http://www.canterburytales.org/canterbury_tales.html> printed and brought to class as needed)

**10:30-11:55 Gr. 10-12 Advanced Biology-Anatomy* (Part 1) Leslie Schonfeld \$119 + \$20 = \$139
D4AB Locations: Rochester**

Required Text Purchase on Own: Apologia ~ THE HUMAN BODY: Fearfully and Wonderfully Made!
by Dr. Jay L. Wile & Marilyn M. Shannon (Required)

This 26 week, advanced science course is designed for the college bound student who wants to pursue a more in-depth study of biology. The course covers both the anatomy and the physiology of the human body, in detail. In order to take this course, the student MUST have completed a first-year biology course AND a first-year chemistry course. As part of their study, students will see frank, not pornographic, pictures of various parts of the human body. This course will follow a specific syllabus and students will be expected to complete assignments each week. Tests will be taken at home monitored by parents. Class time will be devoted to lecture, activities and labs.

10:30-10:55 Study Hall gr. 3-12 \$15
C2SH**

11:00-11:25 Study Hall gr. 3-12 \$15
E1SH**

11:30-11:55 Study Hall gr. 3-12 \$15
E2SH**

11:00-11:55 ~ 60 Minutes

**11:00-11:55 Gr. 1-3 Mystery of History–Ancient Civilizations Emily Nightingale \$79 + \$10 = \$89
E1MH Locations: Rochester**

This class will expose students to the most notable names, places and cultures of ancient civilizations in history. Through the creation of simple projects, students will unlock the doors of history, using their imaginations to enter distant times and empires. Throughout the class, they will recognize the hand of God in all that happens.

**11:00-11:55 Gr. 1-3 Lego Engineering Jr. Computer Explorers \$94 + \$5 = \$99
E1LEJ Locations: Rochester, Oxford**

This course, taught by Jo Watts, will introduce LEGO® component parts, and how they can be used to make several simple machines. After guided exploration to understand basic concepts, children will be challenged to pretend: You are an engineer who works for LEGO and are given a kit with many parts. Your job is to “build something cool that moves!” Students will use Technic Building kits and are introduced to wheels & axles, gears, levers and pulleys. Students learn to be part of a team and work in groups of 2-3 students.

**11:00-11:55 Gr. 4-6 Grammar with the Shurley Method* (Part 1) Lisa Houck \$79
E2G Locations: Rochester**

Through catchy jingles, Shurley Grammar uses a series of question and answer patterns teach the various roles that words can play in sentences. This class will cover classifying of sentences, learning Patterns 1 and 2 for the first semester, then Patterns 3-5 the second semester (depending on the abilities of the students). We will be working on level 5 sentences, which you can view at www.finder-keepers.net. In class, students will learn the 8 parts of a sentence and how to classify sentences the Shurley Way. They will also learn the accompanying grammar jingles. Homework will be assigned from the Practice Booklets (classifying sentences), which can be used to supplement your Shurley Grammar, or any other language arts program. Parents are also welcome to sit in and learn how to classify the Shurley Way.

*Students will need to purchase the Practice Booklet with CD.

11:00-11:55 Gr. 4-7 Fun With Physics *Jammband* \$79 + \$15 = \$94
E2FP Locations: Rochester, Oxford, Flint

In this class, students will experience the fun side of physics. They'll conduct crazy experiments and complete hands on projects designed to teach the role that Newton's Laws play in our daily life.

11:00-11:55 Gr. 6-8 Electrical Engineering Projects *Gary Holcomb* \$79 + \$15 = \$94
E4EEP Locations: Rochester

Students will learn the principles of electricity as they work on various projects. They will be using schema, wire cutters and a soldering iron. Siren, chime, light dimmer

11:00-11:55 Gr. 9-12 ACT Test Prep* *Mrs. Judy Rector* \$79
E4ACT Locations: Rochester, Oxford, Flint

Everything needed to know to sidestep the tricks and traps of this standardized test and get the score you need on your first try. Learn how to successfully take the ACT by not relying on academics as much as knowing how to properly navigate it. Manage test anxiety with these strategies & techniques. * Book required *Cracking the A.C.T.*

11:00-11:25 Study Hall gr. 3-12 \$15**
E1SH

11:30-11:55 Study Hall gr. 3-12 \$15**
E2SH

12:00-12:25 SUPERVISED LUNCH \$15

Lunch is not provided so please pack a lunch for your children. We do not have access to a microwave or refrigerator. We will eat for the first 15 min. and the children will have playtime for the last 15 min. If it is nice, we will go outside to the play area. It is preferred that older students remain on the premises for lunch but if they leave (with your permission) they need to let the supervisor know. Older students will have an area where they can eat together. Everyone is expected to clean their area before they are dismissed. Once a month we may have a pizza lunch. We will take orders the week before.

12:30-1:25 ~ 60 Minutes

12:30-1:25 Gr. 1-3 Computers ~ Kid Pix Noah's Ark *Computer Explorers* \$94 + \$5 = \$99
F1C Locations: Rochester

Sue Osis Students will utilize KidPix Studio Deluxe 3 to create a multimedia presentation about Noah's Arcl. Students will learn to use various toolbars, graphics and even record their voice as they complete their presentation. Completed project will depend on the current computer literacy of the students. Students will also utilize a science-based computer program to investigate for their project. Students will use our equipment and software to complete all projects and receive an e-mail of their completed work at the end of the class. All research must be completed at home.
Science, Technology, Language Arts

12:30-1:25 Gr. 1-7 Stage Struck-The Musical *Jammband* \$79 + \$15 = \$94
F12SS Locations: Rochester

Be part of the business of show business! Feel the excitement of preparing for the big performance! We will be learning songs, speaking parts and choreography for a special Christmas message. The plays will be enhanced with scenery and costumes. Musical production will be chosen upon class enrollment and student age levels.

12:30-1:25 Gr. 2-4 Reading and Writing Skills *Leah Potoczak* **\$79**
F1RW **Locations: Rochester, Oxford**

A fun, hands-on class to help build and strengthen good foundational skills in reading and writing. Includes all four language arts (listening, speaking, reading and writing), with an emphasis on phonics.

12:30-1:25 Gr. 5-9 Abstract Art *Jackie Eberle* **\$79 + \$20 = \$99**
F2AA **Locations: Rochester**

The students will learn the components of design and practice their knowledge by creating several mounted pieces throughout the 10 week session. We will study symmetrical, asymmetrical, negative/positive space, overlapping, and transparency. In addition to weekly assignments, one large final project will be completed on the last day of class. Students will be given a materials kit and these must be used at home for assignments and brought back to class each week. This is a good class for those interested in art, painting, architecture, or photography.

12:30-1:25 Gr. 4-7 Reading Comprehension Skills* *Karen Boniface* **\$79**
F2RC **Locations: Rochester, Oxford**

Students often “read it” but they don’t “get it.” This class helps them develop strategies to understand what they read, with segments on various reading skills—main ideas, context clues, inference, cause and effect, etc. *There is a \$10 materials fee (payable to the teacher). Students may elect to take any or all three of the terms of the year-long class. Brief weekly read-aloud homework assignments will be given to build comprehension and fluency. Students’ work in this class is not graded.

12:30-1:25 Gr. 4-7 Mystery of History-Ancient Civilizations *Mrs. Emily Nightingale* **\$79+\$10=\$89**
F2MH **Locations: Rochester**

This class will expose students to the most notable names, places and cultures of ancient civilizations in history. Through the creation of simple projects, students will unlock the doors of history, using their imaginations to enter distant times and empires. Throughout the class, they will recognize the hand of God in all that happens.

12:30-1:25 Gr. 4-7 Elementary Engineering 1 with Legos *Computer Explorers* **\$119 + \$5 = \$124**
F2EE **Locations: Rochester, Oxford** *Jo Watts*

Now is a great time to introduce your students to the fun and exciting world of Engineering with Lego®! Engineering classes offer lessons for budding engineers who are interested in exploring engineering processes in a fun and exciting environment. Engineering 1 class is appropriate for students in 4th grade and up. Lessons include: simple machines, structures and forces, levers, wheels & axles, gears and gear math, ratchets & drive trains and motorized systems. Students will enjoy the true application of knowledge and the exciting challenges for them to conquer!

12:30-1:25 Gr. 7-12 Tournament Chess *Mr. Tim Moroney* **\$79**
F3C **Locations: Rochester**

For the students who love Chess and are interested in learning more advanced strategies and learning about tournament play. Class will begin each week with a 20-minute lesson, including advanced tactical patterns, checkmating techniques, opening classification and theory, advanced endgames, study of great chess players such as Bobby Fischer, clock play, tournament rules, an end of class tournament (with prizes), and more! Remainder of class time will be spent playing, with instructor-led personalized learning for each student. *Student must have completed one previous Homeschool Conn. chess class and have teacher approval to register for Tournament Chess.*

12:30-1:25 Gr. 7-12 Let's Play Basketball *Coach Bill McGarry* **\$79**
F3B **Locations: Rochester**

Improve your skills and come ready to play some intense basketball. Please bring your own basketball with your name marked on it and wear proper shoes.

12:30-1:25 Gr. 9-12 Writing Thoughtful Essays in Response to Challenging Prompts *Judy Rector*
\$79 **Locations: Rochester, Oxford, Flint**

F3WE

In this class, students will improve their essay writing skills. Responding to challenging prompts, be they class assignments or college application essays, students will consider how to answer the most provoking questions in thoughtful and insightful ways. We will cover all aspects, such as organization, leads, sentence variety, structure, phrasing and dynamic word choice.

12:30-12:55 *Study Hall*** **gr. 3-12** **\$15**

F1SH

1:00-1:25 *Study Hall*** **gr. 3-12** **\$15**

F2SH

12:30-1:55 ~ 90 Minutes

12:30-1:55 Gr. 6-8 General Science* *Mrs. Leslie Shonfeld* **\$119 + \$15 = \$134**

G4GS **Locations: Rochester, Oxford**

Required Text: Apologia, Exploring Creation with General Science 2nd edition preferred. Author Jay Wile.

This course is designed to be a students first systematic introduction to the sciences. The course covers such topics as the scientific method, designing experiments, simple machines, archaeology, geology, paleontology, biology, and human anatomy and physiology. Its scope, therefore, is quite wide. Tests will be taken at home monitored by parents. Class time will be devoted to lecture, activities and labs.

12:30-1:55 Gr. 6-8 Getting Ready for Pre-Algebra Saxon 8/7* *Valerie Hulderman* **\$119**

G4PA **Locations: Rochester**

Required text Saxon Algebra 8/7 (3rd edition preferred)

The skills covered in this class will prepare your middle-schoolers to the concepts they'll need for upper-level algebra and geometry, including functions and coordinate graphing; integers; multiplying decimals and fractions; radius, circumference, and pi; and more. Each week, 3-5 lessons will be covered. Students will be required to complete work at home each week and come to class prepared for the next lessons.

During the week, the teacher will be accessible if needed. Students will be required to take a placement test to determine if their skills are ready for this class.

12:30-1:55 Gr. 7-9 Algebra 1 ~ Saxon *Mr. Gary Holcomb* **\$119**

G4A **Locations: Rochester**

Required text Saxon Algebra 1 (3rd ed. Preferred)

Using the Saxon Algebra 1 curriculum, the students will receive instruction on 3-4 math concepts and practice problems in class each week. They will complete their assignment at home on their own. The following class will be used to insure of their understanding and to teach the next set of new concepts. A placement test will be given and must be completed before the first class to ensure proper placement.

12:30-1:55 Gr. 8-12 Critical Thinking and Analysis Through Film *Mrs. Lynn Fote* **\$119**
G4CT **Locations: Rochester, Oxford**

“Movies are the highest popular art of our time and art has the ability to change lives.” - Stephen King
The ability to critically think and reason has never been more important than in our information, media-saturated age. While knowledge is important, it changes at an ever-increasing rate and we need the skills to evaluate new information and perceptions. This class will use movies as the subject matter for our analysis and skill building. The movies will be watched independently outside of class and should be available via library or rental. While written short answer and short essay questions will be required for each movie, the bulk of class time will be discussion. We will be examining literary elements, context, world-view, as well as artistic qualities to study direct and indirect methods of persuasion and influence. Some movies will take two class periods, a few a single week. Movies could include Les Miserables, Lord of the Rings, Mr. Holland’s Opus, Sense and Sensibility, A Man for All Seasons, Knight’s Tale and The Incredibles.

12:30-1:55 Gr. 10-12 Chemistry – Apologia* *Mrs. Linda Kramer* **\$119 + \$20 = \$139**
G4C **Locations: Rochester, Oxford ~ Leslie Schonfeld teacher**

Required Text (purchase on own) Curriculum: Apologia: Exploring Creation with Chemistry 2nd Edition by Dr. Jay Wile (Student edition required). Minimum 6 - Maximum 14

This 26 week high school class is designed to enrich the students' understanding of the text through discussion, lecture, and working problems together in class. Also included is a full lab experience in which students perform experiments adapted from the book as well as additional experiments which reinforce the concepts they are learning. Students are expected to read the chapters and complete the Review Questions before going to class. Students take chapter tests at home under parental supervision, but they also take three in-class cumulative tests throughout the year. Dr. Kramer grades the tests and weekly lab reports. This class closely follows a syllabus so that the students always know what is expected of them.

12:30-12:55 *Study Hall*** **gr. 3-12** **\$15**
F1SH

1:00-1:25 *Study Hall*** **gr. 3-12** **\$15**
F2SH

1:30-1:55 *Study Hall*** **gr. 3-12** **\$15**
H1SH

1:30-2:25 ~ 60 Minutes

1:30-2:25 Gr. 1-3 Seasonal Arts & Crafts *Kim Nightingale* **\$79 + \$12 = \$91**
H1AC **Locations: Rochester**

In this class, students will create projects pertaining to autumn and early winter. Themes include: colorful leaves; warmer clothes; snow flurries; Thanksgiving; Christmas; and, much more.

1:30-2:25 Gr. 1-3 P.E. Fun and Games *Emily Nightingale* **\$79**
H1PE **Locations: Rochester, Oxford, Flint (different teachers)**

This class provides students with an opportunity to develop kinesthetic skills while playing with other children. Students will have opportunities to hop, skip, run, as they play age-appropriate movement games.

1:30-2:25 Gr. 5-12 Intermediate Chess *Tim Moroney* **\$79**
H234C **Locations: Rochester**

For the students who loved Beginners Chess and are interested in learning more advanced strategies and learning about tournament play. Class will begin each week with a 20-minute lesson, including intermediate tactical patterns, checkmating techniques, opening classification and theory, intermediate endgames, study of great chess players such as Bobby Fischer, clock play, tournament rules, an end of class tournament (with prizes), and more! Remainder of class time will be spent playing, with instructor-led personalized learning for each student. *Student must have completed one previous Homeschool Conn. chess class to register for Tournament Chess.*

1:30-2:25 Gr. 4-8 Let's Play the Guitar *Jammband* **\$79 + \$12 = \$91**
H2G **Locations: Rochester, Oxford, Flint**

In this class, students will have the opportunity to develop both introductory and intermediate guitar playing skills. Topics include note & tab reading, finger picking, riffs, licks and music theory. Guitars will be provided during class session but students can certainly also bring your own. Rentals are available between class sessions.

1:30-2:25 Gr. 4-7 Exploring Languages *Judy Rector* **\$79 + \$5 = \$84**
H2EL **Locations: Rochester, Oxford, Flint**

Students will have a blast as they learn the essentials of foreign language, including light conversation and sentence structure, numbers, days of the week and colors included. While learning the language students will also explore the culture. Course split: five weeks of French and five weeks of Spanish instruction.

1:30-2:25 Gr. 4-7 Geometry Math Skills *Leah Potoczak* **\$79**
H2G **Locations: Rochester, Oxford**

Students will learn the basics of geometry with hands-on activities with shapes, angles, area, perimeter, circumference and more. Instructor provides materials. Homework will be given to reinforce what happens each day.

1:30-2:25 Gr. 6-8 Proper Punctuation *Karen Boniface* **\$79**
H2PP **Locations: Rochester, Oxford**

Students are often confused about where to place commas in sentences. This 10-hour class helps to make sense of commas by practicing commonly used patterns, like items in a series and compound sentences. Brief practice worksheets will be given as homework, with a materials fee required (\$5 payable to the teacher). If parents would like a grade, they must notify the teacher on the first day of class.

1:30-2:25 Gr. 5-9 Video Game Design *Computer Explorers* **\$99**
H3VG **Locations: Rochester,**

Students will become Video Game Designers as they use a specialized program to create a 2-D Video Game. In this class girls and boys alike create their own characters and show them what to do, while using the computer mouse to create simulations and games completely visually, without a programming language. The only limit is their imagination. Students will work to complete various programming challenges and eventually create their own games. Students may purchase (optional) software at additional cost of \$35.00 to continue creating at home!

2:30-3:25 Gr. 8-Adult Learn to Play the Guitar *Jammband* \$79 + \$12 = \$91
J4G Locations: Rochester, Oxford, Flint

In this class, students will have the opportunity to develop both introductory and intermediate guitar playing skills. Topics include note & tab reading, finger picking, riffs, licks and music theory. Guitars will be provided during class session but students can certainly also bring your own. Rentals are available between class sessions.

2:30-3:25 Gr. 6-8 Totally Technology ~Microsoft Office *Computer Explorers* \$94 + \$5 = \$99
J3TT Locations: Rochester

Students will use technology in challenging ways as they create their own projects. Course topics include keyboarding, word processing, graphics, multimedia presentations, databases and spreadsheets.

2:30-2:55 Study Hall gr. 3-12 \$15**
J1SH

3:00-3:25 Study Hall gr. 3-12 \$15**
J2SH

****Study Hall \$15**

If students have a gap in their schedule, they must be in a study hall unless they are with their parent. Within study hall, students can work on individual work or quiet activities with others.