

# Fireside Academy 2011-2012

## Course Catalog

We look forward to seeing you all on June 9<sup>th</sup>, 2011 at our Open House, 6-8:30pm  
It's a perfect opportunity to talk with our teachers about the current course offerings,  
as well as have a tour of the new facility.

### ●About Fireside Academy Community Co-op

Our co-op classes are held on Tuesdays, September 13<sup>th</sup> to May 15<sup>th</sup>.

Our classes meet at Carpenter's Community Church, 4609 Newburg Rd., Nazareth, PA, 18064.

The Fireside Academy Community Co-op for Homeschoolers is a unique, not-for-profit organization, offering support and encouragement to parents who are teaching their children at home through traditional and cyber-education methods. Fireside Academy helps foster a sense of community for homeschooling families. Our enrichment classes and extra-curricular activities provide opportunities for social interaction with others who understand a lifestyle focused on family and education. Our website and free on-line newsletter keep families informed of upcoming events and opportunities for families of Lehigh and Northampton Counties of Pennsylvania, as well as western New Jersey.

### ●Full Membership \$65 + Volunteer Commitment\*\*

A full membership is necessary for those families wishing to take advantage of our co-op classes. Fireside Academy Classes offers a variety of academic and enrichment courses in a supportive environment for families. Our co-op classes will meet one day a week for thirty weeks, from September to May, with intermittent breaks.

Our weekly classes serve to create an environment that encourages children to love learning while providing opportunities for academic excellence and achievement. We assist families by offering weekly classes taught by specialists in each field who are usually homeschooling parents as well. By pooling our resources, we are able to offer a rich diversity of expertise that helps families build upon their own knowledge and abilities by providing broader educational experiences.

Our classes support the home education program through classroom experiences, giving both a framework as well as outside accountability and mentoring. Often when homeschooled children reach middle school, they will wish to pursue subject matter that is difficult or foreign to the parent teacher. Many high school diploma programs require courses which some parents feel uncomfortable teaching on their own. Our classes help meet these needs for families by bridging any gaps in the home education program, while offering the benefits of a small-sized classroom experience for students.

More than academics, our classes provide homeschooling families with the opportunity to work cooperatively in an atmosphere of mutual respect, organized structure with flexibility, and interest driven exploration. We feel that offering opportunities for homeschooled children to participate in musical theater, or to develop new hobbies by learning to knit, paint, or sew, are vital to a rich

educational experience. We also offer the opportunity for youth to create a yearbook and newspaper, documenting their experiences and providing information for our co-op families. We offer informal small groups, such as sewing circle, chess, runner's, and game clubs.

### **\*\*CO-OP means CCommunity + CoOperation**

Our wonderful classes are only part of the experience here at Fireside. We strive to create a true homeschooling community for our children and parents. We know that if we pool our efforts, we are able to operate a smoothly-flowing experience, and offer greater opportunities outside of class days. As such, each family is responsible to fulfill a volunteer commitment to the co-op. Please visit our "Volunteers" tab on the website, and **review the requirements and escrow program**, understanding that **volunteer sign up must occur at time of registration**. Visit our display table at co-op in May for current families, or Open House on June 9<sup>th</sup> for new families to sign up for a job that suits your lifestyle.

Full Membership also *includes all benefits of the social membership* listed below.

### **●Social Membership \$20**

A social membership allows participation in many activities such as field trips, workshops, and teen events. We have members-only events for parents as well, that will include instructional seminars and small groups. We offer special events for homeschooled students such as educational fairs, picnics, and a high school prom. Social Membership also includes one free entry into our educational fairs per family. Each family with a social membership will receive an annual directory.

### **Mission Statement**

It is the purpose and mission of Fireside Academy Community Co-op to provide homeschooling families and families of cyber-educated students opportunities to participate in cooperative, enriching, group learning experiences. It is the aim of Fireside Academy to keep the natural love of learning alive by offering engaging learning experiences in the sciences, mathematics, language arts, foreign languages, fine arts, history, social studies and physical education and other special interest subjects. We believe that it is important to create a learning environment that acknowledges differences in learning styles, nurtures a student's self esteem and embraces students from all denominations, races, and sectors of life.

### **●Philosophy**

Fireside Academy operates under the premise that learning is a gift with its own intrinsic rewards. We believe that learning flourishes when students are given opportunities to become involved in the process of their own education. We believe that it is important for students to interact with enthusiastic, knowledgeable, respectful facilitators in a friendly, non-threatening social environment. Learning fostered through a spirit of cooperation and mutual respect allows students the freedom to explore and expand their boundaries without the fear of making mistakes.

### **●Non-Discriminatory Policy**

The Fireside Academy Community Co-op is *truly* an ecumenical group. It admits students of any sex, race, color, national, ethnic origin and religious affiliation to all rights, privileges, programs, and activities made available to students in the program. It does not discriminate on the basis of race, color,

national and ethnic origin or religious affiliation in the administration of policies, or any program-administered events, activities or classes.

## **Fireside Academy Community Co-Op Course Descriptions 2011-2012**

### **English and Humanities**

#### **CHILDREN'S THEATRE** -3-6<sup>th</sup> (THE100) *Enrichment*

This course will focus on teaching young children fundamental theater skills such as stage presence, characterization, voice projection, and basic acting techniques, using games, recitations and skits. Homework will be minimal. This class will culminate in a final spring performance in which each student has the opportunity to perform. **Homework:** Minimal-time needed for memorization.

**Tuition:** \$150 **Materials:** \$40 **Instructor:** Katie Lloyd **MAXIMUM:** 25 students

**REQUIREMENT:** Every family must sign up *at registration* for volunteer job with this class, in any of the following position: costuming, classroom helper, set design, program design, or show week jobs in set-up, ticket sales, backstage, clean up, etc.

#### **CREATIVE WRITING** 6-8<sup>th</sup> (ENG200) *Core-Curriculum*

This course is designed to introduce students to the basics of short fiction writing. Students will receive instruction on important elements of story writing and be given a variety of writing assignments designed to hone their skills and develop creative abilities. Topics covered will be basics of fiction; free-writing, Brave Writer style; understanding literary terms; importance of conflict, crafting a strong opening; creating engaging characters; developing plot; building climax; crafting dialogue; and the importance of setting. Every four weeks, a project will be developed from the initial assignments on various themes discussed in class. By the end of class, these skills will be combined in the creation of a minimum 10-page story, that will be compiled into a class book. In addition to creative writing assignments, a portion of this class will be used to solidify basic grammar knowledge needed for quality writing. Students will be required to keep a personal reading log and meet reading goals to fulfill core curriculum requirements. **Homework:** 2-3 hours weekly, building **Prerequisite:** *This is a writing intensive class. Student must be able to write multiple paragraphs without struggle.* **Required**

**for Class:** 3-ring binder with dividers. **Tuition:** \$180 **Materials:** \$40 **Instructor:** Angela Landis **MAXIMUM:** 16 students

#### **ELEMENTARY ENGLISH** 3-6<sup>th</sup> (ENG101) *Core-Curriculum*

This is a core curriculum class that will cover writing, grammar usage, spelling, and reading comprehension. Writing assignments will include journal entries, well-structured paragraphs, letters, book summaries, and narrative/expository/ persuasive pieces. Language usage, parts of speech, and spelling will be addressed in both written work and weekly review sheets. Each student will keep a reading log, and several assignments will include his or her book choices for comprehension activities. Homework will include journal entries, language arts review sheets, and writing or reading comprehension assignments. **Homework:** 20-30 minutes daily **Prerequisite:** Must be able to write a solid paragraph **Required for Class:** 3-ring binder with four dividers **Tuition:** \$150 **Materials:**

\$40 **Instructor:** Laurel Wenson **MAXIMUM:** 16 students

### **EXPLORING SHAKESPEARE 6-10 (DRA300) Elective HSC 0.5**

Learn Shakespeare the way he intended - through drama! In this course we will focus on reading, discussing and especially acting out some of Shakespeare's comedies, tragedies and histories. Students will gain a basic understanding of Shakespeare's art as well as insight into the man himself. A lively supplement to any English, History, or Literature course. In addition to Shakespeare's original works we will also use Cullum's text. **Required for class:** *Shakespeare in the Classroom*, by Albert Cullum, **ISBN-10:** 0866539034 . **Homework:** 1-2 hours, weekly, for memorization **Tuition:** \$150 **Materials:** \$35 **Instructor:** Katie Lloyd **MAXIMUM:** 16 students

### **FABLES AND FOLKTALES K-2nd (ENG100) Elective**

This class is designed for the student who loves fantasy stories. The class will be reading age-appropriate, illustrated stories and then work on comprehension, vocabulary, and other important reading skills. Classes will also include small art projects that correlate with each story. **Prerequisite:** *Student must be able to write and recognize letters.* **Homework:** ½ hour weekly **Required for Class:** Pencil box with following items: pencils, crayons and colored pencils. **Tuition:** \$120 **Materials:** \$40 **Instructor:** Emily Hassler **MAXIMUM:** 12 students

### **LITERARY ANALYSIS 9-12<sup>th</sup> (ENG101) Core-Curriculum Elective HSC 1.0**

In this class, students will read, analyze, and interpret literary elements in a variety of genres. Class time will revolve around group discussion. Homework will include reading comprehension, vocabulary, and written assignments. Selections will include books, plays, poems, essays, and short stories. **Required Texts:** *Fahrenheit 451* by Ray Bradbury; *The Scarlet Pimpernel* by Baroness Orczy; *Pride and Prejudice* by Jane Austen; *The Hobbit* by Tolkien; *Much Ado About Nothing* by Shakespeare; and two additional books of the student's choice; Binder with dividers **Homework:** 3-4 hours, weekly, depending on reading speed **Prerequisite:** Student must have demonstrated academic maturity and ability to handle required workload. **Tuition:** \$180 **Materials:** \$40 **Instructor:** Laurel Wenson **MAXIMUM:** 20 students

### **MUSIC THEATER- (THE200)**

Our production for this year is "Fiddler on the Roof." The first month involves theater and vocal techniques, audition tips, and auditions. The remainder of the year involves all aspects of production: rehearsals, music, choreography, props, sets, and more. During the year, students will learn proper use of voice and body on stage, stage directions and blocking, theater terms and teamwork. It is imperative that students arrive ON TIME for this class—those arriving late on a regular basis will be recast. Tentative show dates are April 21-22nd. Non-singing roles are available as well as a few stage crew positions. A few additional rehearsals will be scheduled for music and choreography. **Homework:** Varies; time needed to learn lines and songs. **Tuition:** \$180 **Materials:** \$60 (incl. production costs, royalties, etc.) **Instructor:** Laurel Wenson **MAXIMUM:** 25 students **REQUIREMENT:** Every family must sign up *at registration* for a volunteer job with this class, in any of the following position: costuming, set design, program design, or show week jobs in set-up, ticket sales, backstage, clean up, etc.

## Fine Arts

### **APPLIED ART** 6-12 (ART300) *Elective, Graded HSC 0.5*

This course offers student a broad range of experiences in a variety of media as well as an introduction to the elements and principals of design. Students will create and interpret visual images and will explore significant historical and cultural achievements and trends in the visual arts. Development of students' creativity will be emphasized through a variety of projects which includes: drawing, painting, design, sculpture, and collage. Student will be expected to participate in the Art Fair. **Tuition:** \$150 **Materials:** \$45 **Instructor:** Tammy Jarratt **MAXIMUM:** 12 students

### **APPLIED DRAWING 1-3 (ART102)** *Elective*

Students will create art projects that address art concepts such as shape, form, line, color, edges, mixed color, etc. Students will study landscapes, portraits, still-life, and art in the world (near-east, Egyptian, Greek, Roman, and Medieval) Guided drawing techniques will be implemented to help strengthen students drawing skills. **Supplies:** Provided in class **Tuition:** \$120 **Materials:** \$40 **Instructor:** Heidi Giacoletti **MAXIMUM:** 10 students

### **APPLIED DRAWING 4-6 (ART103)** *Elective*

Students will create art projects that address art concepts such as shape, form, line, color, edges, mixed color, etc. Students will be introduced to some art history, artists, and styles of art. Guided drawing techniques will be implemented to help strengthen students drawing skills. **Supplies:** Provided in class **Tuition:** \$120 **Materials:** \$40 **Instructor:** Heidi Giacoletti **MAXIMUM:** 10 students

### **ARTS & CRAFTS thru STORIES** K-2<sup>nd</sup> (ART101) *Enrichment*

This class is not only about arts and crafts, but will include topics in social studies and literature as well. Each class will begin with a story or short lesson related to the week's theme. Students will then make a craft that relates to the story using various media and teaching skills including, but not limited to: drawing, painting, cutting, pasting, collage, and sculpture. Students will be encouraged to participate in the Art Fair. **Supplies Needed:** Provided, with the exception of a few requests for random items, such as milk or cardboard egg cartons. **Tuition:** \$120 **Materials:** \$40 **Instructor:** Tait & Marijana Wasser **MAXIMUM:** 12 students

### **HISTORY OF AMERICAN MUSIC** 7-12<sup>th</sup> (MUS300) *Elective HSC 0.5*

In this class, students will learn about the wonderful music of America from its early roots in the colonial period up through modern day. Using a chronological time frame, students will study early European and African influences, folk, jazz, blues, country, swing, rock and roll, and more. Class time will involve lecture, discussion, small group work, and many audio/video clips of various styles. Homework will involve timeline assignments for each era, worksheets, short research projects, and an individual student project for each semester. Completion of this class will earn ½ credit of humanities for high school, as well as satisfy the PA state requirement for ½ credit of music between grades 7-12. **Required for class:** binder or folder. **Homework:** 1 hour weekly **Tuition:** \$150 **Materials Fees:** \$30 **Instructor:** Laurel Wenson **MAXIMUM:** 15 students

### **LET'S MAKE MUSIC** 1-4 (MUS100) *Enrichment*

This is an enrichment class for grades 1-4, where students will learn about the different kinds of instruments used around the world, including a bit of history and culture for each. Many of the instruments studied will also include an in-class craft where the students make a “mock” version of the instrument, using household items. Also included in this class will be music games, basic singing, music terms, famous composers, and playing of basic percussion instruments. Short video clips may be used on occasion to show a particular instrument or instrument family. **Tuition:** \$120 **Materials:** \$40 **Instructor:** Amanda Tressler **MAXIMUM:** 12 students

**MIXED MEDIA ART** 6-12 (ART301) *Elective, Graded HSC 0.5*

This course is designed to give students a wide variety of art making experiences. We will explore both 2-D and 3-D art using projects like mosaic, printmaking, collage, drawing, painting, silk screen and ordinary objects that can be transformed into creative works of art. All projects will involve more than one art medium. All students will be required to participate in the Fireside Educational Fairs in the Art category. Supplies/Equipment: At times, students will be asked to bring found/recycled supplies to class for use in projects. **Tuition:** \$150 **Materials:** \$45 **Instructor:** Renee Hagan **MAXIMUM:** 15 students

## **Health and Physical Education**

**These classes will fulfill P.E. Requirements for PA and NJ**

**HOLISTIC FIRST AID, HEALTH& NUTRITION** 7th-up (PEH200) *Elective, graded HSC 0.5*

This class will offer students a chance to explore the benefits of a healthy lifestyle. It will incorporate 10 weeks of holistic first aid, 10 weeks of current health topics for teens, and 10 weeks of nutrition and diet. We will study basic first aid techniques from a traditional and a holistic viewpoint. We will learn how to recognize emergency situations and how to take action. There will be a variety of hands on activities and labs as well. Nutrition lectures will cover topics including diet and disease process, dietary needs of teens, keeping a dietary journal. Current health topics will cover body image and eating disorders, self esteem, the value of sleep and safety for teens. There will be 1 group project and opportunities for science fair exhibits. **Required Materials:** Students will need to bring a 3 ring binder with notebook paper. **Homework:** 1-2 hours weekly **Tuition:** \$150 **Materials** \$40. **Instructor:** Toni Mazariello **Maximum** students 12.

**PHYSICAL EDUCATION** 1-6<sup>th</sup> (GYM100) *Enrichment*

This class provides an opportunity for homeschooled children to experience group games and organized sports in a non-threatening and fun atmosphere. We will stress body awareness, strength, and flexibility basics while learning various games and exercises that encourage balance physical health and movement. **Required Equipment:** comfortable, close-fitting clothing and sneakers **Tuition:** \$120 **Materials:** \$25 **Instructor:** Tait Wasser **MAXIMUM:** 14 students

**KARATE** Grade 6-Adult (PEH300) *Enrichment HSC 2.5*

*“Martial Art is not about fighting or toughness, but about patience, humility and selflessness.”*  
This is the philosophy of Family Tree Karate, the dojo where I train, and it is the philosophy that will guide our class. We will cover basic techniques- stances,punches, and kicks—as well as combinations, self-defense and how to fall safely. This class is totally non-competitive and geared to any fitness or ability level. Each individual will improve his or her own strength, flexibility, balance, coordination, and speed. Respect and self-control are essential components of the class. This is a course where

parents are welcome to become students! **Required for class:** A white Fireside Academy t-shirt \* and loose fitting black pants **Tuition:** \$120 **Materials Fee:** \$40 (\*shirts are included in fee)  
**Instructor:** Dr. Salli Wood **MAXIMUM:** 20 students

**PILATES PLUS!** 7th-adult (PIL100) *Enrichment HSC 2.5*

In this class, we'll be strengthening our core (abdomen) and entire body using Pilates and other modes of exercise. Proper form and breathing will be emphasized. All fitness levels are welcome, but classes will begin at a beginner's level and advance in intensity throughout the year as each student progresses. This is low impact yet very effective—be prepared to get sweaty. Modifications can be made to accommodate many needs. We will also be using equipment such as dynabands, small exercise balls and other fun things. This is a course where parents are welcome to become students! **Required equipment:** a personal Pilates /yoga mat and comfortable clothing. **Tuition:** \$120 **Materials:** \$35  
**Instructor:** Anna Detterline

**RUNNER'S CLUB** (PEH301) *Club HSC 2.5*

This is a recreational club that will focus on running as a noncompetitive lifetime sport. All experience levels are welcome. Participants will begin a run-walk program and progress weekly with optional participation in a local 5K event at the end of the year. Stretching, core strengthening, and overall fitness will also be covered. **Required for class:** Comfortable clothing and sneakers  
**Tuition:** \$90 **Materials Fee:** \$20 **Instructor:** Tait Wasser **MAXIMUM:** 15

## **Home Economics and Handicrafts**

**COOKING & BAKING-INTERNATIONAL CUISINE** 5<sup>th-UP</sup> (COO100) *Enrichment*

International cooking is a class that will take us on a culinary tour of the world. Every week we will visit a different country/people/place; some whose foods have become everyday staples in our diets, as well as those whose cuisine is less well known. We will be using fresh and local ingredients when possible, and there will be no artificial dyes or preservatives. Two weeks, one in the fall and one in the spring, are dedicated to local wild foods. The class is hands-on. **Please note:** Any students who took this class during the 2010-11 term are not permitted to repeat, out of fairness to others. **Tuition:** \$120

**Materials:** \$80 **Instructor:** Eliana Sekkidou **MAXIMUM STUDENTS:** 10 students

**CRAFTING FOR FUN AND PROFIT** 6-12 (CRA200)

In this class, students will explore the wonderful world of crafting through projects for themselves as well as others. Working within our budget, I will select a few projects myself and then the class will brainstorm our other projects based on expense/time/profitability. We will look to participate in one Winter Craft Fair where we will sell what we make, and have the option of participating in another craft fair in the spring. Income derived from the craft fairs will be used to fund further class project

**Homework:** Occasionally students will be asked to research or brainstorm possible projects and print out their ideas and bring them to class. **Tuition:** \$120 **Materials:** \$50 **Instructor:** Renee Hagan  
**MAXIMUM:** 12 students

### **KNITTING AND CROCHET** 4-up (CRF200) *Enrichment*

Learn to express your creativity through a new medium: YARN! Students will be introduced to types of yarn, and taught basic knit and crochet stitches. Then creativity takes flight through a selection of patterns chosen to inspire students and show them how this skill, which is usually associated with little old ladies, can be used to create decorations, toys and even clothes! **Required Equipment:** \*Students will be given a list of required sizes of knitting needs and crochet hooks at Open House; 1” three-ring binder; **Homework:** No more than 1/2 hour per week, plus practicing skills **Tuition:** \$120 **Materials:** \$45 **Instructor:** Amanda Tressler **MAXIMUM:** 10

### **RECYCLED/ REWORKED SEWING and CRAFTS** 5th-up (CRF300) *Enrichment*

Recycled sewing and crafting are the newest trends in crafts and design. Imagine refashioning pre-made garments into personalized items, or turning an empty juice pouch, plastic bags and even plastic bottles into totes! Students will learn how to turn junk mail into handmade paper/journals, use old game pieces to create personalized jewelry, and create beautiful projects such as pillows, scarves, and stuffed animals out of recycled fibers and materials. It is not only budget friendly, but earth-friendly as well! **Tuition:** \$120 **Materials:** \$64 **Instructor:** Megan Miller **MAXIMUM:** 12 students

## **Mathematics & Economics**

*After great consideration, Fireside Academy has discontinued teaching upper level math year-long courses. We firmly believe that mathematics is a discipline that requires an incremental progression and more instruction than is possible given one hour weekly class needed to ensure success. We conferred with the 25+ parents represented at a planning meeting, and agreed the best option is to offer elective math classes that support students instead.*

*We also researched and met with numerous math instructors who all agreed the best instructional math program currently on the homeschool market is **Teaching Textbooks**. Many of us are currently using it with great success in our own homes, and agree with the recommendation.*

### **BIZWORLD** 5-up (BIZ100) *Elective*

Students will be introduced to the basics of business, entrepreneurship, and money management. They will get acquainted with real-life issues such as business costs, payroll, and taxes. They will learn how to create a business plan, write checks, make deposits, work in a team, prepare for a job interview among other skills. Over the course of the year, students will develop a product based business from the idea phase through prototype development, marketing and sales at our Craft Bazaar. This course weaves together social studies (government, citizenship and the free enterprise system) with mathematics (finance and economics). **Tuition:** \$150 **Materials:** \$40 **Instructor:** Angela Landis **Maximum:** 12

### **FUN WITH MATH** 1-3<sup>rd</sup> (MAT100) *Enrichment*

This class will focus on developing an understanding of the patterns of mathematics through activities with concrete materials. The children will participate in activities using graphing, patterning, sorting and classifying, comparing, number relations and place value. The activities combined with a home math program will help a younger child see relationship and interconnections in math to greater

success. No required text , equipment, or homework. **Tuition:** \$120 **Materials:**\$30  
**Instructor:** Christine Hahn **MAXIMUM:** 12 students

**MATH STRATEGIES** 4-6 (MAT200) *Enrichment*

This class is designed for children who are just starting to learn or having difficulty memorizing multiplication facts. We will use times tales, a story based program to tackle those more difficult problems,. We will also cover problem solving, place value, fractions, graphing and other math skills through manipulatives and games. **Homework:** 5-10 minutes daily review. **Tuition:** \$120  
**Materials:**\$30 **Instructor:** Christine Hahn **MAXIMUM:** 12 students

**THAT'S LIFE** 9-12<sup>th</sup> (LIF300) *Elective,Graded HSC 0.5*

In this Family and Consumer Science class, we will be covering a wide range of real life skills that are so useful for our students to learn. Topics covered will include: setting/following a budget, credit vs debit, loans, check writing, comparative shopping, meal planning, child development/child care and more! Class time will be spent in both lecture and interactive games and activities. Class participation is expected. **Supplies/Equipment:** Students will need a three ring binder devoted to this class or a section of a larger binder devoted to this class. **Homework:** 1-2 hours weekly **Tuition:** \$150  
**Materials:** \$35 **Instructor:** Renee Hagan **MAXIMUM:** 15 students

## Science

**HIGH SCHOOL CHEMISTRY** 10<sup>th</sup> -12<sup>th</sup> (SCI302) *Core-Curriculum , graded HSC 1.0*

In this course, the fascinating subject of chemistry will be introduced. Through hands-on laboratory work and lots of problem solving, students will be amazed at the amazing order and intricacy of our world. Sixteen modules or units will cover a range of chemistry related topics including: measurements and units, energy, heat and temperature, atoms and molecules, classifying matter and its changes, counting molecules and atoms in chemical equations, stoichiometry, atomic and molecular structure, polyatomic ions and molecular geometry, acid/base chemistry, freezing point depression,boiling point elevation, properties and equations of gas phase chemistry, thermodynamics, kinetics, chemical equilibria, and reduction/oxidation reactions. Through the study of “Exploring Creation with Chemistry” by Dr. Jay L. Wile, we will comprehend and gain tremendous insight into the microscopic structure and properties of matter. Participation in our science fair is required. **Required Text:** Exploring Creation with Chemistry, by Wile, J, from Apologia Ministries. ISBN# 978-1-932012-26-2  
**Required Materials:** Bound, lined graph-paper lab notebook;1” hard binder with four dividers; Calculator **Homework:** Practically, this course should require an average of an hour a day of work. Each module will be completed in two weeks with an exam. This course also includes a laboratory component with lab reports. **Prerequisite:** Algebra I **Tuition:** \$180 **Materials:** \$15 **Instructor:** Shannon Fodale **MAXIMUM:** 7 students

**LIFE SCIENCE THRU LITERATURE** 6-8<sup>th</sup> (SCI200) *Core-Curriculum, graded*

This class will take a unity study approach to expose students to various themes in natural science: taxonomy, botany, entomology, ornithology, zoology, ecology, oceanography, and conservation. Additionally, students will learn about the various biomes in nature and the plants and animals specific to each, while following the adventures in each of the novels read. Each unit will contain mulitple

parts: literature links and hands on activities; introductions to famous naturalist and writing activities; science lessons, with worksheets and activities, and instruction in nature journaling and lapbooking.

*\*While this class is science based, portions can be credited toward language arts, fine arts, and geography.* **Required for class:** 3-ring binder w/ dividers and access to the Internet. Participation in our science fair is required. **Required Books:** *My Side of the Mountain* and *Julie of the Wolves* by Jean Craighead George; *Seaman: The Dog Who Explored the West with Lewis and Clark* by Gail Langer Karkowski; *Island of the Blue Dolphins* by Scott O'Dell **Homework:** 2-3 hours weekly **Tuition:** \$150 **Materials:** \$40 **Instructor:** Angela Landis **MAXIMUM:** 15 students

### **ELEMENTARY SCIENCE** Advanced 3<sup>rd</sup> -6<sup>th</sup> (SCI101) *Core-curriculum, graded*

This class will cover a range of elementary science concepts including, but not limited to: living things, classification, ecology the human body, weather, climate, and basic chemistry. Students will be required to participate in the science fair. There will be a few larger projects. **Required for class:** folder and pencil **Homework:** 1 hour or less weekly **Tuition:** \$150 **Materials:** \$50 **Instructor:** Melody Lee-Imhof **MAXIMUM:** 12 students

### **DISCOVERING THE OCEAN WORLD** 1-3<sup>rd</sup> (SCI100) *Core-Curriculum*

This class will use Suzanne Tates Nature Series as its literature base to help students learn about different Ocean Creatures and the problems they encounter. Most of the books are based on true stories. Class room activities will include a new book read to the children each week followed by hands on activities, role playing, and follow up worksheets.

**Required for class:** Binder/folder and colored pencils **Homework:** 1/2 hour per week

**Prerequisite:** Must be able to sit quietly during story time and be able to follow instructions **Tuition:** \$120 **Materials:** \$30.00 **Instructor:** Emily Graner **MAXIMUM:** 12 students

## **Social Sciences**

### **EARLY EXPLORERS** Adv.3<sup>rd</sup>-6<sup>th</sup> (SOC200) *Elective, Graded*

The Early Explorers class seeks to deliver a hands-on adventure on the high seas of history through the Age of Exploration. Our history study will focus on capturing students' attention with short, concise reading lessons and many hands-on projects that will drive home each lesson in a creative way. We will focus on the explorers of the New World, their daily lives, conquests and pitfalls. Projects are designed to encourage imagination, penmanship, creative writing, and critical thinking and will culminate in a beautifully laid out explorer's lap book that will display the students' completed projects. Join us as we discover why anyone in their right mind would want to brave sea monsters, pirates, boiling seas, and storms just to lay claim to a hunk of land! **Required for class:** folder, colored pencils **Homework:** 1 hour weekly; must have access to the Internet or public library for research **Tuition:** \$150 **Materials:** \$ 45 **Instructor:** Linda Burton-Hammell **MAXIMUM:** 12 students

### **HANDS-ON HISTORY: MIDDLE AGES** - 6<sup>th</sup>-8<sup>th</sup> (SOC300) *Core-Curriculum, graded*

Attentions lords, ladies, peasants, archbishops and the like – we will step back in time to discover “how things worked” during the Middle Ages. A fascinating time period spanning 1,000 years, the Middle Ages starts with the fall of Rome in 476 AD. Come with us on an exciting journey as we study the Vikings and other Barbarian invaders, the feudal system of nobles and peasants, the development of the calendar, chivalry and heraldry, the Crusades, and the influence of Christendom. Along the way, we will

read great historical fiction, be introduced to key works of literature and art of the period, and study geography of the time. Be prepared for some fun, hands-on art activities to reinforce the material. Get ready to face the Black Plague and scale castle walls.

**Required texts:** *The Door in the Wall* by Marguerite DeAngeli ISBN 13: 978-0440227793

*Adam of the Road* by Elizabeth Gray ISBN 13: 978-0670104383

*The Red Keep: A Story of Burgundy in 1165* by Allen French, ISBN 13: 978-1883937294

**Homework:** There will be about 2 hours of homework every week (depending on how quickly your child reads and completes small assignments) **Materials needed:** Notebook with pockets and lined paper. **Tuition:** \$150 **Materials:** \$45 **Instructor:** Tammy Jarratt **Maximum:** 12 students

### **MODERN WORLD HISTORY THROUGH CURRENT EVENTS** 9th-12<sup>th</sup> (SOC301)

#### ***Core-Curriculum, Graded HSC 1.0***

Students will research and analyze the history, geography, international politics, and role of the United States in current world events. Students will increase their critical thinking skills by analyzing the reliability of sources and actively searching out opposing viewpoints. They will learn to support their opinions in discussions, debates, and writing assignments. All students will complete a research paper and participate in the History Fair. Required materials: Access to the internet and to newspapers and newsmagazines, a binder with dividers. **Homework:** 3-4hrs weekly **Required for Class:** Notebook **Tuition:** \$180 **Materials Fee:** \$35 **Instructor:** Dr. Salli Wood **MAXIMUM:** 16 students

### **PSYCHOLOGY** 9th-12<sup>th</sup> (SOC302) ***Core-Curriculum, Graded HSC 1.0***

This course is designed to give the student a general introduction to psychology and its many subfields. Concepts to be covered include: scientific method and branches of psychology; states of consciousness; nature vs. nurture; nervous system and behavior; sensation and perception; learning; memory; thinking, language and intelligence; human lifespan development; motivation; and personality theory. In class, we will be focusing a great deal on round-table discussions to encourage understanding of new concepts. Students will be doing an number of hands-on projects, both independently and in groups in addition to reading and take-home quizzes. At the conclusion of this class your student will have a good introductory-level knowledge about the field of psychology and attendant issues and be well prepared to continue their studies at the university level. **Required Text:** Barron's *Psychology the Easy Way* (some copies available for purchase at Open House) **Tuition:** \$180 **Materials Fee:** \$35 **Homework:** 2-3 hours, weekly **Instructor:** Angela Landis **MAXIMUM:** 18 students

### **SOCIAL STUDIES THRU LITERATURE** 1st-3<sup>rd</sup> (SOC100)

This class will explore the year through children's literature. The focus of the class will be season, holidays, community helpers and the world around us. The class will be hands-on, including art projects and games, as well as academic activities. **Required for class:** folder and pencil **Homework:** less than ½ hour weekly **Tuition:** \$120 **Materials:** \$40 **Instructor:** Melody Lee-Imhof **MAXIMUM:** 10 students

### **WORLD CULTURES** 5-up (SOC201) ***Elective, HSC 0.5***

In this class students will explore the cultures of many different countries and their own families through student-created presentations. Each week we will begin our session with the option of sampling food from the country we will be studying. Students will be expected to work on weekly reports focusing on the language, special traditions, and daily life of each country. In-class discussion might include comparisons of our cultures and mores to those of other nations. Native animals and special/interesting facts about each culture will also be studied. This class would pair well with the

International Cooking Class. **Required for class:** 1-inch binder **Homework:** 1-2 hours weekly; must have access to the Internet of public library for research **Tuition:** \$150 **Materials:** \$65 (with food sampling) or \$25 with no sampling (or those already taking cooking class) **Instructor:** Linda Burton-Hammell **MAXIMUM:** 12 students

### Specialized ELECTIVE Classes

#### **CIRCLE TIME** K-3<sup>rd</sup> (CIR100) *Enrichment*

Circle Time will include the basics of early learning coupled with fun and guided social skills. We will use themes based around the calendar year, holidays, manners, and character building, developed through in class activities. We will incorporate traditional show and tell, journaling, and role playing.

**Homework:** Rare **Tuition:** \$120 **Materials:** \$42 **Instructors:** Diane Vence and Amy Goodman  
**MAXIMUM:** 16 students

#### **HANDS ON ENGINEERING** 6-8 (HOE200) *Elective, graded HSC 0.5*

Through the ages—from the construction of the Egyptian pyramids to the design of spacecraft—engineers have been the shapers of progress. Engineers' try different ideas, learn from their mistakes, and then try again. The steps engineers use to arrive at a solution are called the design process. As students work through a challenge, students will develop problem solving and critical thinking skills.

This class will teach students about engineering principles and concepts through customized hand on lessons. The curriculum for this class will cover standard building types and forces upon those building types, natural types of structures, simple machines, and basic civil engineering principals in the world around us. Students engage in multiple design projects learning about engineering and the engineering design process as they deepen their understanding of the underlying science principles in these topic areas. **Homework:** about 1 hour weekly **Tuition:** \$150 **Materials:** \$45 **Instructor:** Tammy Jarratt  
**MAXIMUM:** 12 students

#### **HANDS ON ENGINEERING** 9-12 (HOE300) *Elective, graded HSC 0.5*

*See description above*

**Tuition:** \$150 **Materials:** \$45 **Instructor:** Tammy Jarratt **MAXIMUM:** 12 students

#### **LEGO ROBOTICS** 5<sup>th</sup> -up (LEG100) *Enrichment*

In these classes, we'll use the LEGO Mindstorms NXT Robotics kit to design, construct, and program functional robots. Beginning students will start by using step-by-step guides to make robots that sumo wrestle, move through obstacle courses and climb across rope bridges. Advanced students will use the knowledge they've gained to create original robots to solve specific problems. Students will learn basic engineering, programming, mathematics, and physics. All projects will require a team approach and all students will participate in all aspects of the class. **Prerequisites:** Must be in at least 5<sup>th</sup> grade.

**Required for Class:** Design Notebook **Tuition:** \$150 **Materials Fee:** \$30 **Homework:** Minimal  
**Instructor:** Dr. Salli Wood **MAXIMUM:** 12 students

#### **ODYSSEY of the MIND** 7<sup>th</sup>- 12<sup>th</sup> (ODY201) *Enrichment*

Odyssey of the Mind encourages creative, out-of-the-box thinking, problem solving, and working as a member of a team; all in the context of having fun (sometimes really silly fun). Participants will solve mechanical, verbal, physical, and mental problems and in the process will learn to brainstorm, evaluate ideas, make decisions, lead, follow, express themselves, and gain self-confidence. There will be some

competitive aspects to our activities. **Tuition:** \$120 **Materials:** \$30 **Instructor:** Dr. Salli Wood  
**MAXIMUM:** 16 students

### **Specialty Clubs**

#### **GAME CLUB** K-12 (CLU200) *Club*

Does your child enjoy playing games but has few others to play them with? Would your child like to learn some new games? Would you like your child to learn some new educational games while developing new friendships? Then you may want to give Game Club a try. Game club is a wonderful way to wind down the day. Participants will have the opportunity to play many traditional board and card games, as well as some new favorites. Students can also bring their games from home to share. Although the club covers a wide age range, participants will play against others with the same ability level and interests. Plans for some game competitions are in the works **Tuition:**\$45 **Materials:** \$15  
**Advisor:** Emily Hassler

#### **YEARBOOK & NEWSLETTER** 7<sup>th</sup> up (YEA300) *Club*

Students will actively participate in all aspects of yearbook production: layout, graphic design, computer skills, publicity, photography, and assembly. They will also contribute to our monthly newsletter with articles, interviews, reviews, creative pieces, and more. Students will learn how to utilize Microsoft Publisher, Print Shop, and Microsoft PowerPoint. Each will design their own PowerPoint presentation to present to the class in spring. **Required Text:** None **Supplies:** Binder or folder for work. Digital cameras helpful but not required; an email account is strongly encouraged for submitting items for publication. Laptops are welcome in class. **Homework:** One hour weekly, plus possible additional meetings in spring to finish up yearbook. **Tuition:** \$90 **Materials:** \$30 **Instructor:** Laurel Wenson **MAXIMUM:** 8 students

(Updated June 11<sup>th</sup>, 2011)