



## HomeLink Education Course Descriptions Fall 2009

### Elementary Level Courses

#### WRITING

**Institute for Excellence in Writing** presents a system of structural models and stylistic techniques applicable for students of all ages and aptitudes. Unlike many creative writing programs, this classical system stresses modeling and builds a firm foundation of specific skills. As students practice each format and master each technique, they develop confidence and creativity.

**Elementary IEW 3<sup>rd</sup> grade and up.** This IEW unit uses resources from classical children's literature providing characters and adventures that will capture your students' imagination and provide rich writing content. Students will learn how to take notes, summarize narrative stories, summarize references, write from pictures and compose their own fables, and fairy tales. *Grade level: 3<sup>th</sup> grade and up Course length: 2 semesters*  
*Advisor: Jennifer Obranic Materials fee: TBA Course Length: 2 semesters Time: 10:00- 11:00*

**PoeArtry:** This unique 8 week course will provide a creative approach to teaching poetry and art. Students will be introduced to selected poems, writing techniques and themes and develop their own poetry. They will respond to poetry through art.  
*Advisor: Michelle Putnik Grade level: 5<sup>th</sup> grade and up Course length: 8 weeks Materials fee: TBA Time 1:30 to 3:00*

#### MATH

**Financial IQ:** This course will give young students an early understanding of finances; teaching life-long lessons in cash flow management. They will become familiar with terms as assets, liabilities, types of income, and the difference between expenses that are essential and optional. Using a hands-on, fun method, students will have a financial head start as they learn to invest, keep accounts, and watch the result of their financial choices.  
*Advisor: Sharon Russell Grade Level: Upper Elem Course Length: 8 weeks Time: 9:00 – 10:00*

#### SCIENCE

**Apologia Science - Elementary Science:** The science series by Jeannie Fulbright uses the classical and Charlotte Mason methodology of narration and notebooking to encourage critical thinking, logical ordering, retention and record keeping.

##### **Apologia Science Exploring Creation with Zoology 1 – Flying Creatures**

Students will have fun exploring Birds, Bats, Bugs, and Butterflies through hands-on activities and projects. They will learn about birds, feathers, eggs, flight, and migration. Each lesson will include identifying birds of Florida and the calls they make. Projects will include making bird feeders and bird houses. Other kinds of activities will be learning about bats, collecting and identifying insects, watching the metamorphosis of butterflies and moths, participating in a scavenger hunt, and much more! Text: Exploring Creation with Zoology 1, by Jeannie Fulbright  
*Advisor: Gayle Obranic Grade level: K – 2 Course length: 2 semesters Materials Fee: TBA Time: 12:30 – 2:30*

**Apologia Science Exploring Creation with Zoology 2 - Marine Science:** Come join us on a “submarine ride” into the undersea world of animals that live in the ocean – dolphins, whales, seals, sea turtles, octopus, shells, penguins, and many more. Students will explore the habitats of coral reefs, tidal pools, abyssal plains, and oceanic trenches. Throughout the year, they will create an “ocean box aquarium” with replicas of the creatures they have studied. Hands-on experiments and projects will reinforce the scientific methods and concepts learned. Text: Exploring Creation with Zoology 2, by Jeannie Fulbright  
*Advisor: Gayle Obranic Course length: 2 semesters Materials fee: TBA Time: 11:00 – 12:00*

##### **Elementary Chemistry**

HANDS-ON CHEMISTRY “FIZZ, BUBBLE, AND FLASH!”

This course will truly ignite an interest in chemistry by introducing the elements of the Periodic Table through cool chemistry concoctions. Students will discover, make it happen, investigate, and get the inside scoop on how these elements work. Exploration will also include OOZING, GOOZING, and SLIMING while having fun learning about chemistry  
*Advisor: Gayle Obranic Course length: 2 semesters Materials fee: TBA Time: 12:00 – 1:00*

### Learning with Legos:

#### LEGO MECHANICAL PRINCIPLES (PHYSICS)



This course is designed to help young students discover basic concepts of physics in a creative hands-on method through the manipulatives of LEGO models. They will begin with understanding **SIMPLE MACHINES**, such as wheels and axles, gears, levers, and pulleys. Next, the students learn how to incorporate simple machines as drivers and followers, fulcrums, pivots, and compound belt drives, together to make **COMPOUND MACHINES**. The models are then brought to life by using motors to make **MOTORIZED MACHINES**. They will learn about powered forces, motion, measurement, energy, magnetism, and gravity. In the last quarter of the course, they will study **PNEUMATICS**. Students build air-powered mechanical LEGO devices using air tanks, pumps, and pistons while they learn about properties of air molecules, air pressure, vacuums, different energy forces, and airflow circuits.

Throughout this course, students discover problems and invent solutions by making their own discoveries along the way. Working in pairs, students develop communication and cooperation skills as they collaborate to solve problems that are fun, engaging, and relevant to real life situations.

*Advisor: Ashley Obranic Grade Level: Elementary level Course length: 2 semesters, 1.5 hours*

*Materials fee: \$30/semester Class limit: 10 students*

*Time: 9:00 – 10:30 and 10:30 – 12:00*

### LEARNING WITH LEGOs:

#### LEGO ROBOTICS ENGINEERING \*

Students will use their creativity and teamwork to design, create, and build full-fledged LEGO robots that are programmed to complete tasks by using computers. The students will program the robots that they build using light, touch, and sound sensors to perform tasks. The students will learn how to do age appropriate computer programming while they expand their knowledge of physics from the previous year's **LEGO MECHANICAL PRINCIPLES** course\*. This is a fun way to learn robotics and is a must for any aspiring engineer and young inventor!!

\*This is the second course for students that have completed the year-long **LEGO MECHANICAL PRINCIPLES** class.

Completion of year one is a **required pre-requisite** for this ROBOTICS ENGINEERING class.

*Advisor: Ashley Obranic Grade Level: Elementary Course length: 2 semesters, 1.5 hrs Materials Fee: TBA*

*Time: 3:00 – 4:30*

## ELECTIVES

**Elementary Art** This course will lay the foundation and continues to build from the basic principles of art; line, color and composition. The student will gain a greater proficiency in drawing as well as learning the technique of other media like acrylic, tempera, oil pastels, pastels, collage and sculpture. During each quarter Art appreciation will also be covered by studying 4-5 works by an individual artist.

*Advisor: Charlotte Kirkhilt-Ferri Course length: 4 quarters, 1 hour*

*Quarter 1- Drawing, Quarter 2 – Painting, Quarter 3 – Sculpture, Quarter 4 - Collage*

*Material fee for each quarter: \$10 Grade Level: First through fifth. Time: 11:00 – 12:00*

**Pottery:** Elementary students will hand- build their designs using various techniques and tools. They will learn terminology as scoring, lip, wedging, bisque, as well as the properties of clay, finishes, firing, decoration and glazing.

*Advisor: Henny Bulten Grade level: Elem Course length: 8 weeks Materials fee: \$20.00 Time: 9:00 – 10:00*

### Textiles in Weaving and Stitchery

This course will explore the ancient art of weaving as students will learn the technique of warp and weft on their own constructed looms. They will experiment with texture, color, embellishing their designs with flexible materials as wool, ribbon, yarn, fabric strips, raffia, and twigs as they design their work. The stitchery unit will introduce students to basic embroidery stitches as they stitch with yarn on burlap. Students will create a sampler of stitching work incorporating their skill creating a wall hanging or framed design.

*Advisor: Henny Bulten Grade Level: Elementary Level Length: 1 hour, 8 weeks Materials fee: \$10.00*



**Beginners Handbell Choir** Ringing in a handbell choir teaches students to read music, enhances their appreciation of music and gives them an opportunity to work as a musical team. Students do not need musical experience as they will be instructed in basic music principles including music theory, rhythm, musical notation as well as how to handle and ring handbells. They will begin with a single bell, adding more as they develop their skill. This is an excellent approach to musical awareness and preparation for future instrument instruction. There will be a performance at the close of the 8 week session.

*Advisor: Jennifer Obranic Materials fee: TBA Course Length: 2 semesters Time: 1:30 – 2:30*

**American Sign Language (ASL) for Elementary Students:** This course will focus on developing the basic expressive and receptive skills necessary to communicate with deaf persons. Course content includes signs, fingerspelling, numbers, and grammatical and cultural information. Classroom exercises, homework and other activities are designed to help students feel comfortable and confident using the skills they acquire during this course. *Text: Learn to Sign the Fun Way! By Penny Warner*  
*Advisor: Hilary Ainbender Grade Level: Elementary Course length: 1 year Time: 9:00- 10:00*

### Latin I

Latin I sets up the framework for learning Latin from a classical, Trivium based approach and uses ecclesiastical pronunciation. Vocabulary, systematic grammar, practice exercises, noun, adjective and verb endings (declensions and conjugations) are taught. We will also touch upon Roman history and culture and motivate learning with songs, prayers and games. The most practical reason for Latin study is that it gives students the tools to decode many of the unfamiliar English words. It is the key that opens the door to not only the English language but also to the Roman languages.



*Grade Level: Elementary/Middle school Text: Latina Christiana I student workbook. Memoria Press.*  
*Advisor: Charlotte Ferri. Course length: 2 semesters Time: 9:00 – 10:00*

**Pack Your Bags!** A creative **Geography** class where kids become World Travelers and experience God's amazing world through: Food, Language, Art, and Games. The **PACK YOUR BAGS!** Geography Lessons will include: Geography Terminology, How to Use a Globe, How to read Maps, Weather, Biomes, Hemispheres, Longitude/Latitude, Continents, and so much more! At the course conclusion of this hands-on class, students will travel with their passports to various countries viewing their classmates' presentations, including interesting facts as; prepared food, dress, music or other cultural highlights. Supplies needed: 1" Notebook Binder, Pencils, Colored Pencils, Scissors, Lined Paper, Ruler. Other Class Costs to be announced.

*Advisor: Michelle Putnik Grade Level: 3 – 5<sup>th</sup> Materials Fee: TBA Course Length: 1 semester, 1 ½ hours Time: 12:30 – 1:30*

### Florida History and Florida History through Architecture

**Quarter One** will cover Florida history beginning with its earliest inhabitants, the Spanish and French rule, Florida's part in the American Revolution, becoming a territory, the Seminole Wars, the effects of WWI, WWII, the railroads, and on to the present including state geography and resources. Little Red Schoolhouse field trip is included.

**Quarter Two** will focus on our local Florida Heritage Education, including figures as General Worth, Frank Dimick, Henry Flagler, Addison Mizner, including architectural history. Class sessions will comprise slide lectures focusing on the early history of Palm Beach and its architecture. Field trips will include local tours of land marks and the Flagler Museum. The final activity is the design and construction of a model house building. This one-semester course is designed for 4th grade and up.



*Text: Florida USA by Silver Burdett. Grade level: Elementary Course Length: 1 semester Time: 9:30 – 10:30*



**Drama:** Drama is designed to teach students of all ages the various elements of theatre, from stage design to the art of acting. The students will learn improvisation, script writing, film-making, and stage acting while building teamwork and self-confidence through a fun-filled environment. This course is designed for the introverted and extroverted child alike. The goal of this course is to assist children of all ages how to positively find their inner voice.

*Advisor: Rosa Madrigal Course length: 2 semesters Grade level: Age 7 through high school*

*Materials fee: TBA*

*Time: 12:00 – 1:00*

**Red Cross Babysitting Course:** This course will provide the knowledge and skills needed to provide safe and responsible care for children and infants. Topics cover leadership, safety, child development, emergencies, and first aid. Students will receive certification at completion of the course.

*Advisor: Anne Mejeur Course length: 8 weeks Grade level: upper elem/MS Materials fee: \$15:00 Time: 3:00 to 4:00*