

# Course Descriptions 2009-2010

## **Adventures in Writing (A): Janet Beavin** (955-6193 janetbeavin@comcast.net)

Recommended grades 7 – 8

This foundational class introduces the writing elements, which are used to construct interesting sentences and well-crafted paragraphs. Students will write weekly compositions. Second semester focuses on writing a five-paragraph paper each week. All students must submit a writing sample prior to enrollment.

Material fee: \$10

## **Algebra I (A): Richard Lump** (540-665-0306 relump@allwayslearning.com)

Recommended grades: 8– 10

This course will teach the basic concepts of Algebra using short lessons with lots of examples and guided application. It will meet standards that are recommended by the National Council of Teachers of Mathematics and includes Pre-algebra arithmetic, linear equations, factoring, inequalities, rational and irrational numbers, geometry, and quadratic equations. There will be weekly tests or quizzes. Required Text: Beginning Algebra 4<sup>th</sup> edition by K. Elayn Martin-Gay (ISBN# 0-13-144444-1)

Homework requirement is approximately hour per day. Material fee: \$10

## **Algebra II (A) – Eunice Myers** (540)869-6852 djemmyers@verizon.net')

Recommended Grades: 9 -11

This course expands upon the topics of Algebra I including rational expressions, radicals and exponents, linear functions, quadratic equations, systems of equations, and applications. If time allows, exponential and logarithmic functions, and conic sections will also be covered. Required textbook: Intermediate Algebra 4<sup>th</sup> edition by K. Elayn Martin-Gay (ISBN# 0-13-186845-4) It may be purchased new at Lord Fairfax Community College Bookstore, or used at numerous online vendors.

Material fee:

## **Apologetics (E): Diane Gum** (540-837-2038 gum.diane@yahoo.com)

Recommended grades: 7–12

We will be watching and discussing 30 minute curriculum videos by Answers in Genesis, an apologetics ministry who believes God from the very first verse of the Bible. (Their website is [www.answersingenesis.com](http://www.answersingenesis.com).) We will see how one's world view colors one's belief system, and how to combat a secular world-view. If needed, the fall and winter sessions of this class can be two completely different sets of videos. Therefore, a student can take both sessions without repeating identical class material.

Material Fee: \$25

## **Apologia Biology (A): Cindi Bixler**

Recommended grades: 9 – 12 Prerequisite: Apologia Physical Science and Algebra I (unless teacher approved)

This course is a college-prep Biology course that provides a detailed introduction to the methods and concepts of general biology. Heavily emphasizing the vocabulary of Biology, it provides the student with a strong background in the scientific method, the five-kingdom classification scheme, microscopy, biochemistry, cellular biology, molecular and Mendelian genetics, evolution, dissection and ecosystems. It also provides a complete survey of the five kingdoms in creation. Please NOTE: Students must purchase *Apologia Exploring Creation with Biology 2<sup>nd</sup> edition w/ solutions manual*. Class size is limited to 14 students.

Materials fee: \$15

## **Apologia Biology Lab (I): To Be Determined**

Recommended grades 9 – 12

Companion course to Apologia Biology. Microscopic observations and dissection work are included. Class size is limited to 14 students.

Material fee: \$30

## **Apologia Chemistry (A): Tina Badley** (304-258-9536 tbadley@juno.com)

Recommended grades: 11 – 12; prerequisite: Biology and Algebra II (unless teacher approved)

This rigorous high school course will cover basic principles of chemistry such as atomic and molecular structure, energy, heat and temperature, acid/base chemistry, chemistry of solutions, thermodynamics, nomenclature, kinetic theory, chemical equilibrium, and oxidation/reduction reactions. Expect at least an hour's worth of homework each night. The lab is taught as a companion course and is required. (This course may extend beyond the traditional dates for SAIL in order to complete the course.) Students are required to purchase *Exploring Creation with Chemistry, 2<sup>nd</sup> edition w/ solutions manual*. Class size is limited to 14 students.

Material fee: \$10

## **Apologia Chemistry Lab (I) Tina Badley** (304-258-9536 tbadley@juno.com)

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Recommended grades: 10 – 12

Companion course to Apologia Chemistry. Class size is limited to 14 students.

Material fee: \$25

**Apologia General Science (A): Angie LeMay** (540-869-7944 itimesaver@wmconnect.com)

Recommended grades: 7 – 8

This course is an excellent introduction to the series of Apologia texts by Dr. Wile. The material is appropriate for grades 6-8.

The book covers such topics as: the scientific method, designing experiments, simple machines, archeology, geology, paleontology, biology, and human anatomy and physiology. Students will participate in experiments and discuss the text in class. Approximately 4 – 5 hours of homework per week are required. Students must have a copy of the text, *Exploring Creation with General Science 3<sup>rd</sup> edition w/ Solutions Manual*. Class size is limited to 14 students.

Material Fee: \$10

**Apologia Physical Science (A): Beth LaRusso** (304-229-1411 LaRusso6@MSN.com)

Recommended grades: 8 – 9

Students will use *Exploring Creation with Physical Science 2<sup>nd</sup> edition* by Dr. Jay L. Wile.

Students must have *Exploring Creation with Physical Science 2<sup>nd</sup> edition w/solutions manual*; calculator (a basic one is fine). It is recommended that students also have 3 by 5 index cards, *Exploring Creation with Physical Science Companion CD-ROM* (highly recommended, and audio textbook CD (a wonderful help for audio learners.) Class size is limited to 14 students. Homework requirement : 45-60 minutes per day. Prerequisite: General Science strongly recommended.

Material Fee: \$13

**Before You Meet Prince Charming: A Guide to Radiant Purity (E): Julie Guz-Montgomery** (540-662-8735

guzmonty@yahoo.com) **FOR GIRLS ONLY**

Recommended grades: 7 – 10

This book is a Bible-study that combines a captivating fairy tale with modern examples, instruction, and humor. Young ladies will be challenged to guard their hearts, avoid the world's thinking, and shine brightly.

Material fee: \$10

**British Literature (A): Janet Beavin** (955-6193 janetbeavin@comcast.net))

Recommended grades: 11 – 12 (teacher approval required)

A survey class that covers the highlights of British literature. Fall session includes: *Beowulf*, selections from *Canterbury Tales*, *Paradise Lost*, *Gulliver's Travels*, *Robinson Crusoe*, Arthurian legends, *Macbeth*, *Pilgrim's Progress*. Winter session covers *Frankenstein*, *Jane Eyre*, *Tale of Two Cities*, *Pride and Prejudice*, *Great Divorce*, *War of the Worlds*. Students will read *Silas Marner* and *The Hobbit* after SAIL finishes. Students are responsible for purchasing their own books. Students will be given a book list with the titles/editions to be used.

Materials fee: \$5

**Career Counseling (I): Michele Thoburn** (540-542-6776 artz2U@ yahoo.com)

Recommended grades: 7 – 12

Students will have the opportunity to take the Meyers-Briggs Personality, the Holland Code and other career tests to assess the students' interests, personalities, and skills, in order to identify career goals. During the latter part of the course the students will practice resumé writing, networking skills and interview tips, as well as explore college choices and alternatives. The homework is minimal, approximately 1 hour a week, and is usually optional.

Materials fee: \$25 (includes career tests)

**Cartooning (E): Michele Thoburn** (540-542-6776 artz2U@ yahoo.com)

Recommended grades: 7 – 12

The basics of cartooning and comic strip illustration will be covered during this one semester class.

Material fee: \$25

**Chorale (E): Karen Schlosser** (540-868-2878 kschlos@yahoo.com)

Recommended grades 5 – 12

This course will cover ensemble practice and basic choral singing techniques as well as basic note reading. We will cover various styles of music which will include any of the following: sacred, folk, spirituals, vocal jazz, classical. We will aim for quality performances. Jr. Sail members 5<sup>th</sup> grade and up are also welcome!

Material fee: \$10

**The Civil War: America's Turning Point (A): Marie Culbreth** (540-667-1399 culbreth@ieee.org)

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Recommended grades: 7 - 10

The American Civil War is fundamental to US history, but often the scope of its importance is lost. The Civil War impacted not only the US, but the entire world, in how war was waged, on how democracy was seen, and how a nation survived a crisis of "rebellion" and racial tension. This course will cover American history from The American Revolution to the end of Reconstruction, covering the events as they relate to the Civil War. The main class product will be a lapbook, with the each student doing a research project, oral report, and written report on a topic of their choice related to the Civil War.  
Material fee: \$30

**Computer Applications: Using Microsoft Windows Applications (A): Marie Culbreth** (540-667-1399 culbreth@ieee.org)

Recommended grades: 7-12

As our children move into higher learning, they need the tools to succeed. The Microsoft Office tools are the industry and scholastic standard, but most students do not know how to do more than type in these applications. This course will allow the students to learn how to integrate the most-used and powerful applications in Office: Word, Excel, and PowerPoint. First, students will create a document, using Word, which will auto-generate a table of contents, end notes page, and title page. The document will also incorporate at least one table imported from an Excel spreadsheet, as well as a chart generated in Excel. The document content will NOT be the focus of the class, but is merely a learning exercise for understanding how to fully utilize Word, and how to import items from different tools, enabling students to carry these skills to college or the workplace. The final product of the class will be a printed document, with sections, headings, table of contents, and notes page; it will also have a table and chart imported from Excel. In addition to the document, each student will create a PowerPoint presentation that imports information from the Word document and Excel spreadsheet and chart. Each student will be required to have a laptop running Windows, and at minimum, Microsoft Office 2003; Microsoft Office 2007 is preferred. Supplemental handouts will be necessary, since there are multiple versions of the software that will potentially be used by students. The text used, which must be purchased by the student, will be: *EITHER Microsoft Office 2007* (Benchmark Series, ISBN 978-0-76382-999-5 for XP; ISBN 978-0-76383-061-8 for Vista) OR *Microsoft Office 2003* (Benchmark Series, ISBN 0763820539 – NOTE: THIS BOOK IS OUT OF PRINT AND IS HARD TO FIND; UPGRADING SOFTWARE IS HIGHLY RECOMMENDED.

Material fee: \$20

**Computer Applications: Introductory Web Design (A): Marie Culbreth** (540-667-1399 culbreth@ieee.org)

Recommended grades: 8-12

Web design is a programming skill in high demand today; it can become a niche career itself, if you have the know-how! This class will only introduce basic web design, but will set a solid foundation for creating web pages and websites for anything. The class will use a free downloadable software, Joomla!, a popular content management system (CMS). As a text, the class will use the book *Joomla! A User's Guide – Building a Successful Joomla! Powered Website*, which must be purchased by each student. The class will touch briefly on using javascript and basic html, but only briefly. The majority of work will be using Joomla! At the end of the 12 weeks, each student will have created at least one web page with different types of content, designed by them, and have the ability to upload that to the internet, *only with a parent's direct assistance*. Each student is required to have a laptop, running a Windows platform, with sufficient memory and hard disk space to allow for downloading Joomla! and other software needed to create web pages. Supplemental handouts will be provided to the class covering javascript, html, PSP, style sheets, and other related information. Complete details on hardware and software requirements will be given to those who register for the class.

Material fee: \$20

**Creating Design (E): Kathleen Forgues** (540-722-5046; kjforgues@aol.com)

Recommended grades: 7 – 12

In this class we will explore various elements of design, as well create our own using a variety of mediums. Our projects will include, among other things, a mosaic using natural products, and our own stamp creations! You do not need to have had a previous art class to take this course.

Material fee: \$15

**Current Events (E): Donna Diaz** (540-868-0806 Robpt@aol.com)

Recommended grades 7–9

Using God's World literature, students will discuss current events. Minimal homework required.

Material fee: \$12

**Drama (E): Sara Watson** (540-822-5680 ,5watsons4him@loudounwireless.com) **and Karen Schlosser** (540-868-2878 kschlos@yahoo.com)

Recommended grades: 7 – 12

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Mrs. Watson and Mrs. Schlosser are looking forward to joining forces with their experience in both drama and music to produce a small scale musical or play for performances tentatively set for March 2010. They hope to introduce new actors to the dramatic arts, as well as, enhance the acting skills and dramatic techniques of seasoned actors. Upon enrollment in this class each student will be asked to complete a questionnaire in order to help to select an appropriate musical. Each student will need to prepare and perform a 3 to 5 minute dramatic presentation which will be presented during the 2<sup>nd</sup> week of classes. These presentations will help to cast the students in the proper acting roles. Students will also participate in researching time periods and costumes, collecting props and working on a set for the musical. Class openings: 11.  
Materials fee: \$35

**Drawing (E): Cindi Bixler** (540-955-2196 bixler12@verizon.net)

Recommended grades – 7 – up

This course is a drawing course covering the use of pencil, pen and pastels. Class goals include familiarizing students with line drawing, shading and use of various mediums. An introduction to the masters and their techniques will be included. Students will be required to do a weekly sketch in class which will include subject matter of still life, landscapes and abstract art. We will look at various artists and their use of mediums and attempt to reproduce similar works.

Material fee: \$7

**English from the Roots Up (I): Ellen Rogers** (540- 955-6380 , eor714@verizon.net)

Recommended grades: 7–9

Knowledge of the Latin and Greek origins of English words can (1) expand a one's *vocabulary*, and (2) increase one's *understanding* and *enjoyment* of the English language. In this class students will learn many of the most commonly used Latin and Greek roots, as well as English vocabulary derived from those roots. In addition, the class will explore some interesting and quirky aspects of our beloved language, including ambiguities, oxymorons, palindromes, and anagrams.

Materials fee: \$10 (Students will need to have a small amount of space available in a 3-ring binder for handouts.)

**Home Economics (E): (fall and winter sessions): Diane Gum** (540-837-2038 gum.diane@yahoo.com)

Recommended grades: 7 – 12

We will be learning various skills necessary for living on your own such as cooking, mending, ironing, and shoe shining! The vast majority of classes will be cooking and baking, getting familiar with measurements and other kitchen terms, and learning how to adjust recipes. If needed, the various sessions of this class will be different recipes. Therefore, a student can take more than one session without repeating cooking lessons.

Material fee: \$35/semester

**Medieval History (A): Donna Diaz** (540-868-0806 Robpt@aol.com)

Recommended grades: 8 and up

Using the Beautiful Feet curriculum, this class will study Medieval, Renaissance, and Reformation history. Beginning at the era of the Magna Charta in 1215, the class will culminate with the early Pilgrim colony of 1620. Homework is approximately one hour per day. Required Book List (must have books before they are needed for homework):

The Story of Liberty by Charles C. Coffin

The Magna Charta by James Daugherty

In Freedom's Cause by G.A. Henty

Castle and Cathedral by David MacCauley

The Morning Star of the Reformation by Andy Thomson

The Monk Who Shook the World by Cyril Davey

Fine Print by Joann Burch

The World of Columbus and Sons by Geniveve Foster

The Hawk That Dare Not Hunt By Day by Scott O'Dell

Optional Reading: Otto of the Silver Hand by Howard Pyle

Adam of the Road by Elizabeth Gray

The Door in the Wall by Marguerite DeAngeli

The Trumpeter of Krakaw by Eric P. Kelly

Material Fee: \$15

**Old Testament Survey (A): Beth LaRusso** (304-229-1411 LaRusso6@MSN.com)

Recommended grades: 9-12

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For each Old Testament book we will address the background information, the purpose, message, structure and major themes. We will look at issues of interpretation, geography, archaeology, history, formation of the Old Testament canon and its relationship to the New Testament. Materials needed for class: Bible, 3 ring binder, and textbook to be announced (most likely we will be using *A Survey of the Old Testament 3<sup>rd</sup> edition* by Andrew E. Hill, John H. Walton. This is a college textbook but is also a great lifetime resource with maps, photos, timelines, and charts.) Homework requirement: 30 minutes per day  
Material fee: none

**Painting (E): Cindi Bixler** (540-955-2196 bixler12@verizon.net)

Recommended grades – 7 – up (prior art experience helpful)

This course will be on watercolors. We will explore different techniques, uses of various tools and various watercolor artists.

The class will allow for 2-3 paintings to be completed over the time allotment of the semester.

Material fee \$8.00

**Personal Finance (A) (winter session): Lori Illsley** (540-868-2940 homeschool4mine@comcast.net)

Recommended Grades: 9 -12

The purpose of this course is to learn the necessary skills to be financially responsible in college and beyond. Students will learn how to write checks, balance the check, determine personal monthly expenses, keep track of "swipe" card, credit card wisdom, coupons/savings/sales, and "real" car expense such as taxes, insurance, brakes, tags, etc. Homework requirement: 1 hour per week

Material Fee: \$15

**Responding to Literature (A) (winter session): Janet Beavin** (955-6193 janetbeavin@comcast.net)

Recommended grades: 8 –10

This is fast-paced literature discussion class, covering key literary elements, analysis, and composition. Titles will be as follows:

The Yearling (read over winter break), The Pearl, Animal Farm, The Black Arrow, To Kill a Mockingbird, Kidnapped, and The Hiding Place. Students will be required to read Across Five Aprils, Joni, and Watership Down after the SAIL semester ends.

Students must provide their own books.

Materials fee: \$5

**SAT Prep (I) (fall session): Richard Lumpp** (540-665-0306 relumpp@alwayslearning.com)

Recommended grades: 11 – 12

Using the Official SAT Study Guide, students will learn test-taking approaches, how to write essays, and take practice tests.

Homework will include approximately 30 minutes of reading per night. Textbook purchase is optional.

Material fee: \$15

**Self-Defense (I): Boyce Martial Arts** (869-5900, bmastephenscity@aol.com)

Recommended Grades: 7 – 12

This class will focus predominantly on physical maneuvers intended to prevent or escape from attack, including proper form and techniques for protection and defense. Safety tips and precautionary measures will also be stressed. Students should dress in comfortable sports clothes and shoes (no skirts, heels, sandals, etc.)

Material fee: none

**Seams Interesting (E) (winter session): Rose Tasker** (974-5904, pasewright@comcast.net)

Recommended Grades: 7 - 12

The teaching method in this introductory course is creative, and the project choices unique, so that should be enjoyed by both boys and girls. By the end of the semester, students will have gained a knowledge of the basics of sewing terminology, pattern purchasing, pattern reading, and textiles identification, and will be able to do simple projects on their own. Students must have a portable sewing machine.

Materials fee: \$25 (includes dressmaking shears, pins, tape measure, seam ripper, and other tools.)

**Shakespeare I (A) (winter session): Janet Beavin** (955-6193 janetbeavin@comcast.net)

Recommended grades: 9–12, teacher approval required

Welcome to the world of the Bard of Avon! Using hands-on projects, simple memorization and presentations, students will read, study and enjoy *A Midsummer Night's Dream* and *Julius Caesar*. Students must purchase the New Folger edition of the books. A viewing of *Henry V* is scheduled outside of SAIL.

Material fee: \$5

**Spanish 1 (A): Aurelie Schmid** (540- 665-8396 radwschmid@juno.com)

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Recommended grades 7 – 10

We will explore Spain and the distinctive Spanish-speaking cultures as well as build skills and develop strategies for communication. Homework requirement: 1/2 an hour to 45 minutes daily. Required textbook: Exprésate 1 to be purchased by the student.

Materials fee: to be determined

**Spanish 2 (A): Aurelie Schmid** (540- 665-8396 radwschmid@juno.com)

Recommended grades 7 – 10

This course is open to students from Spanish 1B or teacher's authorization. We will explore Spain and the distinctive Spanish-speaking cultures as well as build skills and develop strategies for communication. Homework requirement: 1/2 an hour to 45 minutes daily. Required textbook: Exprésate 2 to be purchased by the student.

Material fee: To be determined

**Speech I: Youth Leadership (E) Lou Einstman** (540-888-3132 einstman@yahoo.com)

Recommended grades 7 – 12

Youth Leadership - An informal course in the arts of communication and leadership, this class will prepare the students for public speaking and how to conduct meetings. Students will be required to prepare and present at least three speeches, as well as evaluate the speeches of classmates.

Material fee \$5

**Speech II: Advanced Speech(E) Lou Einstman** (540-888-3132 einstman@yahoo.com)

Recommended grades 7 – 12

Youth Leadership is a prerequisite for advanced speech. In this program young people will expand on the principles learned in Speech. The speeches will longer and more challenging subject matter will be introduced. There will be sessions on Forensics and Debate which will enhance their research skills and their ability to think on their feet. Debate will also enhance their listening skills by encouraging them to listen attentively to their opponents' arguments in order to formulate rebuttal.

Material fee \$5

**U.S. History (A): Angie LeMay** (540-869-7944 itimesaver@wmconnect.com)

Recommended grades: 10 – 12

Using A Patriot's History of the United States by Larry Schweikart and Michael Allen (ISBN# 798-1-59523-032-4), the student will gain an honest understanding of how our country was founded. The authors believe that a true evaluation of the history of the United States is very important. Through this text the student will recognize that, compared to any other nation, America's past is a bright and shining light. The authors state, "America was and is, the city on the hill, the fountain of hope, the beacon of liberty." This course will require a great deal of reading. Along with end-of-chapter tests, there will be outside literature reading and an end of the year term paper.

Material fee - \$10

**World Geography: (A) Donna Diaz** (540-868-0806 Robpt@aol.com)

Recommended grades: 8 – 10

This class will study each continent of the world as well as create a 20" X 30" map following an equi-rectangular projection of the world. Homework is approximately one hour per day.

Material fee: \$50, which includes a current atlas of the world

**World History: (A) Angie Lemay** (540-869-7944 itimesaver@wmconnect.com)

Recommended grades: 9 – 10

Using Streams of Civilization Vol. II, students will study in depth the rise of modern civilization from a Christian perspective. We will accomplish this through the study of the text, special projects, and outside literature sources. The text begins with the 16th century world and ends with the beginning of the third millennium.

Material fee: \$10

**Writing for Mastery (A) (fall session): Janet Beavin** (955-6193 janetbeavin@comcast.net)

Recommended grades: 9 – 12, teacher approval required

Building upon the Adventures in Writing guidelines, students in this advanced class will practice a variety of writing techniques and develop research skills. Topics include a personal essay, biography research, a 4-6 page research paper, developing style, and more. Time requirement: 30 – 40 minutes/day. New students must submit a writing sample.

Material fee: \$5

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**Writing Spectrum: (A) (fall session): Janet Beavin** (955-6193 janetbeavin@comcast.net))

Recommended grades: 8 – 10, teacher approval required

Building upon the elements introduced in Adventures in Writing, this intermediate level class covers different genres of composition - narrative, fable, devotional, exposition, compare and contrast, anecdote, persuasive, proverb, imitation, and thesis. New students must submit a writing sample.

Material fee: \$5

**Yearbook (E): Marie Culbreth** (540-667-1399 culbreth@ieee.org)

Recommended grades: 8 – 12

*The Navigator*, the SAIL yearbook, is published by the Yearbook staff annually since 2003. Students on staff will create the yearbook on a computer, using digital images and Microsoft Windows software. They will create pages and upload digital images, adding captions and titles, as appropriate, learning how to do page layouts, blocking, and other techniques of page design. The Yearbook staff mission is to both chronicle the SAIL and Jr. SAIL year and produce a quality product. Some events, like the annual "Spirit Day," may be organized by the class; however, the primary purpose of the class will be to create a book that documents the year in images and words, in a way which is pleasing to all, bringing glory to God through the effort. A laptop computer with a Windows platform is recommended, having at minimum Microsoft Word installed. (It is **highly recommended** that each student has a laptop with Publisher 2007, a program that is part of Windows Office Professional 2007, which will be used to create the yearbook.) **Each student will be required to sell advertising space to pay for the publication of the yearbook, and will be part of their course grade.** Students will receive a grade. Homework will require at least one hour per week.

Material fee: \$20