

## 2017-2017 St. John Bosco Co-op Course Descriptions

St. Louis Catholic Homeschool Association  
stlouiscatholichomeschool.com/st-john-bosco-co-op

*Waiting lists will be started when classes fill.*

### 9:15

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#### **Advanced Math I**

Marybeth Thomas

9-12th grade

This course uses the Saxon Advanced Math, 2nd edition book. This book contains an in-depth coverage of trigonometry, logarithms, analytic geometry, and upper-level algebraic concepts. This book provides practice with the fundamental concepts and skills of precalculus mathematics. This is part 1 of a two year class. Lessons 1-60 are covered in Advanced Math I. A scientific calculator is required for many of the lessons. Students must have successfully completed Algebra I and II before taking this course.

Copy fee:\$5

#### **Algebra I**

Becker

8-12th grade

This course uses the Saxon Algebra 1, 3rd edition book. This book covers all the topics in a first-year algebra course and builds the algebraic foundation essential for all students to solve increasingly complex problems. Lessons 1-120 will be covered.

Copy fee: \$10

#### **Biology**

Lisa Hummel

9th-12th grade

Length of Class – 1 ½ hours

Biology is the fascinating study of all living things in Creation, from the tiniest bacterium to the largest mammal. Students will learn that there is no such thing as a “simple” life form, and will come to appreciate the awe-inspiring complexity, elegance, and diversity of the world of living things. This course is designed to be students’ first high school science course. Exploring Creation With Biology is a college-prep biology course that provides a detailed introduction to the methods and concepts of general biology. Heavily emphasizing good laboratory and observation skills as well as the vocabulary of biology, it provides the student with a strong background in the five-kingdom classification scheme, microscopy, biochemistry, cellular biology, molecular and Mendelian genetics, evolution, dissection, and ecosystems. Students will complete 36 experiments such as microscopic observations of organisms and their structures, collecting and culturing pond water, extracting DNA from peas, and four different animal dissections. The course provides a complete survey of the five kingdoms in Creation. This course can prepare students for the Biology CLEP exam.

Text: Apologia’s Exploring Creation with Biology, 2nd Edition ISBN-13: 978-1932012545 or ISBN-10: 1932012540

Cost: Depends on class size and must be paid upfront each semester

3 -4 students - \$375/year (\$187.50/semester)

5 or more - \$335/year (\$167.50/semester)

Lab Fee: \$45/per year paid in the fall

## **Latin I**

Dr. Michael Bardot

7-12th grade

Text: Henle's Latin I and Henle's Grammar book

The goal of this course is to provide students with an understanding of the Latin language and grammar. Students will be expected to complete the exercises contained within the textbook as well as the memorization that accompanies the study of the Latin forms. Additional instruction will include the relation of Latin to English and the development of English vocabulary through Latin cognates. The objective is to complete at least half of the lessons within the textbook, leaving the remainder of the lessons for Latin II.

Fee: \$8/student/class, \$5/additional student from the same family

## **10:15**

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### **Creative Expressions**

Emiko Westerfield

7-12th grade

This year long hybrid class merges art and creative writing. Students will explore different methods of expressing themselves. The ability to effectively communicate and share your ideas and thoughts with others (and being comfortable doing so) are valuable skills to have. The methods of expression we will work on include: drawing, collage, creative writing, poetry, journaling, and more. We will work on basic art concepts. There is a one time \$48.00 supply fee for all supplies needed for the class including Prismacolor Scholar colored pencils. Payment for supplies must be received no later than August 15th. Checks to: Emiko Westerfield \* 2665 Patterson Road \* Florissant, MO 63031

Fee per Semester: \$128 course fee + one time \$48 supply fee per student/per class; \$80 course fee + one time \$48 supply fee each additional student/per class from the same family. Course fees due by the first day of classes. If a student is taking 2 classes from me in one semester they pay \$128 for the first class and \$80 for the second class, plus supplies.

### **Government & Economics**

Becker

9-12th grade

During the first semester, students will be introduced to the study of government. This will include; forms of government, our countries founding documents, an in depth look into the US federal branches, and will conclude with a brief overview of Missouri government.

In the second half of the year, the student will take knowledge gained in the preceding semester, and apply it to current political affairs. They will delve into the study of the political process of elections and public political participation. Their study will culminate in a term paper. This subject will be graded.

Required Text: *American Government in Christian Perspective: 2nd Edition*, A Beka

Teachers Text: Including above book *Declaration Statesmanship: A Course in American Government*, Richard Ferrier and Andrew Seeley.

*Declaration Statesmanship: Readings*, Richard Ferrier and Andrew Seeley

Note: If there is a more recent edition of the A Beka book, that one can be used. Whatever is on the Mother of Divine Grace website.

Fee: \$15 copy fee

## **General Science**

Lisa Hummel

7th-8th grade

Length of Class – 1 ½ hours

General science courses can cover many things in addition to the methods of science itself, but ours focuses primarily on topics in geology, a little bit of physics, and finally the human body in significant detail. A systematic introduction to science topics broadly covered include: the scientific method and its history, designing experiments, simple machines, archaeology, geology, biology, human anatomy, and human physiology. Our text is Apologia's Exploring Creation with General Science. Because this class is an overview, students can join it at any time. We do a lab(s) in class each week, during which students master the skills of making detailed observations, explaining their methods, and critically analyzing their results. Additionally, some labs are performed at home and observed over the course of a week or more. Labs include such things as testing density, making our own "fossils," testing the mechanical advantage of simple machines, and experimenting with and calculating our own cardiac cycles before and after exercise. The course is not intended to be a focused study of the topics presented. Rather, this course introduces students to these topics and to the organized study of science, with the goal of developing important skills, a sense of scientific literacy, and enthusiasm for the wonder of science. At the same time, students will learn that science is a human endeavor that has limits we must respect. We recommend it as a 7th or 8th grade course depending on the student. Students should expect to do regular reading, studying, and writing about what they're learning each week at home.

Text: Apologia's Exploring Creation with General Science, 2nd Edition Textbook, Solutions Manual and Test booklet are required. ISBN-13: 978-1932012866 or ISBN-10: 19320128869.

Cost: Depends on class size and must be paid upfront each semester

3 -4 students - \$375/year (\$187.50/semester)

5 or more - \$335/year (\$167.50/semester)

Lab Fee: \$30/per year paid in the fall

## **Literature 1**

Maria Byers

9-12th grade

We will read and review a minimum of six classic novels. Each reading assignment will be accompanied by a study guide. Upon completion of each book a graded test will be issued to provide parents with grades for transcripts. List of books will be as follows, with the possibility of supplementing list in second semester if necessary.

One-time \$20 fee due first week of class.

1. Island of the Blue Dolphins, Scott O'Dell
2. The Prince and the Pauper, Mark Twain
3. Lilies of the Field, William E. Barrett
4. Little Lord Fauntleroy, Frances Hodgson Burnett
5. The Light in the Forest, Conrad Richter
6. Little Women, Louisa May Alcott

## **American History**

Mike Bardot

9th-12th grade

The goal of this course is to introduce students to the historical narrative of America. Beginning in the colonial period of America, emphasis will be placed upon understanding the European context of 1500 and 1600's which led to colonization. Focus will be placed upon understanding the Constitution and American government. The historical narrative will then seek to discuss the major movements and events that directed the course of America's continued development. The main source of material will be in lecture form, which will also help to develop note-taking style and proficiency. Outside readings will be encouraged but not text specific, and will contribute to the students understanding of the period. Supplemental information will not be specifically tested on the term tests.. Texts: supplemental reading will be suggested; any narrative source work on American history can be used as an aid to supplement the lecture. Furthermore, a copy of the US. Constitution will be needed because of the courses emphasis upon knowing the Constitution.

Fee: \$8/student/class, \$5/additional student from the same family

## **IEW Writing Class**

Denise Trull

9th-12th grade

We will be working on Level B of Andrew Pudewa's writing program. Students will be listening Mr. Pudewa's instruction for the first part of the class and will then work on their assignments with me for the remainder of the time. Assignments will be turned in, graded, and will be collected in a binder for the student to keep at the end of each semester.

Fee: 50.00 per semester per student (covers materials for the class)

Class Size: Minimum 4 Maximum 15

## **11:15**

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## **Journey to Japan**

Emiko Westerfield

7-12th grade

Explore the beautiful and amazing culture and history of Japan through this hands on, year long class. In this class we will cover topics and create projects including: Japanese language, Japanese Art and Culture, Japanese Pop Culture and Japanese History. Supply fee includes Japanese dictionary, flash card supplies, and supplies for various projects. Supply fee due by August 15th  
Checks to: Emiko Westerfield 2665 Patterson Road \* Florissant, MO 63031

Fee per First Semester: \$128 course fee + one time \$35 supply fee per student/per class; \$80 course fee + one time \$35 supply fee each additional student/per class from the same family. Course fees due by the first day of classes. If a student is taking 2 classes from me in one semester they pay \$128 for the first class and \$80 for the second class, plus supplies.

## **Advanced Math II**

Marybeth Thomas

9-12th grade

10-12th grade

This course uses the Saxon Advanced Math, 2nd edition book. This book contains an in-depth coverage of trigonometry, logarithms, analytic geometry, and upper-level algebraic concepts. This book provides practice with the fundamental concepts and skills of precalculus mathematics. This is part 2 of a two year class. Lessons 61-120 are covered in Advanced Math II. A scientific calculator is required for many of the lessons. Students must have completed Advanced Math I before taking this course. Copy fee:\$5.00

## **Literature 2**

Maria Byers

7-9th grade

This will be an atypical literature class. We will be studying the seven classic stories of C. S. Lewis's The Chronicles of Narnia. However, class time will consist of listening to the book series as an audio adventure utilizing Focus on the Family's amazing collection of recorded stories. The books should also be read by students at home, and take-home tests will be issued upon completion of each book.

One-time \$20 fee due first week of class.

1. The Magician's Nephew
2. The Lion, the Witch and the Wardrobe
3. The Horse and His Boy
4. Prince Caspian: The Return to Narnia
5. The Voyage of the Dawn Treader
6. The Silver Chair
7. The Last Battle

## **Grammar and Research Paper**

Dr. Michael Bardot

9-12th grade

Text: Warner's Grammar (edition?)

The goal of this course is to provide students with an understanding of the English language and grammar.

Students will be expected to complete the exercises contained within the textbook as well as the memorization of spelling words from lists contained within the book. Additional instruction will include the completion of an 8-12 page research paper at the end of second semester.

Fee: \$8/student/class, \$5/additional student from the same family

## **Discovering Shakespeare**

Denise Trull

High School (Must be turning 15 during the school year)

In this class we will be working on memorizing and acting out several Monologues and Sonnets by William Shakespeare. Each student will receive a monologue from one of Shakespeare's plays to work on. We will study the language and meaning of the selections in class and will work on acting them out. In early December, we will have a show: "An Evening of Shakespeare". Four judges will be there to vote for the top three performances. The first place winner will represent SLCHA at a citywide Shakespeare Competition sponsored by the English Speaking Union and held at Fontbonne University in late January. This is a great way to experience a taste of drama and to learn more about Shakespeare. Second semester, we will be acting out scenes together from different Shakespeare plays and performing for family and friends at the end of the semester.

Fee: \$40.00 per student, per semester

Class Size: Minimum: 3 Maximum 10

**Junior Drama**

Madeline Trull

6th-9th grade

Junior Drama is excited to announce "Charlotte's Web" as this year's semester play. Auditions will take place first day of classes. Participants will be required to attend all Friday classes at St. Richard's and plan for a week of intense rehearsal at a location TBA during the week prior to the production. Each family will be asked to be the drama parent for 2-4 classes based on the number of students that sign up. The drama parent will occasionally assist the Director and walk the halls to check on the rest of the building.

Fee: \$45 (\$30 for each additional student from the same family) Checks are due on the first day of classes and should be made payable to SLCHA.

**Algebra 2**

Marybeth Thomas

9-12th grade

This course uses the Saxon Algebra 2, 3rd edition book. This book continues a study of topics from algebra and geometry and begins a study of trigonometry. Lessons 1-120 are covered. Students must have completed Algebra I before taking this course. A scientific calculator is required for many of the lessons.

Copy fee: \$5.00

**Anatomy & Physiology**

Dana Heisserer

10-12th grade

This is an advanced biology course that studies the human body in detail. In this course, students will study the anatomy and the physiology of the human body's eleven organ systems, covering the material typically taught in a college freshman biology course. Students will be required to purchase the text book: The Human Body Fearfully and Wonderfully Made 2nd Edition (ISBN: 9787935495727). The text book is a necessity, the solution guide is optional. The Kaplan 4th edition coloring book (ISBN-13: 9781419550409) is optional but may be helpful to some students. It is recommended that students have completed biology and chemistry prior to taking this class, however if they have completed the Apologia Biology class they will have sufficient chemistry to successfully complete the class. This class will require 4-5 hours of work outside of class time each week depending on each student's individual study habits. Fee: \$60 lab fee for this class to cover the cost of obtaining the adequate lab supplies and dissection specimens (including eye, heart, brain, kidney and fetal pig).

**Logic Games (2nd semester)**

Randall Clayton

5th-8th grade

Numerous studies have shown positive links between board games and their ability to enhance learning. The development of the first kindergarten in Germany by Friedrich Froebel was based on the concept of integrating learning with play and games. The game of chess was used during the Middle Ages to teach noblemen how to strategize for battle. The hobby board game industry has seen an enormous rise in popularity in the last decade. As a result, the board games most people have associated with the hobby for many years, i.e. Monopoly, Risk, Trivial Pursuit, etc. are being replaced by a selection of games with a wider variety of themes, game mechanics, and most importantly fun factor. This class will use modern board games (and some classic board games) to enhance learning for the student. Board games will be used to develop and enhance a variety of skills, including collaboration and teamwork, creative development (in thinking and writing), logic and deduction, communication and social interaction, and strategic thinking.

Each week, brief in-class discussions and activities will supplement playing board games. While most of the student's formal class work will take place during class time, there will be a minimal amount of homework required (primarily reading and writing assignments). Game-related activities (both at-home and in-class) may include, for example, writing reviews of games played, learning a new game and teaching it to the rest of the class, working together as a team in a cooperative game setting, and certain elements of board game design. While the emphasis of the class will be on learning, the students won't even realize they're learning because they'll be having so much fun. No fee will be required for the class. All games used during the class will be provided by the instructor.

### **Ancient History**

Mike Bardot

9th-12th grade

The goal of this course is to introduce students to the historical narrative of the ancient world. The scope of this course will cover prehistoric times until the end of the late antique period, roughly the years 9000 B.C. until 478 A.D. (although the first 6000 years of the course will be covered in an introductory lecture.)

The narrative will focus upon primarily three geographical regions: Mesopotamia, Egypt, and the Mediterranean, with brief connection with other regions of historical significance. The focus of the course will be to develop the historical narrative in relation to its effect upon western civilization.

Fee: \$8/student/class, \$5/additional student from the same family

## **2:15**

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### **Public Speaking**

Cortese

9th - 12th grade

In this class we will discuss and practice the three main types of speech: informative, persuasive, and special occasion. Students will learn how to prepare for a speech and presentation skills, including importance of body language and voice projection. The students will be asked to prepare a short speech each class with the last few weeks being opened up for a longer speech from each student. I hope to impress upon students the importance of public speaking while keeping it interesting and hopefully fun.

There will be a \$15 copy/supply fee for each student.

The students will need one college rule notebook for notes and speech prep, highlighter, and pens.

### **Foundations in Personal Finance**

Tom Heisserer

9-12th grade

Foundations in Personal Finance for Homeschool is a turn-key high school, personal finance curriculum that engages students and teaches them practical and relevant financial skills. Topics will include: Saving and Budgeting; Credit and Debt; Financial Planning and Insurance; Income, Taxes and Giving. Students will need to purchase the text book: Foundations in Personal Finance for Homeschool Student Text (ISBN: 13: 9781936948192) – please note this is the new edition (2014 copyright date).

Fee: \$10 per student copy fee for this class.