

PLEASE USE THIS REGISTRATION FORM

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**MDHSA JR/SR. HIGH CO-OP REGISTRATION FORM  
2009 - 2010**

Student's Name \_\_\_\_\_

1<sup>st</sup> Period 1<sup>st</sup> choice \_\_\_\_\_ 2<sup>nd</sup> choice \_\_\_\_\_

2<sup>nd</sup> Period 1<sup>st</sup> choice \_\_\_\_\_ 2<sup>nd</sup> choice \_\_\_\_\_

Student's Name \_\_\_\_\_

1<sup>st</sup> Period 1<sup>st</sup> choice \_\_\_\_\_ 2<sup>nd</sup> choice \_\_\_\_\_

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# **MDHSA JR/SR HIGH CO-OP COURSE DESCRIPTIONS 2009-2010**

MDHSA reserves the right to cancel any class. MDHSA does not discriminate against families based on race, color, national or ethnic origin.

All textbooks must be purchased before classes begin by the students. All courses will have an additional 'materials fee' that will be determined by the number of students enrolled. Most of these will be in the \$5 to \$15 range, and will be payable at your receipt of confirmation of classes.

**All courses are full semester courses unless otherwise noted.**

## **Course Schedule:**

**First Period:** World History, World Literature, Geometry, Public Speaking (Fall semester), Biology Lab (Spring semester), Jr. Hi. Mystery of History (World History), Physical Science, Geography (Spring Semester), Jr. Hi. Co-op Literature Class - 2 10-week sessions (1 hour class)

**Second Period:** Composition 2, Algebra I, Spanish I, Chemistry, Jr. Hi. U.S. Government, General Science, Pre-Algebra

## **MATH**

### **Pre-Algebra – Mrs. Sue Sipes**

**Text Book:** Math-U-See Pre-Algebra (Instruction Pack, Student Kit @ \$85.00) ([www.mathusee.com](http://www.mathusee.com))

Prerequisites: Multiplication facts MUST be memorized and previous work with fractions and decimals is assumed. Students may take the Zeta Competency test at the Math-U-See website to determine if they are prepared to take Pre-Algebra.

### **Algebra 1 – Mrs. Michelle Masters**

**Text Book:** Math-U-See Algebra I (Instruction Pack, Student Kit @ \$85.00) ([www.mathusee.com](http://www.mathusee.com))

Prerequisites: Successful completion of Pre-Algebra or equivalent knowledge. Students may take the Pre-Algebra competency test at the Math-U-See website to determine if they are prepared to take Algebra I.

### **Geometry – Mrs. Marann Jones**

**TextBook:** Math-U-See Geometry (Instruction Pack, Student Kit @ \$85.00) ([www.mathusee.com](http://www.mathusee.com))

Supplies needed: Straightedge or ruler, a protractor, a compass for measuring angles, good working pencils and an algebraic calculator. Recommended for 10th - 12th grade.

Scope: In this course you will discover the joy of Geometry - one of the oldest subjects in mathematics. We will cover a handful of definitions and axioms involving points, lines, and angles.

From these elementary ideas we will derive important nontrivial conclusions about the perimeters and areas of triangles and other polygonal shapes. We will learn about the Pythagorean Theorem and some basic trigonometric functions.

## **SCIENCE**

### **General Science – Mrs. Cheryl Pitt**

**Text Book:** Apologia General Science 2<sup>nd</sup> Edition (student text & solutions/tests manual \$85)

This course is a basic study in the fields of physics, chemistry, earth sciences, and biology. The four branches of science will be reviewed in a systematic approach, preparing each student to enter high school science courses.

**Materials Fee: \$12/student**

### **Physical Science – Mrs. Sherry Jeu**

**Text Book:** Apologia Physical Science 2<sup>nd</sup> Edition (student text & solutions/tests manual \$85)

From the inner-workings of the atoms to the grandeur of the galaxies; this course is designed to be the last science course a student takes before high school biology.

Taught from a Christian viewpoint, the program concentrates on physics; especially the physics of motion, Newton's Laws, gravity, and astrophysics. It is also an overview of chemistry and earth science. Dr Wile writes in a conversational style which makes the concepts easier to understand. We will complete approximately 30 hands-on experiments in class. During class, students will record brief descriptions of what was done and what was learned in the lab experiments. Students will read the text and do the study guides on their own before class. We will discuss the text and study guides in class as we do the corresponding experiments.

Sources for the textbook set include:

Home and School Connection in Hagerstown 301-766-0699

Sonlight Curriculum @ [www.Sonlight.com/order/](http://www.Sonlight.com/order/) 303-730-6292

Apologia Educational Ministries, Inc. @ [www.apologia.com](http://www.apologia.com) 888-524-4724

**Materials Fee: \$15/student**

### **Biology Lab-2<sup>nd</sup> semester – Mrs. Mary Hudzinski**

This class will be offered second semester to complete laboratory requirements for Biology. All materials will be provided except normal student materials (paper, pencil, pen, etc). We will use microscopes, do dissections (at least 6, possibly more), and learn how to make and use slides. Other activities will be included as time permits. Students will be required to write lab reports as the instructor requires.

**Materials Fee: \$20/student**

### **Chemistry – Mrs. Donna Thornton**

**Text Book:** Apologia Chemistry 2<sup>nd</sup> Ed. (student text & solutions/tests manual \$85)

In order to be able to understand this text, the student needs to have completed algebra I. This course is designed to be a first-year high school chemistry course and gives the student a rigorous foundation in chemistry, in order to prepare him or her for a college-level course. The course covers significant figures, units, classification, the mole concept, stoichiometry, thermochemistry, thermodynamics, kinetics, acids and bases, redox reactions, solutions, atomic structure, Lewis structures, molecular geometry, the gas laws, and equilibrium. Students who take and understand this course will be very well-prepared for a tough university chemistry course.

**Materials Fee: \$10/student**

## **LANGUAGE ARTS**

### **Composition 2 – Mrs. Margie Watkins**

**Text Book:** Writing for 100 Days by Gabriel Arquilevich ISBN: 0-9649042-0-9

Composition 2 will focus on writing clearly, and will assume some experience in writing and some knowledge of grammar and basic sentence structure. For most of the year, the emphasis will be on expository writing (several kinds of essays, a research paper), but there will also be an opportunity to write fiction (and also poetry, if there is time).

**Materials Fee: \$15/student**

### **World Literature (11<sup>th</sup> – 12<sup>th</sup> grade level – Mrs. Jana Hege**

**Text Book:** Abeka's *Backgrounds to World Literature* and *Masterpieces from World Literature* 1992 edition (8 copies available at MDHSA office – will be provided to students that register first)

We will study and discuss fiction, poetry and nonfiction from around the world. Emphasis will be on literary analysis, with required weekly reading and written assignments. Students should expect to complete one research paper and one analytical paper during the course of the year, as well as some creative writing assignments.

**Materials Fee: \$10/student**

### **Public Speaking (Fall Semester) – Mrs. Kim Sheffler**

In Public Speaking we will be learning how to write a speech, how to prepare a speech and how to deliver one and what different types of speech there are. We will also be learning about debates, various types of issues and learning how to find information. I am hoping for this class to be very interactive as well as informative. I will be handing out worksheets to be kept in a 1 inch 3-ring binder. Students will also need notebook paper and pencils brought to each class. Our goal will be to write and deliver a 7 – 10 minute speech of their interest and that is class appropriate.

**Materials Fee: \$5/student**

### **Jr. Hi. Literature Study - 12 and up~2 semesters (1 hour class/10 weeks) – Mrs. Tammy Gift**

**Texts:** *Holes* by Louis Sachar

*The Witch of Blackbird Pond* by Elizabeth George Speare

This class is open to children 12 and up. If your child is not a strong reader you may read to them. Weekly assignments will include reading, vocabulary work, and questions to be answered. 1<sup>st</sup> semester we will be reading *Holes*; 2<sup>nd</sup> semester we will be reading *The Witch of Blackbird Pond*, which is a historical novel about the witch hunts in colonial America.

**Materials Fee: \$4/student**

### **Spanish I – Mrs. Kathy Smith**

**Texts:** To be announced.

This course is a study of the fundamentals of grammar (verb conjugation, sentence structure and articles). Emphasis also to be given to vocabulary, pronunciation and listening skills. Recommended for ages 13 and up. Maximum number of students: 18

Text book and course fee to be determined.

## **SOCIAL SCIENCES**

### **Jr. Hi. U.S. Government Class – Mr & Mrs. Allen Piper**

**Text Book:** Under God” by William C. Hendricks~Christianbooks.com, \$19.99 plus s/h

Emphasis will be placed on Unit 2 of the textbook with an understanding of the Revolutionary War, and why our Constitution was created. The roles of each branch of government including federal, state, and local will be studied and may include a mock election and role play. Continuing to Unit 5 we will be discussing our court system along with legal terminology, and a possible mock trial.

Field trips may be planned such as the Franklin County Court House, sitting in on a meeting of the commissioners or other local government meeting, meeting some of our representatives and a Spring field trip to Harrisburg to tour the Capital. Please note for students that attended our history classes in

the past, this class will be more in depth. We will learn that God is our moral compass and how He has influenced our government.

**Materials Fee: \$1/student**

**Geography of the World – Spring semester – Mrs. Kim Sheffler**

7<sup>th</sup> grade & up. Worksheets will be provided from numerous sources. Students will learn the skill of reading maps and determining latitude & longitude. Supplies needed: 3 ring binder, tablet paper & pencil.

**Materials Fee: \$10/student**

**World History – Mrs. Kathy Long**

**Text Books:** Abeka 's World History and Cultures (I have the second edition)

Uncle Josh's Maps

Access to the Internet for an hour a week

Supporting literature from specific cultures...I envision two projects a semester (picked from a list I will provide or one that the student will develop) that may need to be purchased....borrowed, etc...

Students will be assigned map work and selected reading from each chapter. He or she will need to also work on a selected topic using Internet or library materials.

Class time will include discussion of material, introduction of at least one person or event that has been a culture shaper, and encounters with primary sources when possible.

Expectations for student: Student should be able to read about 20 pages of information a week, use the Internet for research, have basic map reading skills and be able to write several paragraphs on a topic. The work load for this class entails about 45 minutes a day except for weeks when project work is due. A student can assume that each project (assigned twice a semester) will entail an additional 5 hours of work....

Expectations for Parent: I would like parents to correct review questions at the end of each chapter, monitor assignments for completion, and encourage timely completion of project work and have students communicate with me when they have questions (via email or facebook please).

Expectations for myself: I plan to provide a quick overview of the info covered in each week's reading, run a discussion time that will focus on that culture's contribution to us, introduce someone or something from that culture that hopefully will pique the student's interest, provide projects that will benefit students with a wide variety of skills and be available through email or facebook for questions (getting back within 24 hours). Phone accessibility is questionable...I have 5 daughters.

**Materials Fee: \$10/student**

**Jr. Hi Mystery of History (World History) –Mrs. Michele Martin & Mrs. Missy Routzahn**

**Text Book:** The Mystery of History Volume 1 by Linda Lacour Hobar (can be purchased from CBD)

We will begin at the 'Beginning of Creation" and in chronological order study ancient history through to the Resurrection. We will be completing a time table based on Biblical facts. Map work, cool projects & activities, and testing will be just a small part of what we cover in this class.

Requirements: Must be willing to complete homework! Writing and Research will be required.

**Materials Fee: \$12/student**