

**Michiana Covenant Academy**  
**Course Catalog**  
**2015-2016**  
**1<sup>st</sup> Trimester**

**Art**

**Art: K-2 / Period 5 / ND / 1T**

This is a foundation art class that will focus on the elements and techniques of art. In this first trimester, student artwork will be based on what they learn about African and Oceanic art and artists. Students will explore both two-dimensional and three-dimensional artwork. All artwork will remain in class until the last class when students can take their portfolios home. Students will need to wear old clothing or an apron as some supplies will not wash out of clothing. All art materials will be supplied; there is a \$5.00 material fee.

Class size: 8

Class time: 1:30-2:20 pm

Class level: K-2

Taught by: Ninette Deliyannides

Materials fee: \$5.00

Materials needed: art apron

Class code: ND5

**Art: 3-5 / Period 4 / ND / 1T**

This is a foundation art class that will focus on the elements and techniques of art. In this first trimester, student artwork will be based on what they learn about art during the Bronze and Iron age, Ancient Egyptian and Near Eastern art as they study printmaking and sculpture carving. Students will explore both two-dimensional and three-dimensional artwork. All artwork will remain in class until the last class when students can take their portfolios home. Students will need to wear old clothing or an apron as some supplies will not wash out of clothing. All art materials will be supplied; there is a \$5.00 material fee.

Class size: 12

Class time: 12:30 -1:20 pm

Class level: 3-5

Taught by: Ninette Deliyannides

Materials fee: \$5.00

Materials needed: art apron

Class code: ND 4

**Art: 6-8 / Period 7 / ND / 1T**

This first trimester students will learn about African and Oceanic art and artists. Students will work with a wide range of media to create original designs based on studied art. There may be some light homework. All artwork will remain in class until the last class when students can take their portfolios home. Students will need to wear old clothing or an apron as some supplies will not wash out of clothing. All art materials will be supplied; there is a \$5.00 material fee.

Class size: 12

Class time: 3:30-4:20 pm

Class level: 6-8

Taught by: Ninette Deliyannides

Materials fee: \$5.00

Materials needed: art apron

Class code: ND7

**Art: 9-12 / Period 3 / ND / 1T**

This fine arts class will focus on Carolingian, Celtic, Early Christian, Romanesque, Byzantine and Gothic art and artists. Students will examine works of art and use the styles and techniques to create original works of their own. There will be some homework. All artwork will remain in class until the last class when students can take their portfolios home. Students will need to wear old clothing or an apron as some supplies will not wash out of clothing. All art materials will be supplied; there is a \$5.00 material fee.

Class size: 12

Class time: 11:00-11:50 am

Class level: 9-12

Taught by: Ninette Deliyannides

Materials fee: \$5.00

Materials needed: art apron

Class code: ND3

**Drawing: 7-12 / Period 2 / ND / 1T**

Students will use the five basic elements of shape and focus on composition drawing. This first trimester students will focus on proportion and focal points. There will be an emphasis on understand light source and cast shadows. There will be 2-3 hours of homework per week. Students may take their portfolios home on the last day of class. This is an ungraded class unless parents request otherwise before the first class.

Class size: 15

Class time: 10:00-10:50 am

Class level: 7-12

Taught by: Ninette Deliyannides

Materials fee: \$5.00

Materials needed: art apron, one 9" x 12" spiral/tear pad of drawing paper (60lb minimum), 1 tri-tip eraser black or white, one [Stump set](#) (small, med., large), one of each pencil: #2B, #4B, #6B

Class code: ND2

## Computer Science

### **The World of Computers: Class outline**

The World of Computers is a three-trimester course, focusing on understanding electricity and electronics, programming computers of various kinds, and looking at how they connect to the real world. At the heart of the class, we will be working with the Arduino Uno microcontroller board, which provides a simple base for projects that do interesting things – lights, motors, clocks and such. Our base language will be C++. But the class has as its broader goal to enable the students to see the technical world around them as understandable and “do”-able – to get a taste of engineering. This class is intended as enrichment, and students will not receive a letter grade. However, there will be take-home quizzes and tests for me to learn how much the students are learning, and I will write each parent a short paragraph at trimester’s end describing their student’s progress and interactions.

Prerequisites: Algebra (students have to know how to work equations, and that letters can be used to replace numbers)

### **Electricity, Electronics and Computers: 8-12 / Period 7 / MH / 1T**

The first trimester lays the basis for the class, and is designed as a “way the world works” kind of course. We will start with simple electrical circuits, then go on to household electricity and electrical devices (switches, motors, solenoids and other things that do work). Next we will look at the electronic side: LEDs, sensors, speakers, displays – the stuff our iPods and digital clocks are made of. Finally, we will look inside a microcomputer chip and understand how it works: memory, digital logic, computation, and how to get information in and out. These concepts will be used in our working projects in later trimesters.

We’ll even look inside some of the devices we study (a toaster and a PC).

Our text for the class will be [Tab Electronics Guide to Understanding Electricity and Electronics](#). It is a far richer book than we can cover in one trimester, but it will provide the basis for some further discussions in the second and third as well, and for the curious student, contains many other things to investigate (magnetism, radio and television, amplifiers, cellphone technology, etc.)

Class size: 3 minimum

Class time: 3:30-4:20 pm

Class level: 8-12

Taught by: Mark Hanson

Materials fee: \$5

Materials needed: text as noted above

Class code: MH7

## **Geography**

**Geography: 3-5 / Period 5 / SZ / 1T**

During the first how (students will research and present facts about a Canadian providence and an island). T

Class size: 3 minimum

Class time: 1:30-2:20 pm

Class level: 3-5

Taught by: Sandra Zylstra

Materials fee: none

Materials needed: atlas, pocket folder or binder, pencil, notebook paper

Class code: SZ5

## **Grammar**

**Grammar 5: 4-6 / Period 4 / KW / 1T**

Classes will cover approximately one chapter per week. Class time will be spent learning and reinforcing grammar concepts and oral recitation. Students will learn basic editing and writing skills. Writing assignments will reinforce learned concepts. Weekly homework will include a take home test, writing assignment and brief exercises to reinforce what is learned during class. The test and exercises will be due Tuesdays at 12:00pm via e-mail, or handed in on Wednesday at the beginning of class. The writing assignments will be due at the start of class.

Class size: 4 minimum

Class time: 12:30-1:20 pm

Class level: 4-6

Taught by: Kathleen Williamson

Materials fee:

Materials needed: [\*Shurley English Homeschooling Workbook Level 5\*](#) ISBN: 9781585610334, one spiral notebook to use as a journal, 3-ring binder and pen/pencil.

A clipboard will be helpful.

Class code: KW4

### **Grammar 7: 6-8 / Period 6 / KW / 1T**

Classes will cover approximately one chapter per week. Class time will be spent learning and reinforcing grammar concepts, diagramming sentences, and oral recitation.



Students will learn editing and writing skills including three point paragraphs, narrative and persuasive writing, note taking, research papers and some creative writing. Writing assignments may vary somewhat from the text. Weekly homework will include a take home test, writing assignment and brief exercises to reinforce what is learned during class. The test and exercises will be due Tuesdays at 12:00pm via e-mail. The writing assignments will be due at the start of class.

Class size: 4 minimum

Class time: 2:30-3:20 pm

Class level: 6-8

Taught by: Kathleen Williamson

Materials fee:

Materials needed: [English Made Easy Level 7](#) ISBN: 978-1881940524, 3 ring binder and pen/pencil. A clipboard will be helpful.

Class code: KW6

## **History**

**Early Modern History I: 5-8 / Period 3 / PW / 1T**

This is the first of three courses that will provide an introductory survey of the early modern world as part of a four-year sequence in world history. This world history survey is designed to prepare students for the high school history and literature classes.

This class, "Renaissance and Reformation, 1492-1603," will introduce students to the basic outline of sixteenth-century history. The student's primary work will be learning how to use online resources to identify key people, events, and places. The information gathered during the week will be analyzed and discussed in class to show how it all fits together.

The final grade will be based on class participation, completion of weekly assignments, quizzes, and a final exam.

Class size:

Class time: 11:00-11:50 am

Class level: 5-8

Taught by: Dr. Peter J. Wallace

Materials fee: none

Materials needed: as above

Class code: PW3

### **Early Modern History I – 16<sup>th</sup> Century: 9-12 / Period 1 / PW / 1T**

This is the first of three courses that will cover several classic works of modern history as part of the third year of a four-year sequence of college preparatory history classes. The course dovetails with the "Early Modern Literature I" course in order to help students

understand the interplay of literature, politics, religion, and culture. The instructors of the two courses confer regularly in order to help students connect history and literature within a Christian worldview. The final grade will be based on class participation, completion of study questions, quizzes, essay, and a final exam.

This course is designed to lay a foundation for understanding the development of republican thought in the sixteenth century from both Renaissance and Reformation sources. Since republican thought was not purely a matter of “politics” the readings will include a variety of themes.

**[Please note: this year’s course could be considered “World History” (all three trimesters), “U.S. Government” (especially the last two trimesters); or “U.S. History” (especially the last trimester)]**

To facilitate class discussion, the following editions will be *required*:

Niccolo Machiavelli, *The Prince* (Norton Critical Edition)

<http://www.amazon.com/gp/product/0393962202>

Baldesar Castiglione, *The Book of the Courtier* (Norton Critical Edition)

<http://www.amazon.com/gp/product/0393976068>

Michel de Montaigne, *The Complete Essays* (Penguin Classics)

<http://www.amazon.com/gp/product/0140446044>

Charles McCoy, *Fountainhead of Federalism*

<http://www.amazon.com/dp/0664219381/>

Coursepack on Reformation Roots of Republican Thought

Recommended text book (for exams and background for study questions):

Donald Kagan, Steven Ozment, Frank M. Turner, *The Western Heritage*, combined volume, third edition)

<http://www.amazon.com/Western-Heritage-Combined-Brief-CD-ROM/dp/0130415782/>

(There are other editions, but I base my questions on the assumption that the student is familiar with what is in this version.)

Class size:

Class time: 9:00-9:50 am

Class level: 9-12

Taught by: Dr. Peter J. Wallace

Materials fee: none

Materials needed: texts as listed in course description

Class code: PW1

## **Language**

**Spanish B: 7-8 / Period 4 / SD / 1T**

This is a 3 trimester course; an introduction to Spanish language, taught toward junior high level students. Recommended for 7th and 8th graders; other grade levels may be admitted upon instructor approval. The course focuses on vocabulary of everyday life, the present tense of verbs, and culture; listening, reading, writing, and speaking the language will be practiced. If taken in sequence with "Spanish A", the two courses together are the equivalent of high school Spanish I, after which students may enroll in Spanish II. Students will purchase a workbook, available online: Spanish is Fun, Book 1, Fourth Edition <http://www.amscopub.com/viewProduct.php?productID=1343701>  
Prerequisite: Spanish A, or other previous Spanish instruction per instructor approval.

Class size: 8

Class time: 12:30-1:20

Class level: 7-8

Taught by: Susan Daniels

Materials fee: none

Materials needed: textbook, 3 ring binder with paper or spiral notebook, pocket folder

Class code: SD 4

### **Spanish I Class and Lab: 8-12 / Periods 5 and 6 / SD / 1T**

This is a 3 trimester course, the first year of high school Spanish, focusing on cognate vocabulary, proper pronunciation, vocabulary of family, school, everyday activities, the present tense of verbs, and culture. Listening, reading, writing, and speaking the

language will be practiced. Lab time will consist of homework review, testing, and conversation, while class time will be devoted to vocabulary, grammar and reading. Students will purchase a workbook, at

<http://www.amscopub.com/viewProduct.php?productID=1343701>

Class size: 10

Class time: 1:30-2:20 AND 2:30-3:20

Class level: 8-12

Taught by: Susan Daniels

Materials fee: none

Materials needed: textbook, 3 ring binder with paper or spiral notebook, pocket folder

Class code: SD 5 AND SD 6

### **Spanish II Class and Lab: 9-12 / Periods 5 and 7 / SD / 1T**

Prerequisite: Spanish I. This is a 3 trimester course, the second year of high school Spanish. The coursework is grammar intensive, continuing with present, past, future, conditional, and compound tenses; vocabulary includes nature, everyday activities,

stores and shopping, professions; conversation, reading and culture will also be emphasized. Lab time will consist of homework review, conversation and testing, while class time will be devoted to vocabulary, grammar, and reading. The text is available through the publisher at

<http://www.amscopub.com/viewProduct.php?productID=1345301>

Class size: 10

Class time: 1:30-2:20 AND 3:30-4:20

Class level: 9-12

Taught by: Susan Daniels

Materials fee: none

Materials needed: textbook, 3 ring binder with paper or spiral notebook, pocket folder

Class code: SD 5 AND SD 7

**Advanced Spanish III/IV Class: 10-12 / Period 3 / SD / 1T**

Prerequisite: Spanish II. This is a 3 trimester course, advanced high school Spanish. It is possible to enroll for this course 2 consecutive years. The coursework reviews and extends past grammar: present, past, future, conditional, and compound tenses.

Vocabulary, conversation, reading and culture will also be emphasized. Field experience, volunteer activities in Spanish language settings in the community may be available. Textbooks are: Momentos Hispanos (AMSCO)

<http://www.amscopub.com/viewProduct.php?productID=1358101>, Spanish Three Years Workbook (AMSCO Publications)

<http://www.amscopub.com/viewProduct.php?productID=13444>, Spanish New Testament

[http://www.amazon.com/NVI-Trade-Outreach-Testament-Spanish/dp/1563206137/ref=sr\\_1\\_1?s=books&ie=UTF8&qid=1434379937&sr=1-1&keywords=spanish+new+testament](http://www.amazon.com/NVI-Trade-Outreach-Testament-Spanish/dp/1563206137/ref=sr_1_1?s=books&ie=UTF8&qid=1434379937&sr=1-1&keywords=spanish+new+testament)

Class size: 8

Class time: 11:00-11:50

Class level: 10-12

Taught by: Susan Daniels

Materials fee: none

Materials needed: textbooks, 3 ring binder with paper or spiral notebook, pocket folder

Class code: SD 3

## **Literature**

**Elementary Literature: 3-5 / Period 2 / SZ / 1T**



The theme for this unit is survival. The books read will be about animals surviving on a journey in "Homeward Bound" by Burnford, and children surviving in the wilderness in "Hatchet" by Paulson and in "My Side of the Mountain" by George. Students will be studying and comparing character traits, internal conflict through struggles of survival, and comparing and contrasting these three books on survival. Students will have homework for the class and it will be graded.

Class size: 3 minimum

Class time: 10-10:50 am

Class level: 3-5

Taught by: Sandra Zylstra

Materials fee: none

Materials needed: two pocket folder or binder, pencil

"Homeward Bound" by Burnford

"Hatchet" by Paulson

"My Side of the Mountain" by George

Class code: SZ2

### **Literature I: 6-8 / Period 1 / ND / 1T**

The goal of this class is to help intermediate students develop their ability to discern how authors convey their worldview through literary devices such as plot, theme, and character. In this first trimester students will read three novels about social conflict: *The*

*Witch of Blackbird Pond, Dragon's Gate* and *Lizzie Bright and the Buckminster Boy*. Additional readings will be handed out in the course pack. We will approach the literature within a Christian worldview. The final grade will be based on class participation, study questions, weekly quizzes, one essay and final exam. Reading load will be around 100 pages per week. Any unabridged edition is acceptable.

-[The Witch of Blackbird Pond](#) by Elizabeth George Speare

-[Dragon's Gate](#) by Laurence Yep

-[Lizzie Bright and the Buckminster Boy](#) by Gary Schmidt

Class size: 10

Class time: 9:00-9:50 am

Class level: 6-8

Taught by: Ninette Deliyannides

Materials fee: none

Materials needed: Books listed above, three-ringed binder for course packet, notebook paper for taking notes in class. Internet access will be helpful.

Class code: ND1

### **Early Modern Literature I: Sixteenth Century: 9-12 / Period 4 / AD / 1T**

This is the first of three courses that will cover several classic works of early modern literature as part of the third year of a four-year sequence of college preparatory literature courses. The course dovetails with the "Early Modern History I" course in

order to help students understand the interplay of literature, politics, religion, and culture. The instructors of the two courses confer regularly in order to help students connect history and literature within a Christian worldview. The final grade will be based on class participation, completion of study questions, weekly quizzes, three essays, and a final exam. To facilitate class discussion, the following editions will be *required*:

Thomas More, *Utopia* (Penguin Classics edition) [tinyurl.com/np3nlkb](http://tinyurl.com/np3nlkb)

Philip Sidney, *The Major Works* (Oxford World's Classics edition) [tinyurl.com/65d9o79](http://tinyurl.com/65d9o79)

Edmund Spenser, *The Faerie Queene: Book Two* (Erik Gray, ed.) [tinyurl.com/6err8bc](http://tinyurl.com/6err8bc)

William Shakespeare, *Richard III* (Signet Classics edition) [tinyurl.com/6hpqn7b](http://tinyurl.com/6hpqn7b)

William Shakespeare, *A Midsummer Night's Dream* (Signet Classics edition)

[tinyurl.com/q3t7af4](http://tinyurl.com/q3t7af4) (also used in Early Modern Literature II)

Class size:

Class time: 12:30-1:20 pm

Class level: 6-8

Taught by: Dr. Andrew B. Deliyannides

Materials fee: none

Materials needed: Books listed above

Class code: AD4

## Music

**Beginning Music: K-3 / Period 4 / SZ / 1T**

Learning and practicing basic music terms are the focus in this basic music course. We will be learning about a few famous composers and learning several basic children's songs but we will be looking at them in a new way. Learning concepts will take place by marching, clapping, rhythm sticks, and singing. This course will not be graded.

Class size: 3 minimum

Class time: 12:30-1:20 pm

Class level: K-3

Taught by: Sandra Zylstra

Materials fee: none

Materials needed: none

Class code: SZ4

**Music Theory: 3-8 / Period 3 / SZ / 1T**

This course will help the student move beyond the basics in music. We will be learning how to become a better singer, about many types of notes, time signatures and how to sight read music as a singer. We will also be learning about Romantic to 20<sup>th</sup> Century Eras from a music perspective. This course will not be graded.

Class size: 3 minimum  
Class time: 11-11:50 am  
Class level: 3-8  
Taught by: Sandra Zylstra  
Materials fee: none  
Materials needed: pocket folder or binder, pencil  
Class code: SZ3

## **SAT I Prep**

**SAT I Prep – 25-Minute Essay: 9-12 / Period 5 / KW / 1T**

Each week, your student will be given 25 minutes to practice and develop the necessary skills to produce a complete essay answer to a previous SAT prompt as required on the SAT I exam. It is highly recommended that your college-bound high school student become a reader of college-level literature so as to expose himself to vocabulary which will be commonly found on the SAT I exam. To enhance this development, weekly vocabulary quizzes will also be offered. No grade will be given for this course.

Class size: 4 minimum

Class time: 1:30-2:20 pm

Class level: 9-12

Taught by: Kathleen Williamson

Materials fee:

Materials needed: Pencils, erasers.

**OPTIONAL:** *Barron's SAT*, 24<sup>th</sup> edition or later.

Class code: KW5

## Science

**Biology I: 8-10 / Period 7 / SAH / 1T**

[Exploring Creation with Biology I, 2<sup>nd</sup> Edition](#) is your student's first high school science class and 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 science. In the 1<sup>st</sup> Trimester we will study the scientific method, the five-kingdom classification scheme, and microscopy, then go to an introduction into biochemistry. There will be about two hours of homework per week, to include reading from the text and other sources, answering questions from the text, and analysis of laboratory work done in the classroom. Grades will be based on lab work, homework assignments and chapter tests. Students will need internet access for reading assignments, research, homework and tests. Tests will be take-home, and are due on the next class day. Students will need a folder or notebook for handouts and lab work. There is a \$5 lab fee.

Class size: 8

Class time: 3:30-4:20 pm

Class level: 8-10

Taught by: Sally Hanson

Materials fee: \$5

Materials needed: text as listed in course description, binder or folder

Class code: SAH7

### **Botany: 6-8 / Period 5 / SAH / 1T**

[Exploring Creation with Botany](#) will introduce the student to Botany, taxonomy and the scientific method. We will start with discussions of photosynthesis and tree growth.

We will also have an emphasis on Nature Journaling. There will be about two hours of homework per week, to include reading from the text and other sources, answering questions from the text, and analysis of laboratory work done in the classroom. Grades will be based on lab work, homework assignments and chapter tests. Journaling is expected, but not graded. Tests are take-home and are due the next class day. Students will need a folder or notebook for handouts and lab work, pencils, and an unlined journal for nature study. They may also want colored pencils for their journal drawings. There is a \$5 lab fee.

Class size: 8

Class time: 1:30-2:20 pm

Class level: 6-8

Taught by: Sally Hanson

Materials fee: \$5

Materials needed: text as listed in course description, binder or folder, Journal, (colored pencils optional)

Class code: SAH5

### **Chemistry: 10-12 / Period 2 / SAH / 1T**

[Exploring Creation with Chemistry, 2<sup>nd</sup> Edition](#) 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 1<sup>st</sup> Trimester covers measurements and units, Calorimetry, classifying matter and compounds, the Kinetic Theory and the Mole Concept. During class we will perform experiments from the text and MicroChem Labs. There will be two to four hours of homework per week, to include reading and answering questions from the text, and analysis of laboratory work done in the classroom. Grades will be based on lab work, homework assignments and chapter tests. Students will need internet access for reading assignments, research, and homework. Tests will be taken at home and are due the following class period. Students will need a folder or notebook for handouts and lab work. Additional question and answer time will be available during Study Hall 3, 11:00-11:50 am. Students who take and understand this course will be very well-prepared for a tough university chemistry course. There is a \$5 lab fee.

Class size: 8

Class time: 10:00-10:50 am

Class level: 10-12

Taught by: Sally Hanson

Materials fee: \$5

Materials needed: text as listed in course description, binder

Class code: SAH 2

### **Zoology 3: 3-5 / Period 1 / SAH / 1T**

The first trimester of [Exploring Creation with Zoology 3: Land Animals of the 6<sup>th</sup> Day](#) will take students on an exploration of carnivorous mammals and marsupials. We will learn

concepts like natural selection and predation, and will study animal tracks. There will be readings from the text, and from the Apologia website. Homework will be assigned weekly. At home, students will have mapping exercises, which may need adult supervision. Grades will be based on homework assignments and chapter tests. Students will be required to have a notebook or folder for handouts.

Class size: 8

Class time: 9:00-9:50 am

Class level: 3-5

Taught by: Sally Hanson

Materials fee: none

Materials needed: text as listed in course description, world map, notebook or folder, pencil

Class code: SAH1

## **Study Hall**

**Study Hall: K-12 / Periods 1, 2, 3, 4, 5, 6, 7 / SH / 1T**

This class is designed as a service for the parents. Monitored Study Hall is available at no additional charge to students who have signed up for *at least four other classes/labs*. If a student is enrolled in fewer than four classes/labs, then a \$25.00 fee per study hall per trimester is applicable. This will be a supervised time for students to work on quiet homework or read. Students will not be allowed to talk, eat or engage in any activity that is not reading, drawing or schoolwork. Students not signed up for a class or study hall will not be allowed to remain on the premises.

Class size: no limit

Class times and code: 9:00-9:50am (SH 1), 10:00am-10:50am (SH 2), 11:00am-11:50am (SH 3), 12:30pm-1:20pm (SH 4), 1:30pm-2:20pm (SH 5), 2:30pm-3:20pm (SH 6), 3:30pm-4:20pm (SH 7)

Class level: K-12

Taught by: Study Hall Monitor

Materials fee: No charge for this class if student is enrolled in at least four other Academy classes, or \$25.00 per trimester per study hall

Materials needed: Homework, drawing or reading material

Class code: see above

## **Writing**

### **Institute for Excellence in Writing**

**ALL** Institute for Excellence in Writing (IEW) courses will cover creative, expository, and descriptive writing. Course materials may all be purchased from the Institute for Excellence in Writing website: [www.excellenceinwriting.com](http://www.excellenceinwriting.com). (Go to Products, Writing, Student Writing Intensive, and find Notebook and Packet only.) All courses require the use of the **KEY WORD OUTLINE** for gathering facts used in assignments. It is **highly recommended that students enroll for all 3 trimesters of this course. ALL FINAL assignments are to be in INK, whether they are typed or handwritten. ALL weekly assignments are due by 5:00 p.m. via email, on the Monday after the lesson, unless other arrangements have been made with the instructor. Plagiarism will NOT be tolerated.**

### **Level A Writing – Beginning: 3-5 / Period 3 / KW / 1T**

This course covers the basic introduction and reinforcement of the Institute for Excellence in Writing (IEW) program. **Please read the general statement for ALL IEW courses, above.** Beginning with the Key Word Outline, the students learn how to gather information from source texts. Then, they learn the PROCESS for transforming those facts into meaningful reports, stories, and essays. Students enrolled in this course should understand what a complete sentence is and have had some writing experiences. Reluctant writers welcome! Weekly assignments are from 1-5 paragraphs long, and are due by 5:00 p.m. the Monday after the assignment is given. This will be a graded course.

Class size: 4 minimum

Class time: 11:00-11:50 am

Class level: 3-5

Taught by: Kathleen Williamson, registered IEW Instructor

Materials fee: none

Materials needed: [IEW Level A Student Writing notebook Code: SIM-A Price: \\$19.00 or Code: SIM-AE Price: \\$10.00 for the e-version.](#) Paper, pens, highlighter, clipboard optional.

Class code: KW 3

### **Level B Writing – Intermediate: 6-8 / Period 2 / KW / 1T**

This course covers much of the same material as the Level C High School course, but at a slower pace. There will be weekly creative, descriptive and expository writing

assignments each week. We will work from the simple to the more complex, expanding vocabulary and sentence structures. Texts used are age appropriate for this level. This will be a graded course. **Please read the general statement for ALL IEW courses, above.**

Class size: 4 minimum

Class time: 10:00-10:50

Class level: 6-8

Taught by: Kathleen Williamson, registered IEW Instructor

Materials fee: none

Materials needed: [IEW Level B Student Writing Intensive notebook, Code: SIM-B Price: \\$19.00 OR Code: SIM-BE Price: \\$10.00 for the e-book version.](#) Pens, paper, highlighters, optional clipboard.

Class code: KW 2

**LEVEL C Writing–Advanced: 9-12 / Period 1 / KW / 1T**

This course is for the general student and will provide instruction in the written word. Assignments cover the [IEW Level C Student Intensive](#) course. **Please read the general statement for ALL IEW courses, above.** If students struggle with some of the Basic English principles, this course will help them to master those concepts. This is NOT a grammar course, but grammatical principles will be introduced. Spelling is the responsibility of the student. Weekly assignments include creative, descriptive, and expository writing. There will be a grade given at the end of this trimester. It is highly recommended that students take this course for all 3 trimesters to fully develop the necessary skills for writing.

Class size: 4 minimum

Class time: 9:00-9:50 am

Class level: 9-12

Taught by: Kathleen Williamson, registered IEW Instructor

Materials fee: none

Materials needed: [IEW Level C Student Writing Intensive notebook](#), **Code: SIM-C Price: \$19.00** **OR Code: SIM-CE Price: \$10.00 for the e-book version.** Paper, pens, highlighter, clipboard optional.

Class code: KW 1

**2015-2016**  
**2<sup>nd</sup> Trimester**

**Art**

**Art: K-2 / Period 5 / ND / 2T**

This is a foundation art class that will focus on the elements and techniques of art. In this second trimester, student artwork will be based on what they learn about the Northern Renaissance, the art and artists. Students will work with a wide variety of media. All artwork will remain in class until the last class when students can take their portfolios home. Students will need to wear old clothing or an apron as some supplies will not wash out of clothing. All art materials will be supplied; there is a \$5.00 material fee.

Class size: 8

Class time: 1:30-2:20 pm

Class level: K-2

Taught by: Ninette Deliyannides

Materials fee: \$5.00

Materials needed: art apron

Class code: ND5

**Art: 3-5 / Period 4 / ND / 2T**

This is a foundation art class that will focus on the elements and techniques of art. In this second trimester, student artwork will be based on what they learn about Impressionist art and artists. Students will explore both two-dimensional and three-dimensional artwork. All artwork will remain in class until the last class when students can take their portfolios home. Students will need to wear old clothing or an apron as some supplies will not wash out of clothing. All art materials will be supplied; there is a \$5.00 material fee.

Class size: 12

Class time: 12:30 -1:20 pm

Class level: 3-5

Taught by: Ninette Deliyannides

Materials fee: \$5.00

Materials needed: art apron

Class code: ND 4

**Art: 6-8 / Period 7 / ND / 2T**



This second trimester students will learn about Romanticism and Realism art and artists. Students will work with a wide range of media to create original designs based on studied art. There may be some light homework. All artwork will remain in class until the last class when students can take their portfolios home. Students will need to wear old clothing or an apron as some supplies will not wash out of clothing. All art materials will be supplied; there is a \$5.00 material fee.

Class size: 12

Class time: 3:30-4:20 pm

Class level: 6-8

Taught by: Ninette Deliyannides

Materials fee: \$5.00

Materials needed: art apron

Class code: ND7

**Art: 9-12 / Period 3 / ND / 2T**

This fine arts class will focus on Neoclassicism and Academic Art and artists. Students will examine works of art and use the styles and techniques to create original works of their own. All artwork will remain in class until the last class when students can take their portfolios home. Students will need to wear old clothing or an apron as some supplies will not wash out of clothing. All art materials will be supplied; there is a \$5.00 material fee.

Class size: 12

Class time: 11:00-11:50 am

Class level: 9-12

Taught by: Ninette Deliyannides

Materials fee: \$5.00

Materials needed: art apron

Class code: ND3

**Drawing: 7-12 / Period 2 / ND / 2T**

Students will use the five basic elements of shape and focus on the many techniques for shading in their weekly completed drawing assignments. There will be 2-3 hours of homework per week. Students may take their portfolios home on the last day of class. This is an ungraded class unless parents request otherwise before the first class.

Class size: 15

Class time: 10:00-10:50 am

Class level: 7-12

Taught by: Ninette Deliyannides

Materials fee: \$5.00

Materials needed: art apron, [Faber-Castell Graphite Aquarelle Pencil set](#): 8B, 6B, 4B, 2B and HB, one [eraser shield](#), plus supplies from trimester one: one 9" x 12" spiral/tear pad of drawing paper (60lb minimum), 1 tri-tip eraser black or white, one [Stump set](#) (small, med., large), one of each pencil: #2B, #4B, #6B

Class code: ND2

## Computer Science

## **The World of Computers: Class outline**

The World of Computers is a three-trimester course, focusing on understanding electricity and electronics, programming computers of various kinds, and looking at how they connect to the real world. At the heart of the class, we will be working with the Arduino Uno microcontroller board, which provides a simple base for projects that do interesting things – lights, motors, clocks and such. Our base language will be C++. But the class has as its broader goal to enable the students to see the technical world around them as understandable and “do”-able – to get a taste of engineering. This class is intended as enrichment, and students will not receive a letter grade. However, there will be take-home quizzes and tests for me to learn how much the students are learning, and I will write each parent a short paragraph at trimester’s end describing their student’s progress and interactions.

Prerequisites: Algebra (students have to know how to work equations, and that letters can be used to replace numbers)

### **Using the Arduino: 8-12 / Period 7 / MH / 2T**

We will be using both a text and an electronics parts kit this trimester and next. The book is [Beginning C for Arduino](#). I have chosen the first edition rather than the newly-minted second, as being easily available used. In addition, each student will need to purchase the [SunFounder New Uno R3 Project Super Starter Kit](#). This kit contains the basic computer board we will be using, as well as everything necessary to hook it up to the student’s home computer or laptop, and a selection of electronic components that we will use in the lessons. Most weeks the student will be using a selection of the components in the kit (or additional ones provided by the instructor) to construct and program a working device. These will include:

- Blinking lights
- Light sensitive switch
- Playing music
- Mixing colors
- Reading temperature
- Controlling real-world devices
- Electric motor control

Lessons, including both diagrams for connecting the components and programs for the students to enter and run will be provided, and each week there will be suggestions for the student to vary the program to change the behavior of the device.

Most of the lessons will include reading on the web, so the student should have web access.

Class size: 3 minimum

Class time: 3:30-4:20 pm

Class level: 8-12

Taught by: Mark Hanson

Materials fee: \$5

Materials needed: text and kit as noted above

Class code: MH7

**Geography**

### **Geography: 3-5 / Period 5 / SZ / 2T**

Students will travel through Central and South America in the second trimester to learn about the culture and traditions of these regions and where the countries are. (The 3-5 Literature class will be reading "Secret of the Andes" by Clark which takes a look at the Inca culture and ties into the area we will be studying in geography.) Students will have quizzes on the location of the countries and they will have to research a country from South America and present it to the class. They should have access to an atlas. There will be some homework and this course will be graded.

Class size: 3 minimum

Class time: 1:30-2:20 pm

Class level: 3-5

Taught by: Sandra Zylstra

Materials fee: none

Materials needed: atlas, pocket folder or binder, pencil, notebook paper

Class code: SZ5

### **Grammar**

### **Grammar 5: 4-6 / Period 4 / KW / 2T**

Classes will cover approximately one chapter per week. Class time will be spent learning and reinforcing grammar concepts and oral recitation. Students will learn basic editing and writing skills. Writing assignments will reinforce learned concepts. Weekly homework will include a take home test, writing assignment and brief exercises to reinforce what is learned during class. The test and exercises will be due Tuesdays at 12:00pm via e-mail, or handed in on Wednesday at the beginning of class. The writing assignments will be due at the start of class.

Class size: 4 minimum

Class time: 12:30-1:20 pm

Class level: 4-6

Taught by: Kathleen Williamson

Materials fee:

Materials needed: [\*Shurley English Homeschooling Workbook Level 5\*](#) ISBN: 9781585610334, one spiral notebook to use as a journal, 3-ring binder and pen/pencil.

A clipboard will be helpful.

Class code: KW4

### **Grammar 7: 6-8 / Period 6 / KW / 2T**

Classes will cover approximately one chapter per week. Class time will be spent learning and reinforcing grammar concepts, diagramming sentences, and oral recitation. Students will learn editing and writing skills including three point paragraphs, narrative and persuasive writing, note taking, research papers and some creative writing. Writing assignments may vary somewhat from the text. Weekly homework will include a take home test, writing assignment and brief exercises to reinforce what is learned during class. The test and exercises will be due Tuesdays at 12:00pm via e-mail. The writing assignments will be due at the start of class.

Class size: 4 minimum

Class time: 2:30-3:20 pm

Class level: 6-8

Taught by: Kathleen Williamson

Materials fee:

Materials needed: [English Made Easy Level 7](#) ISBN: 978-1881940524, 3 ring binder and pen/pencil. A clipboard will be helpful.

Class code: KW6

## History



### **Early Modern History II: 5-8 / Period 3 / PW / 2T**

This is the second of three courses that will provide an introductory survey of the early modern world as part of a four-year sequence in world history. This world history survey is designed to provide students with a solid background for the high school history and literature classes.

This class, "Confessions and Colonies, 1603-1706," will introduce students to the basic outline of seventeenth-century history. The student's primary work will be learning how to use online resources to identify key people, events, and places. The information gathered during the week will be analyzed and discussed in class to show how it all fits together.

The final grade will be based on class participation, completion of weekly assignments, quizzes, and a final exam.

Class size: 8

Class time: 11:00-11:50 am

Class level: 5-8

Taught by: Dr. Peter J. Wallace

Materials fee: none

Materials needed: as above

Class code: PW3

### **Early Modern History II – 17<sup>th</sup> Century: 9-12 / Period 1 / PW / 2T**

This is the second of three courses that will cover several classic works of modern history as part of the third year of a four-year sequence of college preparatory history classes. The course dovetails with the “Early Modern Literature II” course in order to help students understand the interplay of literature, politics, religion, and culture. The instructors of the two courses confer regularly in order to help students connect history and literature within a Christian worldview. The final grade will be based on class participation, completion of study questions, quizzes, essay, and a final exam.

This course will focus especially on the British world from 1600-1700, with an emphasis on the development of political thought.

**[Please note: this year’s course could be considered “World History” (all three trimesters), “U.S. Government” (especially the last two trimesters); or “U.S. History” (especially the last trimester)]**

To facilitate class discussion, the following editions will be *required*:

Rutherford, *Lex Rex*

<http://www.amazon.com/dp/B0006Y4TX4/>

Bradford, *Plymouth Plantation*

<http://www.amazon.com/dp/0486452603/>

Thomas Hobbes, *Leviathan*

<http://www.amazon.com/dp/0521567971/>

Robert Filmer, *Patriarcha*

<http://www.amazon.com/dp/product/0521399033/>

John Locke, *Two Treatises of Government*

<http://www.amazon.com/dp/0300100183/>

Coursepack

Recommended text book (for exams and background for study questions):

Donald Kagan, Steven Ozment, Frank M. Turner, *The Western Heritage*, combined volume, third edition)

<http://www.amazon.com/Western-Heritage-Combined-Brief-CD-ROM/dp/0130415782/>

(There are other editions, but I base my questions on the assumption that the student is familiar with what is in this version.)

Class size: 8

Class time: 9:00-9:50 am

Class level: 9-12

Taught by: Dr. Peter J. Wallace

Materials fee: none

Materials needed: texts as listed in course description  
Class code: PW1

**Language**

**Spanish B: 7-8 / Period 4 / SD / 2T**

This is a 3 trimester course; an introduction to Spanish language, taught toward junior high level students. Recommended for 7th and 8th graders; other grade levels may be admitted upon instructor approval. The course focuses on vocabulary of everyday life, the present tense of verbs, and culture; listening, reading, writing, and speaking the language will be practiced. If taken in sequence with "Spanish A", the two courses together are the equivalent of high school Spanish I, after which students may enroll in Spanish II. Students will purchase a workbook, available online: Spanish is Fun, Book 1, Fourth Edition, <http://www.amscopub.com/viewProduct.php?productID=1343701>. Prerequisite: Spanish A, or other previous Spanish instruction per instructor approval.

Class size: 8

Class time: 12:30-1:20

Class level: 7-8

Taught by: Susan Daniels

Materials fee: none

Materials needed: textbook, 3 ring binder with paper or spiral notebook, pocket folder

Class code: SD 4

**Spanish I Class and Lab: 8-12 / Periods 5 and 6 / SD / 2T**

This is a 3 trimester course, the first year of high school Spanish, focusing on cognate vocabulary, proper pronunciation, vocabulary of family, school, everyday activities, the present tense of verbs, and culture. Listening, reading, writing, and speaking the language will be practiced. Lab time will consist of homework review, testing, and conversation, while class time will be devoted to vocabulary, grammar and reading. Students will purchase a workbook, at <http://www.amscopub.com/viewProduct.php?productID=1343701>

Class size: 10

Class time: 1:30-2:20 AND 2:30-3:20

Class level: 8-12

Taught by: Susan Daniels

Materials fee: none

Materials needed: textbook, 3 ring binder with paper or spiral notebook, pocket folder

Class code: SD 5 AND SD 6

**Spanish II Class and Lab: 9-12 / Periods 5 and 7 / SD / 2T**

Prerequisite: Spanish I. This is a 3 trimester course, the second year of high school Spanish. The coursework is grammar intensive, continuing with present, past, future, conditional, and compound tenses; vocabulary includes nature, everyday activities, stores and shopping, professions; conversation, reading and culture will also be emphasized. Lab time will consist of homework review, conversation and testing, while class time will be devoted to vocabulary, grammar, and reading. The text is available through the publisher at <http://www.amscopub.com/viewProduct.php?productID=1345301>

Class size: 10

Class time: 1:30-2:20 AND 3:30-4:20

Class level: 9-12

Taught by: Susan Daniels

Materials fee: none

Materials needed: textbook, 3 ring binder with paper or spiral notebook, pocket folder

Class code: SD 5 AND SD 7

**Advanced Spanish III/IV Class: 10-12 / Period 3 / SD / 2T**

Prerequisite: Spanish II. This is a 3 trimester course, advanced high school Spanish. It is possible to enroll for this course 2 consecutive years. The coursework reviews and extends past grammar: present, past, future, conditional, and compound tenses. Vocabulary, conversation, reading and culture will also be emphasized. Field experience, volunteer activities in Spanish language settings in the community may be available. Textbooks are: Momentos Hispanos (AMSCO)  
<http://www.amscopub.com/viewProduct.php?productID=1358101>, Spanish Three Years Workbook (AMSCO Publications)  
<http://www.amscopub.com/viewProduct.php?productID=13444>, Spanish New Testament  
[http://www.amazon.com/NVI-Trade-Outreach-Testament-Spanish/dp/1563206137/ref=sr\\_1\\_1?s=books&ie=UTF8&qid=1434379937&sr=1-1&keywords=spanish+new+testament](http://www.amazon.com/NVI-Trade-Outreach-Testament-Spanish/dp/1563206137/ref=sr_1_1?s=books&ie=UTF8&qid=1434379937&sr=1-1&keywords=spanish+new+testament)

Class size: 8

Class time: 11:00-11:50

Class level: 10-12

Taught by: Susan Daniels

Materials fee: none

Materials needed: textbooks, 3 ring binder with paper or spiral notebook, pocket folder

Class code: SD 3

## Literature

**Elementary Literature: 3-5 / Period 2 / SZ / 2T**

Taking a look at other cultures will be the focus of this trimester. "Secret of the Andes" by Clark takes a look at the Incas. This book will also correspond with the study of South America in the 3-5 Geography class. "Around the World in 80 Days" by Verne takes Phileas Fogg on a journey to many different places: Japan, India, Egypt, England, the USA and other countries. They will also be reading a couple of pieces from "The Baldwin Project" (online). One on the Inca culture and the other will be "Ten Boys Who Lived on the Road from Long Ago to Now" by Andrews. Students will be comparing the cultures that they learn about from these readings. Students will have homework for the class and it will be graded.

Class size: 3 minimum

Class time: 10-10:50 am

Class level: 3-5

Taught by: Sandra Zylstra

Materials fee: none

Materials needed: two pocket folder or binder, pencil

"Secret of the Andes" by Clark

"Ten Boys Who Lived on the Road from Long Ago to Now" by Andrews

"Around the World in 80 Days" by Verne

Class code: SZ2

**Literature II: 6-8 / Period 1 / ND / 2T**



The goal of this class is to help intermediate students develop their ability to discern how authors convey their worldview through literary devices such as plot, theme, and character. In this second trimester students will read four science fiction and fantasy novels: *The War of the Worlds*, *Out of the Silent Planet*, *Ender's Game* and *The House of the Scorpion*. We will approach the literature within a Christian worldview. The final grade will be based on class participation, study questions, weekly quizzes, one essay and final exam. Reading load will be about 125 pages per week. Additional readings will be handed out in the course pack. Any unabridged edition of the books listed is acceptable.

- [The War of the Worlds](#) by H.G. Wells
- [Out of the Silent Planet](#) by C.S. Lewis
- [Ender's Game](#) by Orson Scott Card
- [The House of the Scorpion](#) by Nancy Farmer

Class size: 10

Class time: 9:00-9:50 am

Class level: 6-8

Taught by: Ninette Deliyannides

Materials fee: none

Materials needed: Books listed above, three-ringed binder for course packet, notebook paper for taking notes in class. Internet access will be helpful.

Class code: ND1

**Early Modern Literature II: Seventeenth Century: 9-12 / Period 4 / AD / 2T**

This is the second of three courses that will cover several classic works of early modern literature as part of the third year of a four-year sequence of college preparatory literature courses. The course dovetails with the “Early Modern History II” course in order to help students understand the interplay of literature, politics, religion, and culture. The instructors of the two courses confer regularly in order to help students connect history and literature within a Christian worldview. The final grade will be based on class participation, completion of study questions, weekly quizzes, two essays, and a final exam. To facilitate class discussion, the following editions will be *required*:

William Shakespeare, *Twelfth Night* (Signet Classics edition) [tinyurl.com/q3t7af4](https://tinyurl.com/q3t7af4) (also used in Early Modern Literature I)

William Shakespeare, *King Lear* (Signet Classics edition) [tinyurl.com/6yjrd34](https://tinyurl.com/6yjrd34)

William Shakespeare, *The Tempest* (Signet Classics edition) [tinyurl.com/q3t7af4](https://tinyurl.com/q3t7af4) (as above)

*Metaphysical Poetry* (Penguin Classics edition) [tinyurl.com/68a4g3q](https://tinyurl.com/68a4g3q)

John Milton, *Paradise Lost* (Penguin Classics edition) [tinyurl.com/6dhmq3z](https://tinyurl.com/6dhmq3z)

John Milton, *Paradise Regained, etc.* (Modern Library Classics Edition) [tinyurl.com/qcuji7d](https://tinyurl.com/qcuji7d)

Margaret Cavendish, *The Blazing World* (Penguin Classics Edition) [tinyurl.com/ochs67x](https://tinyurl.com/ochs67x)

Class size:

Class time: 12:30-1:20 pm

Class level: 6-8

Taught by: Dr. Andrew B. Deliyannides

Materials fee: none

Materials needed: Books listed above

Class code: AD4

## Music

**Beginning Music: K-3 / Period 4 / SZ / 2T**

Students will continue learning and practicing basic music terms. In this second trimester there will also be a focus on African American music, particularly spirituals. This course will not be graded.

Class size: 3 minimum

Class time: 12:30-1:20 pm

Class level: K-3

Taught by: Sandra Zylstra

Materials fee: none

Materials needed: none

Class code: SZ4

**Music Theory: 3-8 / Period 3 / SZ / 2T**

This course will help the student move beyond the basics in music. We will be learning how to identify key signatures, playing out rhythms, tempo markings, dictation (writing

out rhythms you hear) and continue sight reading. We will also be learning group and independent rhythm skills through Bucket Drumming. This course will not be graded.

Class size: 3 minimum

Class time: 11-11:50 am

Class level: 3-8

Taught by: Sandra Zylstra

Materials fee: none

Materials needed: pocket folder or binder, pencil

Class code: SZ3

## **SAT I Prep**

## **SAT I Prep – Math Prep: 9-12 / Period 5 / KW / 2T**

Your student will need a mastery of basic algebra and geometry for the SAT I exam. We will introduce all of the 17 strategies and techniques to adequately answer these parts of the exam. Some timed-quizzes will also be given to assess mastery of basic facts. Feel free to bring your own math text book to tackle your worst math nightmares. No grade will be given for this course.

Class size: 4 minimum

Class time: 1:30-2:20 pm

Class level: 9-12

Taught by: Kathleen Williamson

Materials fee:

Materials needed: Pencils, erasers, scrap paper or loose leaf.

**OPTIONAL:** Barron's SAT, 24<sup>th</sup> edition or later.

Class code: KW5

## **Science**

**Biology I: 8-10 / Period 7 / SAH / 2T**

[Exploring Creation with Biology I, 2<sup>nd</sup> Edition](#) continues with studies in cellular biology, and molecular and Mendelian genetics. The study of evolution may be done as extra credit over the winter break. We will continue with dissection and the study of ecosystems. There will be about two hours of homework per week, to include reading from the text and other sources, answering questions from the text, and analysis of laboratory work done in the classroom. Grades will be based on lab work, homework assignments and chapter tests. Students will need internet access for reading assignments, research, homework and tests. Tests will be take-home, and are due on the next class day. Students will need a folder or notebook for handouts and lab work. There is a \$5 lab fee.

Class size: 8

Class time: 3:30-4:20 pm

Class level: 8-10

Taught by: Sally Hanson

Materials fee: \$5

Materials needed: text as listed in course description, binder or folder

Class code: SAH7

**Botany: 6-8 / Period 5 / SAH / 2T**

[Exploring Creation with Botany](#) will continue with the study of roots, stems and seeds. We will also continue Nature Journaling. There will be about two hours of homework per week, to include reading from the text and other sources, answering questions from the text, and analysis of laboratory work done in the classroom. Grades will be based on lab work, homework assignments and chapter tests. Journaling is expected, but not graded. Tests are take-home and are due the next class day. Students will need a folder or notebook for handouts and lab work, pencils, and an unlined journal for nature study. They may also want colored pencils for their journal drawings. There is a \$5 lab fee.

Class size: 8

Class time: 1:30-2:20 pm

Class level: 6-8

Taught by: Sally Hanson

Materials fee: \$5

Materials needed: text as listed in course description, binder or folder, Journal, (colored pencils optional)

Class code: SAH5

**Chemistry: 10-12 / Period 2 / SAH / 2T**

[Exploring Creation with Chemistry, 2<sup>nd</sup> Edition](#) 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 2<sup>nd</sup> Trimester covers stoichiometry, atomic structures, molecular structures, the Lewis structure of atoms, covalent bonds, and acid/base chemistry. During class we will perform experiments from the text and MicroChem Labs. There will be two to four hours of homework per week, to include reading and answering questions from the text, and analysis of laboratory work done in the classroom. Grades will be based on lab work, homework assignments and chapter tests. Students will need internet access for reading assignments, research, and homework. Tests will be taken at home and are due the following class period. Students will need a folder or notebook for handouts and lab work. Additional question and answer time will be available during Study Hall 3, 11:00-11:50 am. Students who take and understand this course will be very well-prepared for a tough university chemistry course. There is a \$5 materials fee for this class.

Class size: 8

Class time: 10:00-10:50 am

Class level: 10-12

Taught by: Sally Hanson

Materials fee: \$5

Materials needed: text as listed in course description, binder

Class code: SAH 2

**Zoology 3: 3-5 / Period 1 / SAH / 2T**



The second trimester of [Exploring Creation with Zoology 3: Land Animals of the 6<sup>th</sup> Day](#) will take students on an exploration of the rest of the mammals, including primates, rodents, ungulates and bovines. We will talk about classification, especially with primates, and will dissect owl pellets. There will be readings from the text, and from the Apologia website. Homework will be assigned weekly. At home, students will have mapping exercises, which may need adult supervision. Grades will be based on homework assignments and chapter tests. Students will be required to have a notebook or folder for handouts.

Class size: 8

Class time: 9:00-9:50 am

Class level: 3-5

Taught by: Sally Hanson

Materials fee: none

Materials needed: text as listed in course description, world map, notebook or folder, pencil

Class code: SAH1

**Study Hall**

## **Study Hall: K-12 / Periods 1, 2, 3, 4, 5, 6, 7 / SH / 2T**

This class is designed as a service for the parents. Monitored Study Hall is available at no additional charge to students who have signed up for *at least four other classes/labs*. If a student is enrolled in fewer than four classes/labs, then a \$25.00 fee per study hall per trimester is applicable. This will be a supervised time for students to work on quiet homework or read. Students will not be allowed to talk, eat or engage in any activity that is not reading, drawing or schoolwork. Students not signed up for a class or study hall will not be allowed to remain on the premises.

Class size: no limit

Class times and code: 9:00-9:50am (SH 1), 10:00am-10:50am (SH 2), 11:00am-11:50am (SH 3), 12:30pm-1:20pm (SH 4), 1:30pm-2:20pm (SH 5), 2:30pm-3:20pm (SH 6), 3:30pm-4:20pm (SH 7)

Class level: K-12

Taught by: Study Hall Monitor

Materials fee: No charge for this class if student is enrolled in at least four other Academy classes, or \$25.00 per trimester per study hall

Materials needed: Homework, drawing or reading material

Class code: see above

## **Writing**

## **Institute for Excellence in Writing**

**ALL** Institute for Excellence in Writing (IEW) courses will cover creative, expository, and descriptive writing. Course materials may all be purchased from the Institute for Excellence in Writing website: [www.excellenceinwriting.com](http://www.excellenceinwriting.com). (Go to Products, Writing, Student Writing Intensive, and find Notebook and Packet Only.) All courses require the use of the **KEY WORD OUTLINE** for gathering facts used in assignments. It is highly recommended that students enroll for all 3 trimesters of this course. **ALL FINAL assignments are to be in INK, whether they are typed or handwritten. ALL weekly assignments are due by 5:00 p.m. via email, on the Monday after the lesson, unless other arrangements have been made with the instructor. Plagiarism will NOT be tolerated.**

### **Level A Writing – Beginning: 3-5 / Period 3 / KW / 2T**

This course covers the basic introduction and reinforcement of the Institute for Excellence in Writing (IEW) program. **Please read the general statement for ALL IEW courses, above.** Beginning with the Key Word Outline, the students learn how to gather information from source texts. Then, they learn the PROCESS for transforming those facts into meaningful reports, stories, and essays. Students enrolled in this course should understand what a complete sentence is and have had some writing experiences. Reluctant writers welcome! Weekly assignments are from 1-5 paragraphs long, and are due by 5:00 p.m. the Monday after the assignment is given. This will be a graded course.

Class size: 4 minimum

Class time: 11:00-11:50 am

Class level: 3-5

Taught by: Kathleen Williamson, registered IEW Instructor

Materials fee: none

Materials needed: [IEW Level A Student Writing notebook Code: SIM-A Price: \\$19.00 or Code: SIM-AE Price: \\$10.00 for the e-version.](#) Paper, pens, highlighter, clipboard optional.

Class code: KW 3

### **Level B Writing – Intermediate: 6-8 / Period 2 / KW / 2T**

This course covers much of the same material as the Level C High School course, but at a slower pace. There will be weekly creative, descriptive and expository writing assignments each week. We will work from the simple to the more complex, expanding vocabulary and sentence structures. Texts used are age appropriate for this level. This will be a graded course. **Please read the general statement for ALL IEW courses, above.**

Class size: 4 minimum

Class time: 10:00-10:50

Class level: 6-8

Taught by: Kathleen Williamson, registered IEW Instructor

Materials fee: none

Materials needed: [IEW Level B Student Writing Intensive notebook, Code: SIM-B Price: \\$19.00 OR Code: SIM-BE Price: \\$10.00 for the e-book version.](#) Pens, paper, highlighters, optional clipboard.

Class code: KW 2

**LEVEL C Writing–Advanced: 9-12 / Period 1 / KW / 2T**

This course is for the general student and will provide instruction in the written word. Assignments cover the [IEW Level C Student Intensive](#) course. **Please read the general statement for ALL IEW courses, above.** If students struggle with some of the Basic English principles, this course will help them to master those concepts. This is NOT a grammar course, but grammatical principles will be introduced. Spelling is the responsibility of the student. Weekly assignments include creative, descriptive, and expository writing. There will be a grade given at the end of this trimester. It is highly recommended that students take this course for all 3 trimesters to fully develop the necessary skills for writing.

Class size: 4 minimum

Class time: 9:00-9:50 am

Class level: 9-12

Taught by: Kathleen Williamson, registered IEW Instructor

Materials fee: none

Materials needed: [IEW Level C Student Writing Intensive notebook, Code: SIM-C Price: \\$19.00](#) [OR Code: SIM-CE Price: \\$10.00 for the e-book version.](#) Paper, pens, highlighter, clipboard optional.

Class code: KW 1

**Michiana Covenant Academy**  
**Course Catalog**  
**2015-2016**  
**3<sup>rd</sup> Trimester**

**Art**

**Art: K-2 / Period 5 / ND / 3T**

This is a foundation art class that will focus on the elements and techniques of art. In this third trimester, student artwork will be based on what they learn about Modern and Latin American art and artists. Students will work with a wide variety of media. All artwork will remain in class until the last class when students can take their portfolios home. Students will need to wear old clothing or an apron as some supplies will not wash out of clothing. All art materials will be supplied; there is a \$5.00 material fee.

Class size: 8

Class time: 1:30-2:20 pm

Class level: K-2

Taught by: Ninette Deliyannides

Materials fee: \$5.00

Materials needed: art apron

Class code: ND5

**Art: 3-5 / Period 4 / ND / 3T**

This is a foundation art class that will focus on the elements and techniques of art. In this third trimester, student artwork will be based on what they learn about Baroque and Rococo art and artists. Students will explore both two-dimensional and three-dimensional artwork. All artwork will remain in class until the last class when students can take their portfolios home. Students will need to wear old clothing or an apron as some supplies will not wash out of clothing. All art materials will be supplied; there is a \$5.00 material fee.

Class size: 12

Class time: 12:30 -1:20 pm

Class level: 3-5

Taught by: Ninette Deliyannides

Materials fee: \$5.00

Materials needed: art apron

Class code: ND 4

**Art: 6-8 / Period 7 / ND / 3T**

This third trimester students will learn about Symbolism and Art Nouveau art and artist. Students will work with a wide range of media to create original designs based on studied art. There may be some light homework. All artwork will remain in class until the last class when students can take their portfolios home. Students will need to wear old clothing or an apron as some supplies will not wash out of clothing. All art materials will be supplied; there is a \$5.00 material fee.

Class size: 12

Class time: 3:30-4:20 pm

Class level: 6-8

Taught by: Ninette Deliyannides

Materials fee: \$5.00

Materials needed: art apron

Class code: ND7



**Art: 9-12 / Period 3 / ND / 3T**

This fine arts class will focus on Cubism and Expressionism art and artists. Students will examine works of art and use the styles and techniques to create original works of their own. All artwork will remain in class until the last class when students can take their portfolios home. Students will need to wear old clothing or an apron as some supplies will not wash out of clothing. All art materials will be supplied; there is a \$5.00 material fee. There may be an optional museum tour scheduled during the trimester.

Class size: 12

Class time: 11:00-11:50 am

Class level: 9-12

Taught by: Ninette Deliyannides

Materials fee: \$5.00

Materials needed: art apron

Class code: ND3

**Drawing: 7-12 / Period 2 / ND / 3T**

Students will explore composition building, shading and storytelling in their weekly drawing assignments. There will be 2-3 hours of homework per week. Students may take their portfolios home on the last day of class. This is an ungraded class unless parents request otherwise before the first class.

Class size: 15

Class time: 10:00-10:50 am

Class level: 7-12

Taught by: Ninette Deliyannides

Materials fee: \$5.00

Materials needed: [Faber-Castell Graphite Aquarelle Pencil set](#): 8B, 6B, 4B, 2B and HB, one [eraser shield](#), one 9" x 12" spiral/tear pad of drawing paper (60lb minimum), 1 tri-tip eraser black or white, one [Stump set](#) (small, med., large), one of each pencil: #2B, #4B, #6B

Class code: ND2

## Computer Science

### **The World of Computers: Class outline**

The World of Computers is a three-trimester course, focusing on understanding electricity and electronics, programming computers of various kinds, and looking at how they connect to the real world. At the heart of the class, we will be working with the Arduino Uno microcontroller board, which provides a simple base for projects that do interesting things – lights, motors, clocks and such. Our base language will be C++. But the class has as its broader goal to enable the students to see the technical world around them as understandable and “do”-able – to get a taste of engineering. This class is intended as enrichment, and students will not receive a letter grade. However, there will be take-home quizzes and tests for me to learn how much the students are learning, and I will write each parent a short paragraph at trimester’s end describing their student’s progress and interactions.

Prerequisites: Algebra (students have to know how to work equations, and that letters can be used to replace numbers)

### **Computers in the Real World: 8-12 / Period 7 / MH / 3T**

In the final trimester, we will look both at how to do “real” things with the Arduino, and how programming is used in the broader world (websites, office tools like Excel, cars). We will look at the basics of other computer languages like Java and HTML.

The heart of the class will be a larger Arduino project which is yet to be decided – a simple robotic device, or an electronic door lock, or a full-function clock are some of the items that can be chosen. Students will work together to make the choice of project and design / implement the various parts of that project. The result may be a single class project item if it is large or costly, or individual devices for each student if size and complexity is not prohibitive. We will also look at “classic” programming (a program that dwells entirely on the computer) by programming John Conway’s simple cellular automaton “Life”, and take a close look at computer graphics.

This class will continue in last trimester’s text, and make use of web resources.

Class size: 3 minimum

Class time: 3:30-4:20 pm

Class level: 8-12

Taught by: Mark Hanson

Materials fee: \$5

Materials needed: text and kit as noted above

Class code: MH7

## **Geography**

### **Geography: 3-5 / Period 5 / SZ / 3T**

Learning about Asia will be the focus this trimester. They will learn about the countries, land forms, industries, people of the regions, and famous landmarks. We will study Asia in sections: North, South West, South Central, and South East. Students should have access to an atlas. Students will have to research a country from each section of Asia and present it to the class. They should have access to an atlas. This course will be graded.

Class size: 3 minimum

Class time: 1:30-2:20 pm

Class level: 3-5

Taught by: Sandra Zylstra

Materials fee: none

Materials needed: atlas, pocket folder or binder, pencil, notebook paper

Class code: SZ5

## Grammar

### Grammar 5: 4-6/ Period 4 / KW / 3T

Classes will cover approximately one chapter per week. Class time will be spent learning and reinforcing grammar concepts and oral recitation. Students will learn basic editing and writing skills. Writing assignments will reinforce learned concepts. Weekly homework will include a take home test, writing assignment and brief exercises to reinforce what is learned during class. The test and exercises will be due Tuesdays at 12:00pm via e-mail, or handed in on Wednesday at the beginning of class. The writing assignments will be due at the start of class.

Class size: 4 minimum

Class time: 12:30-1:20 pm

Class level: 4-6

Taught by: Kathleen Williamson

Materials fee:

Materials needed: [\*Shurley English Homeschooling Workbook Level 5\*](#) ISBN: 9781585610334, one spiral notebook to use as a journal, 3-ring binder and pen/pencil. A clipboard will be helpful.

Class code: KW4

**Grammar 7: 6-8 / Period 6 / KW / 3T**

Classes will cover approximately one chapter per week. Class time will be spent learning and reinforcing grammar concepts, diagramming sentences, and oral recitation.

Students will learn editing and writing skills including three point paragraphs, narrative and persuasive writing, note taking, research papers and some creative writing. Writing assignments may vary somewhat from the text. Weekly homework will include a take home test, writing assignment and brief exercises to reinforce what is learned during class. The test and exercises will be due Tuesdays at 12:00pm via e-mail. The writing assignments will be due at the start of class.

Class size: 4 minimum

Class time: 2:30-3:20 pm

Class level: 6-8

Taught by: Kathleen Williamson

Materials fee:

Materials needed: [English Made Easy Level 7](#) ISBN: 978-1881940524, 3 ring binder and pen/pencil. A clipboard will be helpful.

Class code: KW6

## History

### **Early Modern History III: 5-8 / Period 3 / PW / 3T**

This is the third of three courses that will provide an introductory survey of the early modern world as part of a four-year sequence in world history. This world history survey is designed to provide students with a solid background for the high school history and literature classes.

This class, "Enlightenment and Revolution, 1706-1789," will introduce students to the basic outline of eighteenth-century history. The student's primary work will be learning how to use online resources to identify key people, events, and places. The information gathered during the week will be analyzed and discussed in class to show how it all fits together.

The final grade will be based on class participation, completion of weekly assignments, quizzes, and a final exam.

Class size:

Class time: 11:00-11:50 am

Class level: 5-8

Taught by: Dr. Peter J. Wallace

Materials fee: none

Materials needed: as above

Class code: PW3

### Early Modern History III – 18<sup>th</sup> Century: 9-12 / Period 1 / PW / 3T

This is the third of three courses that will cover several classic works of modern history as part of the third year of a four-year sequence of college preparatory history classes. The course dovetails with the “Early Modern Literature III” course in order to help students understand the interplay of literature, politics, religion, and culture. The instructors of the two courses confer regularly in order to help students connect history and literature within a Christian worldview. The final grade will be based on class participation, completion of study questions, quizzes, essay, and a final exam.

This course will focus on the age of democratic revolutions (especially America and France), and the constitutional thought surrounding them.

**[Please note: this year’s course could be considered “World History” (all three trimesters), “U.S. Government” (especially the last two trimesters); or “U.S. History” (especially the last trimester)]**

To facilitate class discussion, the following editions will be *required*:

Jean-Jacques Rousseau, *The Social Contract* (Penguin Classics)  
<http://www.amazon.com/dp/0140442014/>

Bernard Bailyn, ed., *The Debate on the Constitution*, 2 vols (Library of America)  
<http://www.amazon.com/dp/B000W2DD7S/>  
(You may be able to find this cheaper – but this page shows the proper edition)

Edmund Burke, *Reflections on the Revolution in France* (Stanford)  
<http://www.amazon.com/dp/0804742057/>

Recommended text books (for exams and background for study questions):

1) Donald Kagan, Steven Ozment, Frank M. Turner, *The Western Heritage*, combined volume, third edition)  
<http://www.amazon.com/Western-Heritage-Combined-Brief-CD-ROM/dp/0130415782/>

2) Garraty & McCaughey, *The American Nation* (sixth edition)  
[www.amazon.com/American-Nation-History-United-States/dp/0060423129/](http://www.amazon.com/American-Nation-History-United-States/dp/0060423129/)

(There are other editions, but I base my questions on the assumption that the student is familiar with what is in these editions.)

Class size:

Class time: 9:00-9:50 am

Class level: 9-12

Taught by: Dr. Peter J. Wallace

Materials fee: none

Materials needed: texts as listed in course description



Class code: PW1

## Language

### **Spanish B: 7-8 / Period 4 / SD / 3T**

This is a 3 trimester course; an introduction to Spanish language, taught toward junior high level students. Recommended for 7th and 8th graders; other grade levels may be admitted upon instructor approval. The course focuses on vocabulary of everyday life, the present tense of verbs, and culture; listening, reading, writing, and speaking the language will be practiced. If taken in sequence with "Spanish A", the two courses together are the equivalent of high school Spanish I, after which students may enroll in Spanish II. Students will purchase a workbook, available online: Spanish is Fun, Book 1, Fourth Edition, <http://www.amscopub.com/viewProduct.php?productID=1343701>. Prerequisite: Spanish A, or other previous Spanish instruction per instructor approval.

Class size: 8

Class time: 12:30-1:20

Class level: 7-8

Taught by: Susan Daniels

Materials fee: none

Materials needed: textbook, 3 ring binder with paper or spiral notebook, pocket folder

Class code: SD 4

**Spanish I Class and Lab: 8-12 / Periods 5 and 6 / SD / 3T**

This is a 3 trimester course, the first year of high school Spanish, focusing on cognate vocabulary, proper pronunciation, vocabulary of family, school, everyday activities, the present tense of verbs, and culture. Listening, reading, writing, and speaking the language will be practiced. Lab time will consist of homework review, testing, and conversation, while class time will be devoted to vocabulary, grammar and reading. Students will purchase a workbook, at <http://www.amscopub.com/viewProduct.php?productID=1343701>

Class size: 10

Class time: 1:30-2:20 AND 2:30-3:20

Class level: 8-12

Taught by: Susan Daniels

Materials fee: none

Materials needed: textbook, 3 ring binder with paper or spiral notebook, pocket folder

Class code: SD 5 AND SD 6

**Spanish II Class and Lab: 9-12 / Periods 5 and 7 / SD / 3T**

Prerequisite: Spanish I. This is a 3 trimester course, the second year of high school Spanish. The coursework is grammar intensive, continuing with present, past, future, conditional, and compound tenses; vocabulary includes nature, everyday activities, stores and shopping, professions; conversation, reading and culture will also be emphasized. Lab time will consist of homework review, conversation and testing, while class time will be devoted to vocabulary, grammar, and reading. The text is available through the publisher at

<http://www.amscopub.com/viewProduct.php?productID=1345301>

Class size: 10

Class time: 1:30-2:20 AND 3:30-4:20

Class level: 9-12

Taught by: Susan Daniels

Materials fee: none

Materials needed: textbook, 3 ring binder with paper or spiral notebook, pocket folder

Class code: SD 5 AND SD 7

### **Advanced Spanish III/IV Class: 10-12 / Period 3 / SD / 3T**

Prerequisite: Spanish II. This is a 3 trimester course, advanced high school Spanish. It is possible to enroll for this course 2 consecutive years. The coursework reviews and extends past grammar: present, past, future, conditional, and compound tenses. Vocabulary, conversation, reading and culture will also be emphasized. Lab time will consist of homework review, testing, and conversation, while class time will be devoted to vocabulary, grammar and reading. Field experience, volunteer activities in Spanish language settings in the community may be available. Textbooks are: Momentos Hispanos (AMSCO) <http://www.amscopub.com/viewProduct.php?productID=1358101>, Spanish Three Years Workbook (AMSCO Publications) <http://www.amscopub.com/viewProduct.php?productID=13444>, Spanish New Testament [http://www.amazon.com/NVI-Trade-Outreach-Testament-Spanish/dp/1563206137/ref=sr\\_1\\_1?s=books&ie=UTF8&qid=1434379937&sr=1-1&keywords=spanish+new+testament](http://www.amazon.com/NVI-Trade-Outreach-Testament-Spanish/dp/1563206137/ref=sr_1_1?s=books&ie=UTF8&qid=1434379937&sr=1-1&keywords=spanish+new+testament)

Class size: 8

Class time: 11:00-11:50

Class level: 10-12

Taught by: Susan Daniels

Materials fee: none

Materials needed: textbooks, 3 ring binder with paper or spiral notebook, pocket folder

Class code: SD 3

## Literature

### **Elementary Literature: 3-5 / Period 2 / SZ / 3T**

Take a trip into a land of fantasy with “Cricket in Times Square” by Selden, “Mrs. Frisby and the Rats of NIMPH” by O’Brien, and “The Secret Garden” by Burnett. Students will specifically be studying the characters and the plot of these books and learning about fantasy as a genre. There will be homework for the class and it will be graded.

Class size: 3 minimum

Class time: 10:00-10:50 am

Class level: 3-5

Taught by: Sandra Zylstra

Materials fee: none

Materials needed: two pocket folder or binder, pencil

“Cricket in Times Square” by Selden

“Mrs. Frisby and the Rats of NIMPH” by O’Brien

“The Secret Garden” by Burnett

Class code: SZ2

### Literature III: 6-8 / Period 1 / ND / 3T

The goal of this class is to help intermediate students develop their ability to discern how authors convey their worldview through literary devices such as plot, theme, and character. In this third trimester students will read three novels about characters under pressure and several short stories: *My Name is Asher Lev*, *A Day no Pigs would Die*, and *The Pearl*. Additional readings will be handed out in the course pack. We will approach the literature within a Christian worldview. The final grade will be based on class participation, study questions, weekly quizzes, one essay and final exam. Reading load will be about 100 pages per week. Any unabridged edition of the books listed is acceptable.

-[A Day no Pigs would Die](#) by Robert Newton Peck

-[The Pearl](#) by John Steinbeck

-[My Name is Asher Lev](#) by Chaim Potok

Class size: 10

Class time: 9:00-9:50 am

Class level: 6-8

Taught by: Ninette Deliyannides

Materials fee: none

Materials needed: Books listed above, three-ringed binder for course packet, notebook paper for taking notes in class. Internet access will be helpful.

Class code: ND1

### **Early Modern Literature III: Eighteenth Century: 9-12 / Period 4 / AD / 3T**

This is the third of three courses that will cover several classic works of early modern literature as part of the third year of a four-year sequence of college preparatory literature courses. The course dovetails with the “Early Modern History III” course in order to help students understand the interplay of literature, politics, religion, and culture. The instructors of the two courses confer regularly in order to help students connect history and literature within a Christian worldview. The final grade will be based on class participation, completion of study questions, weekly quizzes, one essay, and a final exam. To facilitate class discussion, the following editions will be *required*:

Alexander Pope, *The Major Works* (Oxford World’s Classics edition)

[tinyurl.com/q8nvw5y](http://tinyurl.com/q8nvw5y)

Daniel Defoe, *Robinson Crusoe* (Penguin Classics edition) [tinyurl.com/py5w3ee](http://tinyurl.com/py5w3ee)

Jonathan Swift, *Gulliver’s Travels* (Penguin Classics edition) [tinyurl.com/3ocsz6a](http://tinyurl.com/3ocsz6a)

Voltaire, *Candide and Other Stories* (Oxford World’s Classics edition) [tinyurl.com/6d6fjzs](http://tinyurl.com/6d6fjzs)

Johann Wolfgang von Goethe, *The Sorrows of Young Werther* (Penguin Classics edition)  
[tinyurl.com/7s49l43](http://tinyurl.com/7s49l43)

Class size:

Class time: 12:30-1:20 pm

Class level: 6-8

Taught by: Dr. Andrew B. Deliyannides

Materials fee: none

Materials needed: Books listed above

Class code: AD4



## **Music**

### **Beginning Music: K-3 / Period 4 / SZ / 3T**

Along with becoming more proficient in our basic music knowledge, we will learn songs about America and focus on American composers. This course will not be graded.

Class size: 3 minimum

Class time: 12:30-1:20 pm

Class level: K-3

Taught by: Sandra Zylstra

Materials fee: none

Materials needed: none

Class code: SZ4

**Music Theory: 3-8 / Period 3 / SZ / 3T**

This course will help the student move beyond the basics in music. We will be learning all the notes on the staff, intervals (written and aural), dictation (rhythms and melody) and we will continue our sight reading. We will also continue working as group with Bucket Drumming. This course will not be graded.

Class size: 3 minimum

Class time: 11-11:50 am

Class level: 3-8

Taught by: Sandra Zylstra

Materials fee: none

Materials needed: pocket folder or binder, pencil

Class code: SZ3

## **SAT I Prep**

### **SAT I Prep- Verbal Prep: 9-12 / Period 5 / KW / 3T**

This course introduces strategies and techniques to develop critical thinking skills and the vocabulary necessary to improve your SAT I score. Weekly vocabulary quizzes are given as well. It is highly recommended that students planning to attend college in the near future have a practice of reading 70 pages or more per week of college level literature.

Class size: 4 minimum

Class time: 1:30-2:20 pm

Class level: 9-12

Taught by: Kathleen Williamson

Materials fee:

Materials needed: Pencils, erasers, scrap paper or loose leaf notebook paper.

**OPTIONAL:** Barron's SAT, 24<sup>th</sup> edition or later.

Class code: KW5

## Science

### **Biology I: 8-10 / Period 7 / SAH / 3 T**

[Exploring Creation with Biology I, 2<sup>nd</sup> Edition](#) concludes with a complete survey of the five kingdoms in Creation. Students who take and understand this course will be very well-prepared for a tough university biology course. There will be about two hours of homework per week, to include reading from the text and other sources, answering questions from the text, and analysis of laboratory work done in the classroom. Grades will be based on lab work, homework assignments and chapter tests. Students will need internet access for reading assignments, research, homework and tests. Tests will be take-home, and are due on the next class day. Students will need a folder or notebook for handouts and lab work. There is a \$5 lab fee.

Class size: 8

Class time: 3:30-4:20 pm

Class level: 8-10

Taught by: Sally Hanson

Materials fee: \$5

Materials needed: text as listed in course description, binder or folder

Class code: SAH7

**Botany: 6-8 / Period 5 / SAH / 3T**

[Exploring Creation with Botany](#) will conclude with the study of flowers, pollination, and fruits. We will continue Nature Journaling through the summer, and hopefully for a lifetime. There will be about two hours of homework per week, to include reading from the text and other sources, answering questions from the text, and analysis of laboratory work done in the classroom. Grades will be based on lab work, homework assignments and chapter tests. Journaling is expected, but not graded. Tests are take-home and are due the next class day. Students will need a folder or notebook for handouts and lab work, pencils, and an unlined journal for nature study. They may also want colored pencils for their journal drawings. There is a \$5 lab fee.

Class size: 8

Class time: 1:30-2:20 pm

Class level: 6-8

Taught by: Sally Hanson

Materials fee: \$5

Materials needed: text as listed in course description, binder or folder, Journal, (colored pencils optional)

Class code: SAH5

**Chemistry: 10-12 / Period 2 / SAH / 3T**

[Exploring Creation with Chemistry, 2<sup>nd</sup> Edition](#) 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 3<sup>rd</sup> Trimester covers the Ideal Gas Law, thermodynamics, entropy, kinetics, catalysts, chemical equilibrium, LeChatelier's principle and oxidation/reduction reactions. During class we will perform experiments from the text and MicroChem Labs. There will be two to four hours of homework per week, to include reading and answering questions from the text, and analysis of laboratory work done in the classroom. Grades will be based on lab work, homework assignments and chapter tests. Students will need internet access for reading assignments, research, and homework. Tests will be taken at home and are due the following class period. Students will need a folder or notebook for handouts and lab work. Additional question and answer time will be available during Study Hall 3, 11:00-11:50 am. Students who take and understand this course will be very well-prepared for a tough university chemistry course. There is a \$5 materials fee for this class.

Class size: 8

Class time: 10:00-10:50 am

Class level: 10-12

Taught by: Sally Hanson

Materials fee: \$5

Materials needed: text as listed in course description, binder

Class code: SAH 2

### **Zoology 3: 3-5 / Period 1 / SAH / 3T**

The third trimester of [Exploring Creation with Zoology 3: Land Animals of the 6<sup>th</sup> Day](#) will take students on an exploration of reptiles, amphibians, dinosaurs, arthropods and worms. We will talk about animal defenses and parasitism, and will end up with creating a worm composting bucket. There will be readings from the text, and from the Apologia website. Homework will be assigned weekly. At home, students will have mapping exercises, which may need adult supervision. Grades will be based on homework assignments and chapter tests. Students will be required to have a notebook or folder for handouts.

Class size: 8

Class time: 9:00-9:50 am

Class level: 3-5

Taught by: Sally Hanson

Materials fee: none

Materials needed: text as listed in course description, world map, notebook or folder, pencil

Class code: SAH1

## Study Hall

### Study Hall: K-12 / Periods 1, 2, 3, 4, 5, 6, 7 / SH / 3T

This class is designed as a service for the parents. Monitored Study Hall is available at no additional charge to students who have signed up for *at least four other classes/labs*. If a student is enrolled in fewer than four classes/labs, then a \$25.00 fee per study hall per trimester is applicable. This will be a supervised time for students to work on quiet homework or read. Students will not be allowed to talk, eat or engage in any activity that is not reading, drawing or schoolwork. Students not signed up for a class or study hall will not be allowed to remain on the premises.

Class size: no limit

Class times and code: 9:00-9:50am (SH 1), 10:00am-10:50am (SH 2), 11:00am-11:50am (SH 3), 12:30pm-1:20pm (SH 4), 1:30pm-2:20pm (SH 5), 2:30pm-3:20pm (SH 6), 3:30pm-4:20pm (SH 7)

Class level: K-12

Taught by: Study Hall Monitor

Materials fee: No charge for this class if student is enrolled in at least four other Academy classes, or \$25.00 per trimester per study hall

Materials needed: Homework, drawing or reading material

Class code: see above



# Writing

## Institute for Excellence in Writing

**ALL** Institute for Excellence in Writing (IEW) courses will cover creative, expository, and descriptive writing. Course materials may all be purchased from the Institute for Excellence in Writing website: [www.excellenceinwriting.com](http://www.excellenceinwriting.com). (Go to Products, Writing, Student Writing Intensive, and find Notebook and Packet Only.) All courses require the use of the **KEY WORD OUTLINE for gathering facts used in assignments**. It is **highly recommended that students enroll for all 3 trimesters of this course**. **ALL FINAL assignments are to be in INK, whether they are typed or handwritten. ALL weekly assignments are due by 5:00 p.m. via email, on the Monday after the lesson, unless other arrangements have been made with the instructor. Plagiarism will NOT be tolerated.**

### **Level A Writing – Beginning: 3-5 / Period 3 / KW / 3T**

This course covers the basic introduction and reinforcement of the Institute for Excellence in Writing (IEW) program. **Please read the general statement for ALL IEW courses, above.** Beginning with the Key Word Outline, the students learn how to gather information from source texts. Then, they learn the PROCESS for transforming those facts into meaningful reports, stories, and essays. Students enrolled in this course should understand what a complete sentence is and have had some writing experiences. Reluctant writers welcome! Weekly assignments are from 1-5 paragraphs long, and are due by 5:00 p.m. the Monday after the assignment is given. This will be a graded course.

Class size: 4 minimum

Class time: 11:00-11:50 am

Class level: 3-5

Taught by: Kathleen Williamson, registered IEW Instructor

Materials fee: none

Materials needed: [IEW Level A Student Writing notebook Code: SIM-A Price: \\$19.00 or Code: SIM-AE Price: \\$10.00 for the e-version.](#) Paper, pens, highlighter, clipboard optional.

Class code: KW 3

**Level B Writing – Intermediate: 6-8 / Period 2 / KW / 3T**

This course covers much of the same material as the Level C High School course, but at a slower pace. There will be weekly creative, descriptive and expository writing assignments each week. We will work from the simple to the more complex, expanding vocabulary and sentence structures. Texts used are age appropriate for this level. This will be a graded course. **Please read the general statement for ALL IEW courses, above.**

Class size: 4 minimum

Class time: 10:00-10:50

Class level: 6-8

Taught by: Kathleen Williamson, registered IEW Instructor

Materials fee: none

Materials needed: [IEW Level B Student Writing Intensive notebook, Code: SIM-B Price: \\$19.00 OR Code: SIM-BE Price: \\$10.00 for the e-book version.](#) Pens, paper, highlighters, optional clipboard.

Class code: KW 2

**LEVEL C Writing–Advanced: 9-12 / Period 1 / KW / 3T**

This course is for the general student and will provide instruction in the written word. Assignments cover the IEW Level C Student Intensive course. **Please read the general statement for ALL IEW courses, above.** If students struggle with some of the Basic English principles, this course will help them to master those concepts. This is NOT a grammar course, but grammatical principles will be introduced. Spelling is the responsibility of the student. Weekly assignments include creative, descriptive, and expository writing. There will be a grade given at the end of this trimester. It is highly recommended that students take this course for all 3 trimesters to fully develop the necessary skills for writing.

Class size: 4 minimum

Class time: 9:00-9:50 am

Class level: 9-12

Taught by: Kathleen Williamson, registered IEW Instructor

Materials fee: none

Materials needed: [IEW Level C Student Writing Intensive notebook, Code: SIM-C Price: \\$19.00](#) [OR Code: SIM-CE Price: \\$10.00 for the e-book version.](#) Paper, pens, highlighter, clipboard optional.

Class code: KW 1