



***Affirming Christ; Achieving Excellence***  
***Course Catalog***

***Monday/Wednesday***

***2024-2025***

# **Table of Contents**

<b>ARTS (VISUAL)</b>	<b>2</b>
<b>CHOIR/PRIVATE PIANO/VOICE</b>	<b>5</b>
<b>CHRISTIAN WORLDVIEWS</b>	<b>10</b>
<b>CLASSICAL WRITING (PROGYM)</b>	<b>11</b>
<b>COMMUNICATION ARTS</b>	<b>13</b>
<b>COMPUTER APPLICATIONS</b>	<b>30</b>
<b>DRAMA (Musical Theater)</b>	<b>31</b>
<b>LIFE SKILLS/HEALTH</b>	<b>33</b>
<b>FOREIGN LANGUAGE (SPANISH)</b>	<b>34</b>
<b>KINDERGARTEN</b>	<b>38</b>
<b>LOGIC AND CRITICAL THINKING</b>	<b>41</b>
<b>MATHEMATICS/FINANCE</b>	<b>42</b>
<b>PHYSICAL EDUCATION</b>	<b>55</b>
<b>PSYCHOLOGY</b>	<b>56</b>
<b>SCIENCES</b>	<b>57</b>
<b>SCIENCE, TECHNOLOGY, ENGINEERING AND MATH</b>	<b>66</b>
<b>SOCIAL STUDIES/GOVERNMENT/HISTORY/GEOGRAPHY</b>	<b>70</b>
<b>STUDY HALL</b>	<b>76</b>

# Visual Arts

## **Art Passport-Elementary (Two sections 5<sup>th</sup> and 6<sup>th</sup> hours)**

Students will explore how various world cultures and artists use art as visual storytelling today and throughout art history. Utilizing different materials and media, students will produce art projects that replicate the artistic style of various cultures and artists; this is a diverse exploration of art. Basic art skills are a focus of this class from cutting, pasting, drawing, coloring, painting, and some 3D elements. This year's focus is a global passport.

**Minimum class size: 8     Maximum class size: 20**

**Prerequisite:** none

**Instructor:** Cyndi Bird

**Supply Fee:** \$75.00 per year (Payable to the Instructor)

## **Elements of Art-Elementary**

There are 7 basic elements of art: line, shape, form, space, texture, value, and color. When these elements are combined with the principles of design, students will gain a better understanding of how art is created. Elementary will explore these elements through a variety of creative exercises and projects. Students will also be introduced to various artists, discovering their contributions and styles to the vast art world. Students learn that art is not just drawing and sketching but many two-dimensional and three-dimensional styles of art.

**Minimum class size: 8      Maximum class size: 20**

**Prerequisite:** none

**Instructor:** Cyndi Bird

**Supply Fee:** \$75.00 per year (Check payable to Instructor)

## **Drawing and Painting (MS/HS) (Two sections 2<sup>nd</sup> and 4<sup>th</sup> hours)**

Paul Klee said, “A line is a dot out for a walk.” Line is a basic element of drawing. In this drawing course, students will learn techniques and exercises to develop their drawing skills using various drawing media such as graphite and charcoal. Students will learn realism techniques creating value, form, perspective, proportions, and improving composition. Painting will expand drawing techniques with the application and exploration of acrylic, watercolor, and pastels. Students will learn the essentials of color mixing, manipulating, and experimenting with different mediums, plus the introduction of the techniques, surfaces, and tools required to apply them. Students will become familiar with some of the influential Master Artists, Art Movements, and the elements and principles of design.

**Minimum class size: 8    Maximum class size: 20**

**Instructor:** Cyndi Bird

**Supply Fee:** \$75.00 per year (Payable to the Instructor)

## **Elements of Art MS/HS**

There are 7 basic elements of art: line, shape, form, space, texture, value, and color. When these elements are combined with the principles of design, students will gain a better understanding of how art is created. Middle school and high school students will explore these elements through a variety of creative exercises and projects from drawing, painting, collage, textiles, and some sculpture. Students will also be introduced to various artists, discovering their contributions and styles to the vast art world. Students will learn that art is created with intention using the elements of art and principles of design through 2D and 3D projects.

**Minimum class size: 8    Maximum class size: 20**

**Prerequisite:** none

**Instructor:** Cyndi Bird

**Supply Fee:** \$75.00 per year (Payable to the Instructor)

# Choir

## **Elementary Choir (1<sup>st</sup>-6<sup>th</sup> Grade)**

Students who have varying levels of experience in chorus develop beginning vocal technique and skills, notational literacy and fluency, expressive and stylistic interpretation, and part-singing. Critical and creative thinking skills, basic choreography, and an appreciation of music from around the world and throughout history is also included within rehearsals. At least two performances are available. **Performances are mandatory** (Christmas and Spring concerts).

**Elementary students POTENTIALLY may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.**

**Minimum class size: 8**

**Pre-requisite:** none

**Instructor:** Kourtney Black

**Music, Concert Attire, Accompanist and Performance Venue Fee, sight reading, and rhythm book included: \$80.00** (Payable to the Instructor)

**Sight reading replacement fee is \$8.00**

\*If child is in 6th grade, please contact director to ensure proper placement.

Concert attire will be given to each student. Families are responsible for any alterations needed. Must be dry cleaned and returned at the end of the year. Families are responsible to reimburse for lost attire or any damages.

## **Middle School Choir (5<sup>th</sup>-8<sup>th</sup> Grade)**

This course is available for MS students and there is no audition required. It provides a variety of singing opportunities, designed to allow students to continue developing their voice through healthy vocal technique. During rehearsals, students will learn to sing and read music through techniques such as ear training, solfeggio, and music notation. Students will sing through a variety of musical genres that may include learning basic Spanish, Italian, Latin, Hebrew, German, and/or French. Choreographed movement may also be included within the lessons. At least two performances are available. Students who have varying levels of experience in chorus develop beginning vocal technique and skills, notational literacy and fluency, expressive and stylistic interpretation, and part singing. Critical and creative thinking skills, basic choreography, and an appreciation of music from around the world and throughout history are also included within rehearsals.

**Performances are mandatory**, (Christmas, Spring concerts and Midwest Academic Fine Arts Festival).

**Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.**

**Minimum class size: 8**

**Pre-requisite:** none

**Instructor:** Kourtney Black

**Music, Concert Attire, Accompanist, Performance Venue Fee, sight reading, and rhythm book included: \$80.00** (Payable to the Instructor)

**Sight reading replacement fee is \$8.00**

**\*If child is in 5th grade, please contact director to ensure proper placement.**

Concert attire will be given to each student. Families are responsible for any alterations needed. Must be dry cleaned and returned at the end of the year. Families are responsible to reimburse for lost attire or any damages.

## **High School Choir (9<sup>th</sup>-12<sup>th</sup> Grade)**

Two days per week. This course is available for HS students and there is no audition required. It provides a variety of singing opportunities, designed to allow students to continue developing their voice through healthy vocal technique. During rehearsals, students will learn to sing and read music through techniques such as ear-training, solfeggio, and music notation. Students will sing through a variety of musical genres that may include learning basic Spanish, Italian, Latin, Hebrew, German, and/or French. Choreographed movement may also be included within the lessons. At least two performances are available.

**Performances are mandatory,** (Christmas, Spring concerts and Midwest Academic Fine Arts Festival),

**We also participate in competitions. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.**

**Minimum class size: 6**

**Pre-requisite:** none

**Instructor:** Kourtney Black

**Music, Concert Attire, Accompanist, Performance Venue Fee, sight reading, and rhythm book included: \$80.00 (Payable to the Instructor)**

**Sight reading replacement fee is \$8.00**

Concert attire will be given to each student. Families are responsible for any alterations needed. Must be dry cleaned and returned at the end of the year. Families are responsible to reimburse for lost attire or any damages.

\*It is undecided if the Brighton Academy high school choir will attend an out of town competition in the spring 2025. In the event we do, and your student would like to attend, there will be some financial obligation for each student.



## **Choir: special topics (7<sup>th</sup>-12<sup>th</sup> Grade-by audition)**

**\* This class is an extension with a more in-depth approach to regular choir. For students to participate in this class, they must still be enrolled in their regular middle or high school choir class. \***

**This class provides an opportunity for experienced and enthusiastic choral students in grades 7- 12, (all students must audition),** to perform a vast array of musical genres. Students will dive deeper into cultural history, meaning and significance, as well as learn new vocal techniques outside the traditional classical vocal approach. Varying by semester, we will explore topics such as, but not limited to folk music of other cultures and languages, and Renaissance period pieces (i.e., Madrigals) in the Fall, and vocal jazz, pop, musical theatre, and *a capella* music in the Spring. When possible, students will experience special guest lecturers and artists to provide their expertise in the topic at hand. Accurate cultural and historic instruments, costumes, and/or props may be used to enrich students' overall experience. As a faster paced and more advanced group, students who choose to participate must still be involved with their normal Brighton middle or high school choir class.

Materials: Binder with 5 dividers, kazoo, pencil, highlighter

**Minimum class size: 12**

**Supply fee: \$50.00**

**Instructor: Kourtney Black**

## **Private Lessons**

**Questions and to sign up for voice lessons**

**please contact Kourtney Black:**

**[kourtney.black13@gmail.com](mailto:kourtney.black13@gmail.com)**

**Call/text:631-792-3541**

**Questions and to sign up for piano, theory, worship and composition**

**please contact Jimmy Black:**

**[jblack6389@gmail.com](mailto:jblack6389@gmail.com)**

**Call/text:816-703-7099**

## **Worldviews (10th-12th Grade)**

Our society is currently in a gigantic battle of IDEAS. Is your student ready to meet the present culture of ideas with Biblical truth and defend their beliefs? When a new idea presents itself to your high schooler, what lens have they been trained to examine it through? This class offers a teenage crash course in apologetics and world perspectives.

This course is geared toward mature students near the end of high school. Topics such as ethics, abortion, slavery, marriage, social justice, economics, etc. will all be examined through the light of Scriptures. It requires the ability to read text, discuss openly in class, write papers, and interpret information. We use both a textbook and online videos to study and discuss. Study guides for each chapter are provided by the teacher to help break down and understand the material covered. Tests, homework, papers, discussion, and note-taking are all part of the grade.

*Understanding the Times* offers a fascinating, comprehensive look at how the tenets of the Christian worldview compares with five major competing worldviews of our day: Islam, Secularism, Marxism, New Spirituality, and Postmodernism. *Understanding the Times* is a systematic way to understand the ideas that rule our world. We will compare each competing worldview to the Scriptures and discuss how to respond.

For Christian Worldviews, each student will need to purchase:

Understanding the Times Student

Textbook: <https://store.summit.org/Understanding-the-Times>

**ISBN 13: 9781434709585**

**Minimum class size: 8    Maximum class size: 16**

**Instructor:** Dora Peterson

**Supply Fee:** \$15.00 (Payable to the instructor)

:

## Classical Writing – Description of Method

What is special about Progymnasmata (Progym for short) **Tried and true**— developed in the 4<sup>th</sup> century B.C. and used for centuries in Western Civilization— Shakespeare, Milton, Luther trained under this amazing program

- ☐ Teaches **step by step**: all students can learn to write
- ☐ Teaches **ideas**, rather than introducing style too early
- ☐ Teaches students **to write descriptively and clearly**
- ☐ **Prepares students** for higher level writing in high school and college
- ☐ Helps students succeed when taking ACT and SAT essay exams
- ☐ Students enjoy these exercises. No more tears for composition!

Jim Selby, author of Classical Composition materials, notes:

“Whitefield Academy, where I teach, has a **100% qualification rate** on the optional essay portion of the college entrance exams (ACT and SAT) versus the national average of 23%, or has gained college credits with successful completion of the English AP exams. Qualification (min score of 8 on a scale of 1-12) requires that a cohesive and coherent essay be written within a 30-minute period.”

## Introductions to the Progym (Stages #1-3, 6<sup>th</sup>-12<sup>th</sup> grade)

This course is for student’s 6<sup>th</sup> through 12<sup>th</sup> grade who have not had instruction in the classical writing method called the Progymnasmata. The Progym is a set of exercises (fourteen stages in all) developed in ancient education to move students in a smooth and logical progression from the basics of telling a story all the way to a thesis exercise. The purpose of the exercises is to prepare students to become clear and effective communicators as they are being equipped to tackle higher level writing tasks in the upper grades of high school and in college.

In this course, students will begin the first semester at the initial stage of the Progym with Fable and then will progress to Narrative. In these two stages, students learn how to tell a story effectively while engaging the imaginations of their audience by using various Figures of Description. Students will focus on identifying the key components necessary to any good story (recognition, suffering and reversal), and they will begin to learn how to retell several fables in their own words by focusing on word and phrase variations and changing the point of view. Students will learn to compose useful outlines of fables and narratives and retell those stories by starting at the beginning, middle or the end.

(Beginning a story in the middle or end sharpens the mind and, with practice, will enhance one's overall ability to communicate effectively.) By the end of the first semester the students will be ready to move into writing original essays using the Chreia/Maxim format.

During second semester the class will progress to the Chreia/Maxim stage which teaches how to develop an idea that is focused on a wise saying or "chreia." These ideas are developed through eight paragraphs, four of which are narratives, thus using the skills mastered in the Fable and Narrative stages. Students will focus on making compelling arguments, engaging the imaginations and emotions of the reader through Figures of Description and Figures of Speech, and writing a seamless eight paragraph essay, including introductory and concluding paragraphs.

Throughout the school year, students will engage in various word and phrase variation exercises, learn from one another in peer editing sessions, present their essays to the whole class and learn through various activities and special assignments.

In general, rough drafts of papers will be due on Mondays and final drafts on Wednesdays about every other week. Other homework will mostly be assigned in the workbook and will be graded on completion. Additionally, there is a test at the end of each semester.

**Minimum class size: 8    Maximum class size: 15**

**Supply Fee:** \$20.00 (Payable to the Instructor) Instructor: Bonnie Oesch

**Required Textbooks (A total of three books):**

Classical Composition Book I, Student Book Fable Stage: Discovering the Skills of Writing ISBN: 1615381511 or ISBN-13: 9781615381517

*Classical Composition Book II, Student Book, Narrative Stage: Discovering the Skills of Writing* ISBN: 1615381783 or ISBN-13: 9781615381784

*Classical Composition Book III, Student Book, Chreia/Maxim Stage (2nd Edition)* ISBN-13: 9781547700516

# Communication Arts

## Spell to Write and Read/Cursive First

### Introduction

***To assure correct class placement, each student will need to be assessed.***

Is Spelling a dreaded subject for your student? Is your child struggling with reading because of so many ways to pronounce letter combinations? Do you want your student to have the absolute best instruction in Spelling and **foundation for reading**?

Spell to Write and Read, (SWR) overcomes the challenges of learning to spell by instructing students through a time honored, phonics-based approach to spelling. Strong phonemic awareness is the absolute best indicator of future reading success. Children, who can spell well, read well.

SWR teaches your child to learn to spell the "write" way into reading.

SWR teaches students to spell the 45 sounds found in the English language by using 70 basic phonograms. Students are also taught 29 basic spelling rules. With these tools, students are faced with only a very few spelling exceptions. This takes the guesswork out of spelling!

SWR is an integrated and multi-sensory approach that teaches students to spell as **a foundation for learning to write and read.**

SWR is based on the research of the renowned neurologist, Samuel T. Orton, and the subsequent work of Romalda Spalding.

SWR is suitable and successful for all learners. It helps the gifted and struggler alike, to master their mother tongue.

SWR is taught in conjunction with the **Cursive First curriculum**, a program that teaches children to step by step master the art of clear cursive penmanship.

## **Spell to Write and Read Level A**

The students in SWR LEVEL A will cover beginning level spelling lists within the SWR Wise Guide. They will learn and begin to master the 70 basic phonograms. In addition, students will learn the first 7 SWR spelling rules. Students will build the Primary Learning Log by recording all covered spelling lists, and they will also build pages that explain and give examples of the spelling rules. Some examples of these pages are the consonant/vowel page and the silent final e page. An introduction to cursive writing will also be taught in this class with a focus on the lowercase letters. This class will incorporate read-alouds each week as well as spelling games to foster a love of reading as well as demonstrate the relationship between learning to sound out, spell, and read words.

**Minimum class size: 6    Maximum class size: 12**

**Supply Fee:** \$25.00 plus determined cursive first workbook price.  
(Payable to the Instructor)

**Instructor:** Kim Rosa

**Required Supplies: (Please order early! Supplies tend to be backordered the closer to school starting)**

SWR Primary Learning Log (students in the program start with an unused Learning Log each year, regardless of their level):

<https://www.wisepellingswr.com/shop/p/swr-primary-learning-log>

Phonogram Cards (can be shared amongst siblings/used):

<https://www.wisepellingswr.com/shop/p/70-basic-phonogram-cards-set>

Cursive First Textbook 1 (teacher will provide and parents will reimburse the cost)

## **Spell to Write and Read Level B**

The students in SWR LEVEL B will cover middle level spelling lists within the SWR Wise Guide. They will learn or review the 70 basic phonograms and several of the advanced phonograms. In addition, students will also learn the 29 spelling rules. Students will build the advanced Learning Log by recording all covered spelling lists and they will also build pages that explain and give examples of the 29 spelling rules. Some examples of new pages they will build are: the 1-1- 1 rule, the 2-1-1 rule, Dismiss L, Contractions, Homophones, Parts of Speech, and Abbreviations. Cursive writing will also be taught in this class. New students will learn and master cursive writing while returning cursive students will work through a review book as they build their cursive writing stamina.

Prerequisite: SWR Level A with Teacher Recommendation and/or appropriate readiness for the spelling levels covered in this class, determined by an entry test.

**Minimum class size: 6    Maximum class size: 12**

**Supply Fee:** \$25.00 (Payable to the Instructor)

**Instructor:** Sarah LaBarge

**Required Supplies:** *(Please order early! Supplies tend to be backordered the closer to school starting)*

SWR Advanced Learning Log (students in the program start with an unused Learning Log, regardless of their level):

<https://www.wisepellingswr.com/shop/p/swr-black-learning-log-spelling>

Phonogram Cards (can be shared amongst siblings/used):

<https://www.wisepellingswr.com/shop/p/70-basic-phonogram-cards-set>

Cursive First Textbook 1 or 2 (teacher will provide the appropriate level and parents will reimburse the cost)



## **Spell to Write and Read Level C**

Depending on the make-up of the class, the students in SWR LEVEL C will cover spelling lists that occur in the final third section of the SWR program. As students advance in proficiency through the final lists, their spelling ability has the potential to reach a 12th grade level. Students in the Level C class will begin the year reviewing the 70 basic phonograms along with many of the 22 advanced phonograms. They will also review the 29 spelling rules. As in the Level B class level, these students will record their more advanced spelling lists in their Learning Logs. They will also build pages in their Learning Logs, providing them with a valuable resource that gives explanation and examples of all 29 rules. The students will also review and increase their cursive writing proficiency and stamina. Prerequisite: Teacher Permission with previous SWR experience and/or appropriate readiness for the spelling levels covered in this class, determined by an entry test. Minimum class size: 6 Maximum class size: 12

**Required Supplies:** *(Please order early! Supplies tend to be backordered the closer to school starting)*

(New/Unused) SWR Advanced Learning Log (students in the program start with an unused Learning Log every year, regardless of their level):

<https://www.wisepellingswr.com/shop/p/swr-black-learning-log-spelling>

Phonogram Cards (can be shared amongst siblings/used):

<https://www.wisepellingswr.com/shop/p/70-basic-phonogram-cards-set>

If necessary, Cursive First Textbook 1 or 2 (teacher will provide if applicable and parents will reimburse the cost)

**Minimum class size: 6      Maximum class size: 12**

**Supply Fee: \$25.00 (Payable to the Instructor)**

**Instructor:** Sarah LaBarge

## **Language Arts 1<sup>st</sup> Grade**

This class will include instruction about spelling, handwriting, poetry, reading comprehension, grammar, and literature. There will be direct instruction about spelling rules and multi sensory experiences to practice spelling new words every week. A multi-sensory handwriting curriculum will be used to help students continue to practice letter, word, and sentence formation. Furthermore, this curriculum introduces various language concepts. Students will also memorize poetry and practice reciting throughout the year. Weekly reading comprehension and grammar packets will be included to reinforce concepts to be mastered for this level. For literature, specific books and themes will be chosen by the teacher to be read weekly in class. This will encourage class discussions and application in life. There will also be hands-on projects for these selections to reinforce reading comprehension. Reading at home, through various methods, will be through reading logs.

**Minimum Class Size: 5    Maximum Class Size: 12**

**Supply Fee:** \$30.00 (Payable to the instructor)

**Instructor:** Angela Earley

### **Required Textbooks:**

Handwriting without Tears “My Printing Book”

ISBN 978195297077

All About Spelling Level 1-Please buy Student Packet for Level 1.

<https://www.allaboutlearningpress.com/all-about-spelling-level-1-student-packet/>

The teacher’s guide is not required for you to own unless you would like to have it for reference.

## **Language Arts 2nd Grade**

This class will include instruction about spelling, handwriting and literature. There will be direct instruction about spelling rules and multi-sensory experiences to practice spelling new words every week. For literature, specific books and themes will be chosen by the teacher to have the students read about. In class, vocabulary, writing, and comprehension will be taught around these book units. There will also be hands-on projects. Students will memorize poetry and practice reciting throughout the year. A multi-sensory handwriting curriculum will be used to help students continue to practice letter, word, and sentence formation.

**Minimum Class Size: 5    Maximum Class Size: 16**

**Instructor:** Joanna Regier

**Supply Fee:** \$30.00 (Payable to the instructor)

### **Required Textbooks:**

All About Spelling Level 2-Please buy Student Packet (which includes the workbook) for Level 2. The teacher's guide is not required for you to own unless you would like to have it for reference.

-<https://www.allaboutlearningpress.com/all-about-spelling-level-2-student-packet/>

Handwriting without tears "Printing Power"  
ISBN 9781952970788

A list of the literature books will be emailed during the summer.

## **Language Arts 3rd Grade-5<sup>th</sup> and 6<sup>th</sup> hour**

This class will include instructions about grammar, writing, and literature. In Grammar, students will learn the different parts of speech, sentences and punctuation, as well as vocabulary. They will do this through editing, copying, and games. Then they will have the opportunity to put these grammar skills into practice through creative and information writing assignments. Students will also memorize poems and practice reciting throughout the year. For reading, students will be assigned to read several novels at home and then participate in discussions.

and activities centered around the novel. Students will also be taught cursive handwriting through a multi-sensory curriculum.

**Minimum Class size: 5    Maximum Class Size: 15**

**Instructor:** Kendra Werner

**Supply Fee:** \$30.00 (Payable to the instructor)

### **Required Textbooks:**

Fix It Grammar “The Nose Tree” Student book by IEW.

ISBN-13: 9781623413576

Handwriting Without Tears “Cursive Handwriting 2022 Student Edition”,

ISBN-9781952970801

A list of the required novels for reading will be emailed during the summer.

## **Language Arts 4<sup>th</sup> Grade**

This class is for students who completed Language Arts 3 last year or are in 4th grade. Students will continue their study of grammar through Fix It Grammar's Level 2 book. Then they will have the opportunity to put these grammar skills into practice through creative and information writing assignments. They will also continue to practice cursive writing. Students will learn poetry and practice reciting throughout the year. For literature, students will be assigned to read several novels at home and then participate in discussion and activities centered around the novel.

**Minimum Class size: 5    Maximum Class Size: 16**

**Instructor:** Joanna Regier

**Supply Fee:** \$30.00 (Payable to the instructor)

### **Required Textbooks:**

Fix It Grammar "Town Mouse and Country Mouse." Student Book Student Book Level 2. ISBN:9781623413590

Handwriting Without Tears "Cursive Success" ISBN 9781952970818

A novel list will be emailed in the summer.

## **Language Arts (5th & 6th Grade) 4<sup>th</sup> hour**

This comprehensive course incorporates grammar, composition, vocabulary, and literature. Highlights of this class include components of the 6th grade Shurley Grammar curriculum, a unique "Fix-It" sentence approach to refine editing skills and grow vocabulary skills, the creation of an interactive grammar notebook, various writing assignments, and the reading of four high-interest novels. The goal of this class is to engage students in a vibrant and FUN approach to language arts instruction. The instructor will aim to provide multiple opportunities for visual, auditory, and kinetic learning as students master parts of speech and sentence components, with the goal of better understanding written language and becoming better readers and writers themselves. This class will include the reading and discussion of four novels, and we will use our readings to further develop our understanding of grammar, sentence structure, and our personal development as writers. The instructor will choose novels based on students' abilities, interests, and make-up of the class. Growth as independent readers and writers while developing a love for literature will be a focus of this class.

Novels: Restart by Gordan Korman will be the first novel we will read, and parents will be asked to supply a copy of this book. The remaining novels will be chosen based on the students' abilities, interests, and previous reading exposure. The instructor will supply the remaining novels, purchasing them with the class's materials fees.

**Minimum class size:** 8     **Maximum class size:** 14

**Instructor:** Sarah LaBarge

**Supply Fee:** \$40.00 (to cover classroom materials, copies, and novels) (Payable to the Instructor)

**Required Textbook:** Shurley English Practice Booklet Level 6, ISBN: 1585610577,

**Required Literature:** Restart by Gordan Korman

**Other:** Students will be asked to supply a 3-subject spiral notebook, which will become their Interactive Grammar Notebook

## **Language Arts (5<sup>th</sup> & 6<sup>th</sup> Grade) 6<sup>th</sup> hour**

This class will include instructions about grammar, writing, and literature. In Grammar, students will learn the different parts of speech, sentences, punctuation, and vocabulary. They will do this through editing, copying, and games. They will be able to put these grammar skills into use through writing, where they will practice narrative, information, and opinion. There will be a poetry writing unit. The students will create a book of poetry. Students will also memorize poems and practice reciting throughout the year. Additionally, students will be assigned to read\* several novels at home and then participate in discussions and activities centered around the novel. Handwriting and Spelling will NOT be formally taught, but students will practice both across all the areas of study.

**Minimum Class size:** 5

**Maximum Class Size:** 12

**Instructor:** Bryon Autrey

**Supply Fee:** \$30.00 (Payable to the Instructor)

**Textbook:** Fix It! Grammar: Robin Hood, Student Book Level 3 (New Edition)  
Institute for Excellence in Writing ISBN-13: 9781623413613

**Writing:** A dedicated college ruled spiral notebook used for this class only.

### **Required Literature:**

*Report Card* by Andrew Clements  
ISBN: 9780689845246

*Indian in the Cupboard* by Lynne Reid Banks  
ISBN: 978-0375847530

*City Spies* by James Ponti  
ISBN: 9781534414921

(Others voted on by students)

## **MS Literature/Composition (7<sup>th</sup>-9<sup>th</sup> Grade) 1<sup>st</sup> hour**

This class will focus on how to better read, comprehend, analyze, and write about literature. Students will also learn writing skills to write four different kinds of 5 paragraph essays over the course of the year. We will also learn vocabulary words from the SAT vocabulary list. The skills learned in this class can make all the difference in a student's ability to comprehend literature and communicate ideas more effectively! Books needed for the class are as follows. You may purchase them or check them out from the library if you can find a way to keep them for several weeks.

**Minimum class size: 8      Maximum class size: 16**

**Instructor:** Bonnie Oesch

**Supply Fee:** \$20.00 (payable to the instructor)

The Wednesday Wars – Gary D. Schmidt

The Twelfth Night – William Shakespeare (I strongly recommend the SparkNotes – No Fear Shakespeare version of this because it has the original writing next to a modernized version of it to help students understand the old English.)

The Unteachables – Gordon Korman

On the Edge of the Dark Sea of Darkness – Andrew Peterson

The Fellowship of the Ring – J.R.R. Tolkien

Because of Winn Dixie – Kate DiCamillo

Counting by 7s – Holly Goldberg Sloan

Beyond the Bright Sea – Lauren Wolk

There is no textbook for the class, but students must have access to all novels listed above.



## **MS Literature/Composition (7<sup>th</sup>-9<sup>th</sup> Grade) 2<sup>nd</sup> hour & 3<sup>rd</sup> hour**

This class will focus on how to better read, comprehend, analyze, and write about literature. Students will also learn writing skills to write four different kinds of 5 paragraph essays over the course of the year. We will also learn vocabulary words from the SAT vocabulary list. The skills learned in this class can make all the difference in a student's ability to comprehend literature and communicate ideas more effectively! Books needed for the class are as follows. You may purchase them or check them out from the library if you can find a way to keep them for several weeks.

**Minimum class size: 8    Maximum class size: 16**

**Instructor:** Bryon Autrey

**Supply Fee:** \$25.00 (Payable to the Instructor)

*Bridge to Terabithia* by Katherine Paterson

*My Side of the Mountain* by Jean George

*Mossflower* by Brian Jacques

*The City of Ember* by Jeanne DuPrau

*The Fighting Ground* by Avi

*When the World was Ours* by Liz Kessler

*Redwall* by Brian Jacques

*The Lightning Thief* by Rick Riordan

There is no textbook for the class, but students must have access to all novels listed above.

## **Shurley Grammar Usage and Mechanics (7<sup>th</sup>-12<sup>th</sup> Grade)**

Shurley English Level 7 is designed to give your student a solid foundation in grammar. Learning begins with the eight parts of speech, subjects, predicates, complements, and tense agreement. Once mastered, the course focuses on the more advanced topics of correlated conjunctions, advanced punctuation, participles, infinitives, gerunds, appositives, verbals, dependent/independent clauses, and misplaced/dangling modifiers. Students also refresh and build on general writing skills. These skills include writing a thesis statement for a one, three, or five paragraph essays. Additionally, this course covers persuasive, narrative, poetic, and research writing.

**Minimum class size: 8     Maximum class size: 16**

**Instructor:** Bonnie Oesch

**Supply Fee:** \$20.00 (Payable to the Instructor)

**Textbooks:** Shurley 7 student book: ISBN: 9781881940203

Shurley 7 practice book: ISBN: 9781585610976

## **HS Literature and Composition I: (9th-10th Grade)**

This class for 9th and 10th graders will introduce them to great works of literature and expand their vocabulary. We will use a variety of literary formats including novels, poetry, short stories, and plays. Students will use the reading and class discussions to complete writing assignments, including analysis and composition. We will also have regular reading and vocabulary tests and quizzes.

**Minimum class size: 10   Maximum class size: 16**

**Instructor:** Dora Peterson

**Supply Fee:** \$30.00 (Payable to the instructor)

**For vocabulary:** each student must purchase Worldly Wise 3000: Book 9, 4th Edition. **\*\*Do not purchase other editions, only 4th edition.\*\***

<https://www.christianbook.com/wordly-wise-3000-book-student-edition/9780838877098/pd/877106?event=ESRCG>

### **Novels, Play, and Poetry to be purchased by each student:**

1. The Strange Case of Dr. Jekyll and Mr. Hyde, by Robert Louis Stevenson
2. Out of the Silent Planet, by C.S. Lewis
3. Murder on the Orient Express, by Agatha Christie
4. The Singer, by Calvin Miller
5. Unbroken, by Lauren Hillenbrand
6. Macbeth, by William Shakespeare

**Students must have a hard copy of each of these books to participate in class.**

We may not study them in the above order, so be sure to have them on hand from the beginning of the year. Please purchase them FAR in advance (Amazon is a great place to find them used, or thriftbooks.com). Do not use audiobooks, the books must be physically read. The teacher will send info if a particular version is required (as in the Shakespeare side-by-side translation).

## **HS Literature and Composition: (11<sup>th</sup>-12<sup>th</sup> Grade)**

### **10<sup>th</sup> grade with instructor approval**

#### **Dual credit option available through JCCC (10<sup>th</sup>-12<sup>th</sup> Grade)**

This class will focus on how to better read, comprehend, analyze, and write about literature. Students will use the reading and discussion to fuel composition ideas as they sharpen their skills while composing a 5-paragraph essay. Vocabulary and spelling will be included, using words found on SAT vocabulary lists. The skills learned in this class can make all the difference in a student's ability to comprehend literature and communicate ideas more effectively! There will also be one research paper due in the fall using MLA formatting.

Here are the book selections for the year. **Students must have access to these books to participate in class.** Penguin Classics are wonderful editions to buy because they usually have interesting introductions/forewords at the beginning of the book. Please purchase them FAR in advance (Amazon is a great place to find them used). I choose books that make a good addition to any family library.

**Minimum class size: 4    Maximum class size: 16**

**Instructor:** Carrie Shore

**Supply Fee:** \$20.00 (Payable to the instructor)

Much Ado About Nothing-William Shakespeare  
The Importance of Being Earnest-Oscar Wilde  
Sense and Sensibility-Jane Austen  
Dear Mr. Knightley-Katherine Reay  
Love Does-Bob Goff  
Up From Slavery-Booker T. Washington  
The Help-Kathryn Stockett  
This Present Darkness-Frank Peretti  
Don Quixote : Illustrated Abridged Children Classic English Novel with Review Questions (Illustrated Classics) Hardcover

There is no textbook for the class, but students must have access to all novels listed above.

## **College Prep/Research Writing (10<sup>th</sup>-12<sup>th</sup> Grade)**

In this course students will start with learning some basic test-taking strategies for mastering the ACT. Then the majority of the class will go through the book Rhetoric Alive! Senior Thesis, which will teach students how to carefully choose a topic, organize ideas, do proper research both online and through the local library, how to add life to your writing through the use of figures of speech and analogous language, and, finally, how to present a paper to an audience. Students will be required to attend a field trip to our local library once this year outside of normal class time. Students will also be given some brief learning about applying to college, choosing courses, filling out their FAFSA, applying for scholarships, and other college preparatory activities. Students will be required to complete one paper towards the end of semester one: a personal narrative that can be used as a college entrance essay, and one five-page paper towards the end of semester two: a research paper with proper MLA citations and a works cited page.

**Minimum class size: 8      Maximum class size: 16**

**Instructor:** Bonnie Oesch

**Supply Fee:** \$30.00 (Payable to the instructor)

**Textbook Needed:**

Rhetoric Alive! Senior Thesis Student Workbook by Alyssan Barnes Ph. D.  
ISBN-13: 9781600513572

**Access to a computer, laptop, Chromebook, etc. with a word processing program (such as Microsoft Word or Google Docs) for writing papers, as well as a printer. (NOTE: If your family does not have these at home, your local library can help.)**

## **The Art of Communication (10<sup>th</sup>-12<sup>th</sup> Grade)**

### **(Dual Credit Option Pending Approval)**

This class will provide a practical overview of human communication in its various forms. We will focus on face-to-face communication, but we will also explore the area of writing, as well as the role of technology and its influence on our daily interactions. The main goals of the class are to help students develop a greater understanding of how important communication skills are in their personal and professional lives and to encourage them to use these skills in ways that will enlarge and enrich their own lives as well as others they encounter. In-person class participation of both individual and group exercises, as well as considerate listening of others, are key to this class; but one of the instructor's main intentions is to de-stress this often-anxious area of study.

**Minimum class size: 8    Maximum class size: 16**

**Instructor:** Trish Whitney

**Supply fee:** \$20.00 (Payable to the Instructor)

**Required Textbook:** The Art of Communication (fourth edition) by Randy Fujishin  
ISBN-10: 1538164477  
ISBN-13: 978-1538164471

**Also required for Dual Credit:** Your Ministry of Conversation by Randy Fujishin ISBN-13 **978-1604779110** and access to the movie The King's Speech (A PG 13 version is available).

## **Computer Applications: (7th-12<sup>th</sup> grade)**

The purpose of this course is to give students the knowledge and skills needed to use computers effectively throughout their educational journey and in the workplace. Students will learn fundamental concepts of computer hardware and software and develop keyboarding skills through daily practice. Emphasis will be placed on developing computer familiarity and knowledge of business applications using Google and Microsoft Office 2016 (or more recent). Students will use their laptop in class and for homework assignments. They will also perform activities using integrated software programs for word processing, graphics, spreadsheets, and presentations. Students will learn internet safety and the importance of positive digital citizenship.

**Minimum class size: 8 Maximum class size: 12**

**Instructor:** Nadia Kaufmann

**Materials fee:** \$25.00 (Payable to the Instructor)

**Required Supplies:** Laptop computer requirements: 64-bit, minimum 1.6 gigahertz (GHz) or faster Processor; minimum 8 GB RAM Memory; minimum 4.0 GB of Hard Disk available. Chromebooks and Notebooks are *not suitable* for this course as they do not meet the minimum requirements. Microsoft Office 2016 (or more recent) with Word, Excel, and PowerPoint must be installed on the laptop, and a wireless mouse.

## **Elementary Musical Theater**

This introduction to theater class will acquaint students with the fundamentals of acting, basics of theater history and theater vocabulary, and the process of constructive critique while seeking to develop a deeper appreciation for the mental, physical, and emotional demands of theater. Students will learn how performers approach warm-ups, explore how actors access the thoughts, feelings, and actions of a character, learn the basics of play production, and explore what goes into a successful audition. Our time together will include team work and collaboration, improvisation games, character analysis, monologue and/or duet performances, and small group performances as we work towards building confidence and trust amongst our fellow actors, strong personal stage presence, believability, and a deeper appreciation for and understanding of the theater.

**Minimum class size: 8     Maximum class size: 20**

**Instructor:** Kaylee Studna

**Supply Fee:** \$45.00 for supplies/copies (Payable to the Instructor)



## **Drama 7<sup>th</sup>-12<sup>th</sup> Grade.**

This introduction to theater class will acquaint students with the fundamentals of acting, basics of theater history and theater vocabulary, and the process of constructive critique while seeking to develop a deeper appreciation for the mental, physical, and emotional demands of theater. Students will learn how performers approach warm-ups, explore how actors access the thoughts, feelings, and actions of a character, learn the basics of play production, and explore what goes into a successful audition. Our time together will include team work and collaboration, improvisation games, character analysis, monologue and/or duet performances, and small group performances as we work towards building confidence and trust amongst our fellow actors, strong personal stage presence, believability, and a deeper appreciation for and understanding of the theater.

**Minimum class size: 8    Maximum class size: 20**

**Instructor:** Kaylee Studna

**Supply Fee:** \$45.00 for supplies/copies (Payable to the Instructor)

## **HS Life Skills/Health: 9th-12th Grade**

In Life Skills, students will gain practice and confidence in communication (including interview skills) and various areas of etiquette. They will explore career inventories and personality assessments. Students will acquire knowledge of time/money/household management, overall resourcefulness, and college readiness. This course will center around practical information to prepare students for living exceptionally and successfully on their own. We will also incorporate guest speakers and hands-on activities.

Health will be taught using *A Beka, Health in Christian Perspective, 2nd Edition* curriculum, which encourages teens to make health and wellness a priority, and will address nutrition, exercise, personal hygiene, mental health, safety, first aid, disease prevention, spiritual growth, and more! In class, students will read the Health text, answer chapter questions and participate in groups and class discussions.

**Maximum class size:** 14

**Instructor:** Carrie Shore

**Supply Fee:** \$40.00 (Payable to the instructor)

**Required Textbook:** Health in Christian Perspective 2nd Edition, A Beka Science/Health Series ASIN: B002YQGPHU

# Foreign Language

## Elementary Spanish

This course uses songs, play, crafts, and role-playing exercises to learn basic Spanish vocabulary and common phrases.

Students will be introduced to the following over the course of the year:

Basic Greetings

Days of the week, Seasons, Months of the year

Colors

Numbers

Food

Common Verbs

“Me gusta/no me gusta” (I like/I don’t like)

Family members and animals

“Cuantos Hay” (how many are there), “Cuantos años tienes” (how old are you)

Rooms in the home, the classroom, furniture, building and places.

“Yo puedo/Yo tengo/Yo quiero” (I can, I have, I want)

“Dónde está(n)” (where is/are), location words.

“Yo soy/Yo estoy” (I am)

Emotions, professions, descriptive words

Telling the time

“Me duele” (My \_\_\_ hurts), Body and face parts

5 senses

Insects

Question words

“Yo sé/Yo conozco” (I know)

“Yo toco/Yo juego” (I play), sports and instruments.

“Yo voy” (I go/I am going to)

“Me pongo/Me quito” (I put on/take off), clothing.

Morning and Evening routine phrases

**Textbook:** Skill for Success: Spanish Elementary by Cynthia Downs

**Instructor:** Bonnie Oesch

**Supply Fee:** \$60.00 (Payable to the Instructor)

## **Spanish 1 (9th-12th Grade)**

Students will be introduced to the language, Spanish-speaking cultures from around the world, the unique sounds of the Spanish alphabet, and everyday words and phrases, along with the beginnings of Spanish grammar. Students will have to show progress in reading, speaking, writing, and translation (beginner level).

Each Student must purchase the following:

### **Breaking the Barrier**

**Spanish Level 1/Beginner Book (Student worktext) + Online Access Code**

<https://tobreak.com/collections/spanish-books/products/spanish-level-1-student-edition-print-online-access-code>

This textbook/workbook combination is our main source material for class and the online resources are used as part of homework and home learning. Additional videos, worksheets, tests, Scripture, songs, etc. will be assigned as part of this class, but the teacher will provide those resources using the class fee. The language will be taught via visual, oral, and auditory means. Pronunciation, memorization, and decoding will all be part of the work.

\*\* With special permission from the teacher, 8th graders who hold high grades and strong work ethic may join this class but should be advised that the reading and homework are at high school level. \*\*

**Minimum class size: 10    Maximum class size: 15**

**Instructor:** Dora Peterson

**Supply Fee:** \$30.00 (Payable to the Instructor)

## **Spanish 2 (10th-12th Grade)**

Students at this level **must have passed Spanish 1 previously** and/or demonstrate to the instructor a basic working knowledge of Spanish 1 concepts. See course description for Spanish 1.

Spanish 2 continues the study of Spanish language through use of visual, written, and auditory learning modes. Students will continue gaining a deeper vocabulary, more verb tenses, begin to do more translations, and gain knowledge of idioms and jargon. We will also sing Christian praise songs and memorize passages of Scripture in Spanish!

Each Student must purchase the following:

### **Breaking the Barrier**

**Spanish Level 2/Beginner Book (Student worktext) + Online Access Code**  
<https://tobreak.com/collections/spanish-books/products/spanish-level-2-intermediate-student-edition-print-online-access-code>

This textbook/workbook combination is our main source material for class and the online resources are used as part of homework and home learning. Additional videos, worksheets, tests, Scripture, songs, etc. will be assigned as part of this class, but the teacher will provide those resources using the class fee. Pronunciation, memorization, and decoding will all be part of the work.

**Minimum class size: 10    Maximum class size: 15**

**Instructor:** Dora Peterson

**Supply Fee:** \$30.00 (Payable to the Instructor)

## **Spanish 3 (10<sup>th</sup>-12<sup>th</sup> Grade)**

After an initial evaluation of students' Spanish level, students will take their language abilities to the next level as the class co-creates stories using high-frequency vocabulary. In this highly interactive and conversational class, students will utilize the past and present tenses (and others as time allows) to discuss the class story and their own lives.

Students will read 2-3 novels written for Spanish language learners over the school year, some chosen by the students and some together as a class. Students will have 45+ minutes of homework per week- namely reading and written homework as well as activities from [Textivate.com](https://www.textivate.com).

**Minimum class size: 2**

**Instructor:** Elizabeth Kouma

**Supply Fee:** none

## **KINDERGARTEN**

### KINDERGARTEN

8:30am-2:25pm (1 st - 5 th hour block)

Kindergarten is a fun and special time that homeschool families get to share closely with their student. Brighton Academy wants to offer our kindergarten students and parents the opportunity for social and emotional development while learning and having fun with our hands-on and group classroom activities. This means parents who do not want to follow Brighton's kindergarten curriculum and homework may still join our kindergarten class and do not need to purchase our recommended textbooks. This gives parents the freedom to choose their favorite kindergarten curriculum to use at home while their student gets classroom experience and the opportunity to be involved in the fun group activities that are just more fun with a group of kindergarten students! There is not a skill level necessary to join our social and emotional classroom experience for any of our subjects.

For parents who want the full kindergarten experience, we recommend purchasing the Bob's Books readers, Bob's Books Pre-K workbook, and Horizon Kindergarten Math Books 1. The handwriting book is sent as a link from the instructor. These books will be used primarily at home for homework every Tuesday, Thursday, and Friday. Parents will be responsible for grading and homework accountability. Students will be graded on quizzes in class and classroom participation. Homework roughly consists of 6 workbook pages of Bob's Books, reading and spelling, 3 math lessons, and one lesson unit of handwriting each week along with some handwriting activities in their notebook and extra hands-on activities from the focused weekly lessons.

The way our classroom works is that we follow the content of these workbooks and do group and hands-on activities and games that relate to the weekly lessons, which is perfect for those following the curriculum but also makes it possible for the workbooks to be optional for those who want to do their own curriculum at home. Students will learn and catch on in class without the extra work at home. We make the most out of being together as a classroom group and learning while having fun.

Quick description of our classroom curriculum:

**Alphabet letters are taught in 1st semester.** Spelling words start as CVC words after our alphabet unit. Bob's Books makes learning to read fun and easy with their short stories that we focus on each week. Students will use letter tiles and whiteboards to practice writing and forming their spelling words and will play fun phonics and spelling games in class. Vowels are a major focus all year.

**Explode the Code book 1** – This is a great book for students who come in knowing the alphabet while we continue learning the letter sounds in class. During second semester we work on this book as a class beginning on lesson 6. It reinforces letter, vowel sounds, and reading.

**See Hear Do** – We use the See, Hear, Do books and flashcards to assist in learning our letter sounds through movement. Studies show when you use movement in learning it improves concentration and retention.

**Horizon K math book 1** lays a solid foundation for counting to 100, number recognition, writing and reading numbers, skip counting, money, time, simple addition and subtraction using a number line, place value, and understanding the calendar are a few of the major concepts we will learn. We count together in class while doing tons of fun math games and activities that follow along with the weekly homework from the textbook. There is no skill level needed to begin our math class.

In our **handwriting** class we work on learning where our letters should be placed and the appropriate strokes by using the fun concept of naming our lines the sky, clouds, grass, and the dirt. This mental concept helps younger students remember where their letter should touch. Skill level needed is for students to be actively learning how to hold a pencil correctly. This is paired with the letters we are learning that week in Bob's alphabet books.

**Our unit study afternoon class** focuses on a different study every week! We have a strong focus on the 7 continents, countries, and cultures. We study each continent spaced out through the year while filling in the other weeks with holiday themed activities, planets, weather, habitats, skeletal system and organs, germs, animal and plant life cycles, oceans, volcanoes, and much, much more! There are 36 different studies for the year! We read books, watch videos, make crafts, and conduct experiments in class. There is NO curriculum to buy or homework for this class. Skill level for this class is the ability to follow directions along with knowing how to use glue and scissors.



Before school begins there is a mandatory video orientation for parents to watch that will help you feel prepared for kindergarten and will answer all of your questions.

Students are graded on an S+, S, S- scale.

Our kindergarten class also offers 3 recess times, holiday parties, snack time, daily Calendar, poem, and Bible verse memorization for each month, and Bible time each morning.

Kindergarten students stay together for lunch in our classroom and they never have to switch classes. Come join us!

**Instructor:** Jenny Johnson

**Supply Fee:** \$100.00 (Payable to the Instructor)

**Required Materials:** Reference Kindergarten supply list. Students will need to bring a cold lunch from home.

**Kindergarten Book List: (for Full Kindergarten Experience)**

Bob Books Beginning Reading Workbook Pre-K

Bob Books: My First Alphabet

Bob Books: Beginning Readers – stage 1 learning to read

Bob Books: Rhyming Words - stage 1 starting to read

Handwriting materials will be sent via the instructor to be printed at home.

Horizon Math Kindergarten Book 1

ISBN: 978-0-7403-0309-8

Horizons Mathematics Grade k Student extra worksheet packet –

ISBN:9780740303128

ABC See, Hear, Do Learn To Read Uppercase Letters by Stefanie Hohl

ABC See, Hear, Do Uppercase Letters Flashcards

ABC See, Hear, Do Uppercase CVC words Flashcards

Explode the Code Book 1 2 nd edition- ISBN: 978-8388-7801-9

## **Logic and Critical Thinking 7<sup>th</sup>-9<sup>th</sup> Grade**

This course will help develop the student's logic and critical thinking skills as they learn to discern what arguments in the world around them are valid and which are not, through example scenarios, exercises, and thorough lessons that will help them grasp the concepts. Critical thinking skills create a solid base for making accurate judgements and evaluating arguments to avoid outside manipulation and negative influence to enable oneself with the ability to accurately and clearly express opinions and present reasons for holding specific viewpoints. Logic is a part of critical thinking. Both contribute to the ability to analyze arguments, solve puzzling issues (or try to), express valid conclusions that hopefully won't affect other's opinions in a negative way.

**Minimum class size: 6    Maximum class size: 16**

**Instructor:** Lizzie Robrahn

**Supply Fee:** \$20.00 (Payable to the instructor)

**Textbook:** NA

# Mathematics

**Placement: For students new to Math at Brighton Academy, a placement is needed to ensure that your student is placed properly for the year.**

---

## **Elementary Math 1<sup>st</sup> grade:**

The ACSI Purposeful Design Mathematics Program places an emphasis on skill development, mastery, cumulative review, and formative assessment. Lessons integrate conceptual understanding, problem solving skills, modeling, reasoning, and strands of algebra and geometry with a strong emphasis on skill development and concept mastery. Math 1 features units on addition and subtraction fact families to 10, adding and subtracting three-digit numbers and money, time to the quarter hour, shapes and rotations, place value, fractions, number theory, graphs and maps, measurement in customary and metric, and problem solving. The class will also include work with manipulatives, math games, and fun projects to emphasize concepts being learned.

**Minimum class size: 8    Maximum class size: 14**

**Instructor:** Kim Rosa

**Supply Fee:** \$30.00 (to cover various class manipulatives and project materials)  
(Payable to the Instructor)

**Textbook Required:** *ACSI Purposeful Design Mathematics Student Worktext Grade 1 (2nd Edition)* **ISBN:** 1583315772 **ISBN-13:** 9781583315774

## **Elementary Math 2<sup>nd</sup> Grade**

The ACSI Purposeful Design Mathematics Program places an emphasis on skill development, mastery, cumulative review, and formative assessment. Lessons integrate conceptual understanding, problem solving skills, modeling, reasoning, and strands of algebra and geometry with a strong emphasis on skill development and concept mastery. Math 2 features units on patterns and place value, addition and subtraction, multiplication (facts 2-5 and 10) and division, time (5-minute intervals) and money, addition and subtraction with regrouping, fractions, and measurement. The class will also include work with manipulatives, math games, and fun projects to emphasize concepts being learned.

**Minimum class size: 8    Maximum class size: 14**

**Instructor:** Kim Rosa

**Supply Fee:** \$30.00 (to cover various class manipulatives and project materials)  
(Payable to the instructor)

**Textbook Required:** *ACSI Purposeful Design Mathematics Student Worktext Grade 2 (2nd Edition)* **ISBN:** 1583315799 **ISBN-13:** 9781583315798

## **Elementary Math 3<sup>rd</sup> Grade**

The ACSI Purposeful Design Mathematics Program places an emphasis on skill development, mastery, cumulative review, and formative assessment. Lessons integrate conceptual understanding, problem solving skills, modeling, reasoning, and strands of algebra and geometry with a strong emphasis on skill development and concept mastery. Math 3 features units on place value, addition, subtraction, multiplication facts and application, division facts and application, geometry, measurement, fractions, decimals, time and money, and equations. The class will also include work with manipulatives, math games, and fun projects to emphasize concepts being learned.

**Minimum class size:** 8    **Maximum class size:** 14

**Instructors:** Kim Rosa and Katie Lamb (two different sections)

**Supply Fee:** \$30.00 (to cover various class manipulatives and project materials)  
(Payable to the Instructor)

**Textbook Required:** *ACSI Purposeful Design Mathematics Student Worktext Grade 3 (2nd Edition)* ISBN: 1583315810    **ISBN-13:** 9781583315811

## **Elementary Math 4th Grade**

The ACSI Purposeful Design Mathematics Program places an emphasis on skill development, mastery, cumulative review, and formative assessment. Lessons integrate conceptual understanding, problem solving skills, modeling, reasoning, and strands of algebra and geometry with a strong emphasis on skill development and concept mastery. Math 4 features units on place value, addition and subtraction, geometry, multiplication, and division (facts, application, multi-digit), decimals, measurement, temperature, and time. The class will also include work with manipulatives, math games, and fun projects to emphasize concepts being learned.

**Minimum class size: 8    Maximum class size: 16**

**Instructor:** Katie Lamb

**Supply Fee:** \$30.00 (to cover various class manipulatives and project materials)  
(Payable to the Instructor)

**Textbook Required:** *ACSI Purposeful Design Mathematics Student Worktext Grade 4 (2nd Edition)* **ISBN:** 1583315837 **ISBN-13:** 9781583315835

## **Upper/Elem MS Math Course 1**

This class expands on the concepts taught in Math 4. The first several lessons will be a review from the previous year. As the class progresses, the student will continue with multiplication, division, decimals, fractions, percent's, geometry, graphing, and will learn probability and statistics, and some pre-algebra concepts. New skills are constantly being taught, but there is also review of previous concepts in each lesson. Homework assignments will be graded in class and at home. See syllabus for information regarding quizzes and tests.

**Minimum class size: 8    Maximum class size: 16**

**Instructor:** Lizzie Robrahn (1<sup>st</sup> and 5<sup>th</sup> hours)

**Supply Fee:** \$20.00 (Payable to the Instructor)

**Required Text: McDougal Littell Middle School Math, Course 1: Student Edition**

**© 2004, · ISBN-10: 0618087591 · ISBN-13: 978-0618087594**

<https://www.amazon.com/McDougal-Littell-Middle-School-course/dp/0618087591>

## **MS Math Course 2**

This class continues the study of the concepts presented in Upper Elementary/Middle School Math Course 1. Students will take notes during an informal lecture presentation. Topics include number sense and measurement; decimal, fraction, and integer operations; percent applications; finding perimeter, area, and volume of geometric figures, one step inverse operations, probability, and statistics. Students will be expected to keep notebooks and assignments organized throughout each semester. Homework assignments will be graded in class and at home. Assessments will be administered in class and graded by the teacher.

**Minimum class size: 8    Maximum class size: 16**

**Instructor:** Krista Simmons

**Supply fee:** \$20.00 (Payable to the Instructor)

**Required Textbooks:** McDougal Littell Middle School Math, Course 2: Student Edition. ·ISBN 9780618249749

[https://www.amazon.com/McDougal-Littell-Middle-SchoolCourse/dp/0618508155?ref =mw\\_olp\\_product\\_details](https://www.amazon.com/McDougal-Littell-Middle-SchoolCourse/dp/0618508155?ref =mw_olp_product_details)



## **Math Course 3**

This course sits in between Middle School Math Course 2 and Prealgebra. Concepts presented in the previous course are expanded and algebraic connections are introduced. Students develop more details and secure the foundation needed to better prepare for a transition into high school math courses. Students will take notes during an informal lecture presentation. Topics include variables and equations, integers, solving one and two step equations and inequalities, rational numbers, polygons, right triangles, area, volume, transformations, linear equations and graphs, data analysis and probability, and polynomials. Students will be expected to keep notebooks and assignments organized throughout each semester. Homework assignments will be graded in class and at home. Assessments will be administered in class and graded by the teacher.

**Minimum class size: 8    Maximum class size: 16**

**Instructor:** Krista Simmons (4<sup>th</sup> and 6<sup>th</sup> hours)

**Supply Fee:** \$20.00 (Payable to the Instructor)

**Required textbooks:** McDougal Littell Middle School Math, Course 3: Student Edition. · **ISBN-10:** 061825000X/ · **ISBN-13:** 978-0618250004

[https://www.amazon.com/McDougal-Littell-Middle-School-Course/dp/061825000X/ref=olp\\_product\\_details?encoding=UTF8&me](https://www.amazon.com/McDougal-Littell-Middle-School-Course/dp/061825000X/ref=olp_product_details?encoding=UTF8&me)

## **Pre-Algebra**

**Pre-Algebra: Prerequisite: A thorough and working knowledge of the multiplication tables through 12 x 12, basic fraction operations, long division, and basic operations with decimals. If a student is not comfortable with a basic knowledge of these concepts, placement in a different level of math is recommended.**

Pre-Algebra will meet twice a week. Larson's Pre-Algebra covers everything the student needs to know to be prepared for Algebra I. The topics include Variables, Expressions, and Integers; Solving Equations; Multi-Step Equations and Inequalities; Factors, Fractions, and Exponents; Rational Numbers and Equations. Ratio, Proportion, and Probability; Percent's, Linear Functions, Real Numbers and Right Triangles; Measurement, Area, and Volume; Data Analysis and Probability. Polynomials and Nonlinear Functions; and Angle Relationships and Transformations. Students will be required to complete homework assignments outside of class. Tests will be administered in class.

**Minimum class size: 8    Maximum class size: 16**

**Instructor:** Nadia Kaufmann (1<sup>st</sup> hour) and Connie Dorsett (4<sup>th</sup> hour)

**Supply fee:** \$20.00 (Payable to the Instructor)

**Textbook:** McDougal Littell Pre-Algebra by Ron Larson, student edition, Hardcover, Published in 2008, ISBN-13: 978-0- 618-80076-6

## **Algebra 1**

**Prerequisite: Pre-Algebra. (Contact the instructor if you have any questions about readiness.)**

This high school level course covers connections to algebra; properties of real numbers; solving linear equations; graphing linear equations and functions; writing linear equations; solving and graphing linear inequalities; systems of linear equations and inequalities; exponents and exponential functions; quadratic equations and functions; polynomials and factoring; rational equations and functions; radicals and connections to geometry. Students will be required to complete homework assignments outside of class. Tests will be administered in class.

**Minimum class size: 8      Maximum class size: 16**

**Instructor:** Connie Dorsett (1<sup>st</sup> hour) and Lizzie Robrahn (2<sup>nd</sup> hour)

**Supply Fee:** \$20.00 (Payable to the Instructor)

**Required Texts:** McDougal Littel *Algebra 1* by Ron Larson, 2004 student edition.

Note: There are two ISBN numbers on the book. **ISBN-10: 0618250182; ISBN-13: 9780618250189**

## **Geometry**

**Prerequisite: Algebra I (Contact the instructor if you have any questions about readiness.)**

This is a proof-based course that covers points, lines, and planes; rays and angles; congruent triangles; inequalities; parallel lines; quadrilaterals; area; similarity; circles; the right triangle; the concurrence theorems; regular polygons; geometric solids; and coordinate geometry. This is a high school level course that develops deductive reasoning skills. Students will be required to complete homework assignments outside of class. Tests will be administered in class.

**Minimum class size: 8      Maximum class size: 16**

**Instructor:** Katie Lamb (2<sup>nd</sup> hour), Connie Dorsett (2<sup>nd</sup> and 5<sup>th</sup> hours)

**Supply Fee:** \$20.00 (Payable to the instructor)

**Required Texts:** McDougal Littell *Geometry* by Ron Larson, 2004 student edition.

**NOTE: There are two ISBN numbers on the book. ISBN-13: 9780618250226 and ISBN-10: 0618250220.**

## **Algebra 2**

Algebra 2: Prerequisite: Algebra 1 (Contact the instructor if you have any questions about readiness.)

This high school level course covers equations and inequalities; linear equations and functions; systems of linear equations and determinants; quadratic functions; polynomials and polynomial functions; powers, roots, and radicals; exponential and logarithmic functions; rational equations and functions; quadratic relations and conic sections; sequences and series; probability and statistics, trigonometric ratios, and functions; trigonometric graphs, identities, and equations. Students will be required to complete homework assignments outside of class. Tests will be administered in class.

**Minimum class size: 8      Maximum class size: 16**

**Instructor:** Connie Dorsett

**Supply Fee:** \$20.00 (Payable to the instructor)

**Required Texts:** McDougal Littel Algebra 2 by Ron Larson, 2004 student edition.  
ISBN-10: 0618250204 or ISBN-13: 978-0618250202

## **Personal Financial (11th-12<sup>th</sup> Grade, 1<sup>st</sup> Semester)**

This course will help prepare your student to be a good steward of the Lord's money. The course will cover taxes, checking, savings, paying for college, types of credit, managing credit, investing, insurance and budgeting. Though not as heavily math oriented as some students' fear, there will be some basic math needed in a few of the units. In the tax unit, the class will learn about different tax forms, complete a 1040 tax filing, and, if still available in the curriculum next year, a simulated Turbo Tax filing. In the checking and savings units, the class will learn about different accounts, balancing an account, and online apps. The class will cover college costs, the FAFSA, and the different ways to pay for college. Credit units will cover the different types of credit, pitfalls, responsibility, and getting out of debt if one finds their way there. In the investing unit, the class will learn about the different types of investment vehicles and retirement accounts. The insurance unit includes types of insurance and impact of having/not having insurance. Students will learn how to budget.

**For supplies, it is important that students have a 3-ring binder only for this class.**

**Minimum class size:** 6      **Maximum class size:** 16

**Instructor:** Randy Bohlender

**Prerequisite:** None.

**Supply fee:** \$30.00 (Payable to the Instructor)

**Required Textbook:** Provided by the teacher.

## **Pre-Calculus**

### **Prerequisite: Algebra 2 and Geometry**

Precalculus helps solidify a firm foundation for students interested in pursuing higher level mathematics to succeed in Calculus and beyond. Whether a student may be planning to pursue a degree in engineering, physics, mathematics, economics, or even computer science, a strong understanding of precalculus concepts is beneficial. This upper-level high school course will provide a thorough presentation of trigonometry, analytic geometry, and an introduction to the calculus topics of derivatives and integrals. The text used in class, along with other sources, will provide students with the skills and understanding to solve a variety of problems while preparing them for more advanced courses. Some of the topics studied include linear and angular velocity, reducing and graphing the six trigonometric functions, verifying trigonometric identities, solving trigonometric equations, complex numbers, the conic section, polar equations, algebraic functions, limits, derivatives, integrals, and more.

**Minimum class size: 3    Maximum class size: 16**

**Instructor:** Karen Dallimore

**Supply Fee:** \$20.00 (Payable to the Instructor)

**Required Textbook:** Abeka: Precalculus with Trigonometry and Analytical Geometry (First Edition)

(<http://www.abeka.com/ABekaOnline/bookdescription.aspx?sbn=303577&childSbn=11577>; this book has been in print for a long time and can be found used on other sites.)

## **Physical Education (Elementary)**

Physical Education (PE) is an important component of each student's school experience. Physical wellness and psychomotor skills are developed through a variety of activities in and outside of a child's classroom. At Brighton Academy we will focus on a safe environment that promotes success and expression through a variety of movement opportunities and challenges. Students will be given opportunities to experience and develop self-confidence and self-esteem while participating in a variety of developmentally appropriate activities which will contribute to enhancing skills for a healthy lifestyle. PE will be held outside whenever possible, weather permitting. PE will be held indoors when temperatures are below 25 or above 95 or when there is any other extreme weather.

**Minimum class size: 6    Maximum class size: 20**

**Instructors:** Nancy Lawson (2<sup>nd</sup> and 6<sup>th</sup> hours), Katie Lamb (4<sup>th</sup> hour)

**Supply Fee:** \$20.00 for sports equipment (Payable to the Instructor)

## **Physical Education (Middle School)**

Physical Education (PE) is an important component of each student's school experience. Physical wellness and learning healthy eating habits are developed through a variety of activities in and outside of the child's classroom. At Brighton we will focus on a safe environment that promotes success and expression through a variety of movement opportunities and challenges. Students will be given opportunities to experience and develop self-confidence and self-esteem. Students will learn how healthy eating and exercising will benefit them now and in the future. We will learn inside and outside of the classroom. Our exercises will consist of body weight exercises as well as some cardio exercises such as running, walking, sport activities so dressing appropriately will be required (i.e.... tennis shoes).

**Minimum class size: 6    Maximum class size: 20**

**Instructors:** Nancy Lawson

**Supply Fee:** \$25.00 for sports equipment (Payable to the Instructor)



## **PSYCHOLOGY**

**Dual credit option available through Central Christian College for 10<sup>th</sup>-12<sup>th</sup> grades.**

Students in General Psychology will understand what a Christian/Biblical worldview is and will be able to discuss this in context of the field of psychology. This course will explore the foundations of psychology, the structure and function of the brain and nervous system, the link between sensation and perception, human development, memory, dreams, and consciousness. Students will learn and discuss current theories on motivation, emotion, development, memory, sensation, abnormal psychology, social psychology, and treatment.

This is an online course. Students will receive their assignments and lecture videos each week. Assignments can be completed at the student's convenience and submitted any time PRIOR to the given due date. All assignments will be submitted electronically to the instructor for grading.

**Class minimum/maximum:** None

**Instructor:** Leah Houghton

**Supply Fee:** None

### **Required Materials:**

\*Myers, David G., ***Exploring Psychology***: Ninth Edition. ISBN:9781464163364 (*I recommend purchasing a used copy of the textbook from a used book supplier. The text is an older edition and can be found inexpensively through most used book sites. If you have difficulty locating an affordable copy, please let me know and Brighton **may** have a copy to lend you.*)

\*Myers, David G., ***Psychology Through the Eyes of Faith***. ISBN: 978-0060655570

\*Access to a computer and email account for submitting completed assignments to the instructor.

# Science

## **Elementary Science (1st – 3rd Grade)**

### **God's Design: Life for Beginners**

In this class, we will explore plants, the human body, and the world of animals. Children will learn how plants get energy and grow, the different systems of the body and their functions (and how we are created in God's image), as well as how each animal was created to be unique by God.

**The World of Plants:** Explore the amazing variety of plants that God created! Learn about the parts of plants and flowers and how plants get energy and grow. The hands-on activities make learning about plants fun, and the focus on biblical creation will help establish children in their Faith.

**The Human Body:** The human body is an incredibly complex wonder, created by God! Learn about the amazing functions of each system of our bodies. As children learn about human anatomy, they will understand that they are created in God's image. The hands-on activities make learning about the human body fun, and the focus on biblical creation will help establish your student in their faith.

**The World of Animals:** Explore every facet of the animal kingdom God created! Discover how each animal was created to be unique, from cuddly mammals and slimy frogs, to jellyfish, butterflies, and bacteria. The hands-on activities make learning about animals' fun, and the focus on biblical creation will help establish children in their faith.

**Minimum class size: 5      Maximum class size: 16**

**Instructor:** Angela Earley

**Supply Fee:** \$35.00 (payable to the instructor)

**Required Textbook/Workbook:** Master Books, "God's Design: Life for Beginners," ISBN: 9781683441670  
<https://www.christianbook.com/gods-design-life-for-beginners/debbie-lawrence/9781683441670/pd/441675?event=ESRCG#CBD-PD-Description>

## **Elementary Science (4th-6<sup>th</sup> Grade)**

### **God's Design - Life**

This year, your 4th – 6th graders will learn all about biology as they study the intricacies of life science through botany, human anatomy, and zoology. The World of Plants: Discover the Creator's handiwork as you study the beauty and intricacy of seeds, leaves, and flowers. Explore trees, fungi, algae, unusual plants, moss, and more. The Human Body: The human body is an incredibly complex and created wonder. Learn about the amazing functions of each system and understand that you are made in God's image. The World of Animals: Discover how each animal was designed by God to be unique, from cuddly mammals and slimy frogs to jellyfish, butterflies, and bacteria.

**Minimum class size: 8    Maximum class size: 16**

**Instructor:** Bryon Autrey

**Supply Fee:** \$40.00 (Payable to the Instructor).

**Required Supplies:** See "Textbook and Supply List" on the Brighton website.

**Required Textbook:** Master Books, "God's Design - Life" (MB Edition),

ISBN-13: 9781683441274

<https://www.christianbook.com/gods-design-for-life/debbie-lawrence/9781683441274/pd/441275?event=CBCER1>

## **Life Science (7th & 8th Grade)**

This course is designed to present life science from a creation perspective. Students will be introduced to the scientific method and encouraged to apply it throughout the rest of the year. Topics such as classification, soil science, plants, animals, insects, the human body, hygiene, microscopy and more will be studied according to the understanding of the design and laws of nature, in the universe as the direct, orderly, law-abiding creation of God. Lab experiments and group activities will help in solidifying many of the topics studied throughout the year, including the dissection of a fish and a fun, small group STEM project during the second semester.

**Minimum class size: 8      Maximum class size: 16**

**Instructor:** Laney Roberson (5<sup>th</sup> hour) and Karen Dallimore (6<sup>th</sup> hour)

**Supply Fee:** \$45.00 for copies and lab supplies (Payable to the Instructor)

**Required Textbook:** Abeka, Science: Order and Design (*Second Edition*)  
(<https://www.abeka.com/abekaonline/bookdescription.aspx?sbn=309419>; can also be found used on other sites)

Lab Book: NA

My mission, as a secondary science teacher, is to provide each student with a positive, Christian, learning environment in which they are encouraged to achieve academic success and develop a lifelong curiosity for learning about the scientific wonders that God has created in the world around them. It is also my desire to help every student develop good study skills, become independent and critical thinkers, and learn to work both independently and with others towards completing assignments and tasks during the school year, and into the future.

## **Earth and Space Science (7th to 9th Grade)**

This course is designed to show students the features of God's Creation here on earth as well as outer space, from the study of earthquakes and volcanoes to clouds and galaxies. Over the 2 semesters students will study the topics of geology, oceanography, meteorology, astronomy, and space exploration, with the goal of discovering the thoughts of the Creator through the ingenious structure and orderly function of His creation. Many lab experiments and group activities will help solidify many of the topics studied throughout the year, including building a volcano during the first semester, and a small group STEM project during the second semester.

**This class counts as a high school credit for 9th Graders.**

**Minimum class size: 8    Maximum class size: 16**

**Instructor:** Karen Dallimore (1<sup>st</sup> hour) and Laney Roberson (4<sup>th</sup> hour)

**Supply Fee:** \$45.00 for copies and lab supplies (Payable to the Instructor)

**Textbook:** Abeka, Science: Earth and Space (Second Edition)  
(<https://www.abeka.com/abekaonline/bookdescription.aspx?sbn=381594>; can also be found used on other sites)

**Lab Book:** NA

My mission, as a secondary science teacher, is to provide each student with a positive, Christian, learning environment in which they are encouraged to achieve academic success and develop a lifelong curiosity for learning about the scientific wonders that God has created in the world around them. It is also my desire to help every student develop good study skills, become independent and critical thinkers, and learn to work both independently and with others towards completing assignments and tasks during the school year, and into the future.

## **Physical Science (8<sup>th</sup> Grade and up)**

### **Prerequisite: Pre-Algebra**

This exciting and engaging course is designed to teach the foundational principles of physical science, providing a basic introduction to its mathematical aspects, in preparation for future studies in chemistry and physics. Scientific measurements, motion, energy, thermodynamics, light, electricity, magnetism, proofs of Creation, atomic structure, and the foundations of chemical reactions are just some of the many topics covered over the two semesters. Lab experiments will visually reinforce a variety of topics, from science investigation, engineering design, to physics and chemistry. Students will be encouraged to evaluate scientific claims through a biblical worldview and put a greater emphasis on reasoning and critical thinking skills. Physical Science is a first level high school science class, designed and written at a 9th grade level. Due to the advanced nature of the course content, it is also appropriate for older high school students needing a lab course but are not yet at the math level required for a full year of chemistry or physics.

**This class counts as a high school credit for 9th Graders.**

**Minimum class size: 8     Maximum class size: 16**

**Instructor:** Karen Dallimore

**Supply Fee:** \$40.00 for copies and lab supplies (Payable to the Instructor)

**Textbook:** Abeka, Science: Matter and Energy (Second Edition)

(<https://www.abeka.com/ABekaOnline/BookDescription.aspx?sbn=373397&childSbn=342068>)

**Lab Book:** NA

My mission, as a secondary science teacher, is to provide each student with a positive, Christian, learning environment in which they are encouraged to achieve academic success and develop a lifelong curiosity for learning about the scientific wonders that God has created in the world around them. It is also my desire to help every student develop good study skills, become independent and critical thinkers, and learn to work both independently and with others towards completing assignments and tasks during the school year, and into the future.

## **Biology (9<sup>th</sup> Grade and up)**

This course is designed to be a thorough introduction to the field of Biology. *Biology* shows your student God's power and glory in creation as he learns about cellular biology, genetics, taxonomy, microbiology, botany, and zoology. When studying topics such as creation and evolution, human cloning, abortion, and stem cell research, students are pointed to Scripture as the ultimate authority and are encouraged to develop a Biblical perspective about these topics. Homework will include reading, work from the text and, occasionally, internet research. The teacher will provide all laboratory materials other than the individual project supplies. Further A & P study, as well as possible dual credit, is provided in the Advanced Biology course.

**Minimum class size: 8    Maximum: class size: 16**

**Instructor:** Laney Roberson (1<sup>st</sup> hour) Lizzie Robrahn(4<sup>th</sup> hour)

**Supply Fee:** \$45.00 (Payable to the Instructor)

**Textbook:** BJU Press Biology Grade 10 Student Text (5th Edition)

**ISBN:** 160682936X or

**ISBN-13:** 9781606829363

BJU Press Biology Grade 10 Student Lab Manual (5th Edition)

**The lab manual needs to be new.**

**ISBN:** 1628560231

**ISBN-13:** 9781628560237

## **Advanced Biology (11<sup>th</sup> and 12<sup>th</sup> Grade)**

**10<sup>th</sup> grade with instructor approval**

**Dual credit option available through JCCC (10<sup>th</sup>-12<sup>th</sup> grade)**

**Prerequisites:** Biology

Combined with a previous full year of Biology, this course gives the student the equivalent of a university biology course. We begin the year with a comprehensive review of basic biology and biochemistry. Then we cover both the Anatomy and the Physiology of the human body's 11 organ systems in detail. Advanced Biology would be especially helpful to any student considering a career in a Health Sciences field, such as: pre-med/dental/nursing/PT/OT/dental hygiene/biotechnology/etc. There may be required, or extra credit semester class projects related to Human Anatomy. Students will complete all the labs in the book, which will add up to several hours of microscopic evaluation of tissue samples and comparative anatomy dissections. There will also be 4 Biology article reviews completed by the students who will be receiving dual college credit for this class. The lab fee will cover all laboratory equipment and dissection specimens.

**Minimum class size: 6      Maximum class size: 16**

**Instructor:** Sneha Chacko

**Supply Fee:** \$45.00 (Payable to the Instructor)

**Textbook:** Apologia (Advanced Biology)

The Human Body 2nd Edition Textbook ISBN-10: 1935495720 New book \$54.00: (<https://www.christianbook.com/advanced-biology-2nd-edition-marilynshannon/9781946506603/pd/506603?event=ESRCG>) Check for used copies as well. Please make sure you get the 2nd edition. The 1st edition is \*not\* compatible.

Kaplan Coloring Book, 6th edition

The student workbook is NOT NEEDED.



## **Chemistry**

### **Prerequisite: Algebra I**

This high school course provides a rigorous foundation in chemistry and prepares the student for advanced high school or college level chemistry courses. Some of the topics covered are significant figures, units, classification, the mole concept, stoichiometry, thermodynamics, kinetics, acids and bases, redox reactions, solutions and mixtures, atomic and molecular structure, Lewis structures, molecular geometry, the gas laws, and equilibrium. Lab experiments will be conducted throughout the modules to further cement the concepts learned in each module and provide the student with hands-on experience working with lab equipment and common chemicals and completing lab reports. Each module in this course is set up to be completed in 2 weeks, followed by a test.

**Minimum Class Size: 3    Maximum Class Size: 16**

**Instructor:** Karen Dallimore

**Supply and Lab Fee:** \$40.00 (Payable to the Instructor)

**Textbook:** Exploring Creation with Chemistry, 3rd Edition, Plourde and Hughes (ISBN: 9781946506580; can be found used on other sites.) / "Solutions Manual" not needed

**Lab Book:** NA

My mission, as a secondary science teacher, is to provide each student with a positive, Christian, learning environment in which they are encouraged to achieve academic success and develop a lifelong curiosity for learning about the scientific wonders that God has created in the world around them. It is also my desire to help every student develop good study skills, become independent and critical thinkers, and learn to work both independently and with others towards completing assignments and tasks during the school year, and into the future.

# **Physics 1**

## **Prerequisite: Algebra 2**

This high school course provides a rigorous foundation into the methods and concepts of physics and will prepare students for advanced high school or college level physics courses. Physics is a fascinating subject and is a required course in many colleges and universities for engineering, many sciences, pharmaceutical, and other medical fields. Topics covered in this class will include one and two-dimensional motion, two-dimensional vectors, free fall, kinematics, Newton's Laws, torque, periodic motion, waves, geometric optics, Coulomb's Law, the electric field, electric potential, and electric circuits. The lab experiments conducted throughout the two-semester course are designed to further cement the concepts learned. Some of the lab activities will deal with velocity and acceleration, torque, Newton's Laws, electricity and magnetism, and a final project building model rockets to launch at Shawnee Mission Park at the end of the school year. Each module in this course is set up to be completed in 2 weeks, followed by a test.

**Minimum Class Size: 3    Maximum Class Size: 16**

**Instructor:** Karen Dallimore

**Supply Fee:** \$40.00 for copies and lab supplies (Payable to the Instructor)

**Textbook:** Exploring Creation with Physics, 2nd Edition, by Jay L. Wile (ISBN: 9781932012422; this book has been in print for a long time and can be found used on other sites.) / "Solutions Manual" not needed

**Lab Book:** NA

My mission, as a secondary science teacher, is to provide each student with a positive, Christian, learning environment in which they are encouraged to achieve academic success and develop a lifelong curiosity for learning about the scientific wonders that God has created in the world around them. It is also my desire to help every student develop good study skills, become independent and critical thinkers, and learn to work both independently and with others towards completing assignments and tasks during the school year, and into the future.

# SCIENCE, TECHNOLOGY, ENGINEERING, & MATH

## STEM 1st-3rd Grade

STEM education is a growing force in today's classroom. We know that S.T.E.M. (Science, Technology, Engineering, and Math) curriculum prepares students for the specific technical skills necessary for 21st century success. But we also know that the S.T.E.M. education environment is perfect for learning life skills like teamwork, independent and structured problem-solving; and developing character traits like perseverance, responsibility, and courage. Students will have the chance to complete hands-on experiments, build and design projects, and increase their understanding of science and math. The class units include study of the seasons, engineering based on classic Fairy Tales, computers and coding, weather, chemistry, physical science, animals, engineering, Legos, space, plants, and much more! If your student was enrolled in STEM this past year, they can still take it again. We will repeat some projects but will also be adding new ones.

**Minimum class size: 8    Maximum class size: 16**

**Instructor:** Joanna Regier

**Supply Fee:** \$55.00 (Payable to the Instructor).

## **STEM 4th-6th Grade**

**Prerequisite:** None

STEM education is a growing force in today's classroom. Exposure to science, technology, engineering, and math is important in learning as it allows students to succeed in higher education as well as a variety of careers. The focus of this course will be relating science, technology, and math concepts to engineering. This course will actively engage students through design-based projects while deepening their understanding of fundamental concepts and improving student learning through hands-on, project-based experiences that connect them to everyday STEM applications.

**Minimum class size:** 4    **Maximum class size:** 18

**Instructor:** Katie Lamb

**Supply Fee:** \$50.00 (This fee includes projects equipment and supplies)  
(Payable to Instructor)

**Textbook:** NA

## **STEM 7th-9th Grade**

The STEM acronym stands for science, technology, engineering, and mathematics. All these academic disciplines rely heavily on each other and are highly integrated in the professional and academic world. This course is intended to integrate the STEM fields through project-based learning. Students will be engaged in hands-on activities geared towards combining multiple STEM disciplines and learn to be creative and innovative while completing projects from start to finish, in an environment where it is safe to fail and learn from mistakes. Teamwork and communication will be stressed as the students work together to complete tasks and projects.

**Minimum class size: 6      Maximum class size: 16**

**Instructors:** Nadia Kaufmann, (2<sup>nd</sup> hour), Bryon Autrey, (5<sup>th</sup> hour) and Connie Dorsett, (6<sup>th</sup> hour)

**Supply fee:** \$55.00 (This fee includes equipment and supplies) (Payable to the Instructor)

**Textbook:** Everything You Need to Ace Science in One Big Fat Notebook by Workman Publishing

**ISBN-10:** 0761160957

**ISBN-13:** 978-0761160953

Is available new and used on Amazon.

## **STEM 10<sup>th</sup>-12<sup>th</sup> Grade**

The STEM acronym stands for science, technology, engineering, and mathematics. All these academic disciplines rely heavily on each other and are highly integrated in the professional and academic world. This course is intended to integrate the STEM fields through project-based learning. Students will be engaged in hands-on activities geared towards combining multiple STEM disciplines and learn to be creative and innovative while completing projects from start to finish, in an environment where it is safe to fail and learn from mistakes. Teamwork and communication will be stressed as the students work together to complete tasks and projects.

**Minimum class size: 4    Maximum class size: 16**

**Instructor:** Lizzie Robrahn

**Supply Fee:** \$60.00 (This fee includes equipment and supplies)  
(Payable to the Instructor)

**Textbook:** NA

# Social Studies

## Elementary Social Studies (1<sup>st</sup>-3<sup>rd</sup> Grade)

### Our Star-Spangled Story

Our Star-Spangled Story (Part 2)

This year we will cover life in America from the late 1800's to modern times through engaging, narrative-style chapters. We will spotlight many individuals and learn about their lives and the impact they had on our country. We will also include literature that will enhance our textbook studies, as well as many hands-on crafts and activities.

**Minimum class size: 8     Maximum class size: 16**

**Instructor:** Debbie Earley

**Supply Fee:** \$25.00 (payable to the instructor)

### **Required Books:**

Textbook: Notgrass, "Our Star-Spangled Story: Part 2", ISBN: 9781609991258

<https://www.christianbook.com/our-star-spangled-story-part-2/9781609991258/pd/991265?event=ESRCP#CBD-PD-Description>

Workbook: Notgrass, "My Star-Spangled Notebook," ISBN: 9781609991289

<https://www.christianbook.com/my-star-spangled-student-workbook/9781609991289/pd/991289?event=CPOF>

**\*\*Note\*\* Students enrolled in this class for the 23-24 school year who are planning to take this class for the 24-25 school year do not need to purchase another workbook. Keep your existing workbook and we will use it next year.**

**Students enrolling in this class for the first time WILL need to purchase the workbook.**

## **Elementary Social Studies (4<sup>th</sup>-6<sup>th</sup> Grade)**

### **First Semester**

U.S. Government, Presidents, & Presidential Elections

This course will examine how the government works, explore the lives of U.S. Presidents, and provide an educational journey through the election process. To demonstrate the power of the vote, we will be holding a mock election for the entire school to experience.

### **Second Semester**

State & Local History from A Christian Perspective

Students will learn about their state and local history in this two-state course covering both Kansas and Missouri. With an emphasis on history, we will also explore each states' symbols, geography, cities, government, and more as we design a made-from-scratch project notebook.

Some field trip opportunities will be made available on non-school days.

**Minimum class size: 8     Maximum class size: 16**

**Instructor:** Debbie Earley and Laney Roberson

**Supply Fee:** \$30.00 (payable to the instructor)

**Required Textbook:** Master Books, "Meet the Chief: A Fun Look at the U.S. Presidents," paperback, ISBN: 9781683442738

<https://www.christianbook.com/meet-the-chief-fun-look-presidents/joel->



## **MS American History: (7<sup>th</sup>-8<sup>th</sup> Grade)**

The American Republic

We will work our way through American history emphasizing traditional American values. Students will get an overview of the founding, development, and growth the United States as a nation. The text leads us on a tour of our nation's history starting with the first interactions between Native Americans and European explorers, ending with present day America.

**Minimum class size: 8    Maximum class size: 16**

**Instructors:** Sarah LaBarge (2<sup>nd</sup> hour) and Debbie Earley (6<sup>th</sup> hour)

**Supply Fee:** \$25.00 (payable to the instructor)

**Required Textbook:** BJU Press, "The American Republic," 4th edition, ISBN: 9781606828571

<https://www.christianbook.com/american-republic-student-4th-edition/9781606828571/pd/297671?event=ESRCG#CBD-PD-Description>

## **World History High School: (9<sup>th</sup>-12<sup>th</sup> Grade)**

This course will cover human history from a Biblical perspective. We will explore early civilizations to our current time including Greece, Rome, the Middle Ages, the Renaissance, the Reformation, the Enlightenment, and civilizations in Africa, the East, Asia, pre-colonization Americas, and empires in Africa, India, and Asia. Like many history courses, there will be quite a bit of reading with this course.

**Minimum class size: 6    Maximum class size: 16.**

**Instructor:** Randy Bohlender

**Supply Fee:** \$20.00 (payable to the instructor)

**Required Textbook:** Exploring World History Curriculum Package by Notgrass, includes Book 1, 2 and In Their Words (2014 Edition)

**ISBN:** 1609990641

**ISBN-13:** 9781609990640

## **World Geography High School: (9<sup>th</sup>-12<sup>th</sup> Grade)**

### **Cultural Geography**

This course provides a survey of both geographic principles and study of every country in the world through a regional approach from a Christian worldview. Using the theme of a grand tour, students will “travel” from continent to continent around the world, studying cultures, landforms, climates, resources, religions, and governments. This course would be a useful foundation prior to taking World History.

**Minimum class size: 8     Maximum class size: 16**

**Instructor:** Debbie Earley

**Supply Fee:** \$25.00 (payable to the instructor)

**Required Textbook:** BJU Press, “Cultural Geography,” 4h edition, ISBN: 9781606824993

<https://www.christianbook.com/press-cultural-geography-student-4th-edition/9781606824993/pd/490866?event=CFCER1#CBD-PD-Description>

## **American Government 11<sup>th</sup>-12<sup>th</sup> Grade, 2<sup>nd</sup> Semester)**

*Fulfills ½ credit of required Am. Government.*

### **(10<sup>th</sup> grade with instructor approval)**

Students will explore the government of the United States from its beginning to the present from a Christian Worldview. Students will learn about the operations of federal, state, and local government, and about issues facing our nation today. Students become better equipped to understand, pray for, and be involved in our country's government. Students can anticipate guest speakers from among our local government and a mandatory field trip to Topeka. In addition, students will be required to attend a minimum of one local government meeting. This course includes quite a bit of time outside the classroom dedicated to reading and completing course work to best take advantage of class time to facilitate discussion and comprehension.

**Minimum class size: 6      Maximum class size: 16**

**Instructor:** Randy Bohlender (1<sup>st</sup> hour) and Laney Roberson (2<sup>nd</sup> hour)

**Supply fee:** \$20.00 (Payable to the Instructor)

**Required Textbook:** Exploring Government Student Text **2016 Updated Edition** (ISBN: 1609991001 **ISBN-13:** 9781609991005 and We Hold These Truths 2016 Updated Edition ISBN: 160999101X **ISBN-13:** 9781609991012

**Prerequisite:** None, but a prior American History course would make the course more meaningful.

## **Study Hall**

Brighton Academy considers Study Hall a class and therefore maintains this as a time of study for students and structures it to allow optimum productivity. Students should bring work to accomplish during this time. Parents may send a list of items that they want their student to complete.

All students in Study Hall must be pre-registered for that period. A student may temporarily utilize a Study Hall period if it is first cleared with the Study Hall monitor. There will be a \$3 charge for each Study Hall period needed.

Taking tests during Study Hall is allowed when prior arrangements have been made between parents or teachers and the Study Hall monitor.

One student per table, if there's room.

**No cell phone usage is allowed in Study Hall. All cell phones and any type of headphones, Air pods, etc. need to be placed on the teacher table.**

We would prefer students not use laptops in study hall, however we understand that some students will have homework that requires the use of a laptop and/or tablet. The student is responsible to present a written permission slip from the parent to the Study Hall monitor prior to usage. Students using a laptop and/or tablet must sit where the monitor can always see the screen. If students are off task, laptop and/or tablet privileges students will receive one warning and after that laptop and/or tablet privileges will be lost in Study Hall.

Students may leave Study Hall one at a time if they need to for a bathroom or water break, they must get permission from the Study Hall monitor and sign out.

**Maximum size: 20**