

# CHASE Academy Course Catalog 2020-2021 School Year

(Version Dated 5/13/2020)

This catalog includes information about all classes to be offered at CHASE Academy during the 2020-2021 school year. The school year includes 30 weeks of classes, with a 14 week fall semester (Mondays, September to December), and a 16 week spring semester (Mondays, January to April). Classes are listed on the following pages by period in each grade level, progressing youngest to oldest. For further questions about a class, please contact the instructor.

## Class information includes:

**Grade Level:** approximate grade level of material presented (K3/4, K5, E1/2, E3/4, E5/6, MS, and HS)

### Course term:

- **Fall** - one semester class, offered during the fall semester only.
- **Spring** - one semester class, offered during the spring semester only.
- **Fall/Spring** - a class in which the material is different each semester, so that the student may take it for the full year, or just one of the semesters.
- **Fall & Spring** - classes in which the same material is presented both semesters; the student should only register for ONE semester.
- **Full year** - a class offered all year, starts in September and ends in April

**Curriculum:** Source of instruction. Not all classes use a purchased curriculum, and are noted as N/A (Not Applicable). If you are required to purchase a curriculum for the course, it will be listed under "Supplies Needed".

**Class summary:** includes brief summary of material to be covered during the class, recommended prerequisite(s), projects, etc. For the upper level sciences please pay careful attention to any math prerequisites.

**Homework:** Anticipated amount of work to be done at home.

C \*\*\*\* Choice (Parent chooses between Light, Moderate, or Extensive options)

E \*\*\* Extensive (Daily homework)

M \*\* Moderate (2-3 hours of homework)

L \* Light (1-2 hours of homework)

N No weekly homework. May include an occasional light assignment.

**Supplies Needed:** These are all supplies **not** included in class fee or supplied by CHASE. These supplies, including text books and/or workbooks, are the responsibility of the family to purchase for the course and **MUST** be purchased prior to the start of classes.

**Class Fee:** This is the fee required for materials the teacher will be purchasing for the class. Class fees will be collected by CHASE and disbursed to the various teachers.

**\*Non-participating members:** All one semester classes are \$90.00-\$100.00 (check individual classes for amount), full year classes are \$150.00, and science classes are \$200.00. Class fees are included in this cost.

**Copy Fees:** A copy fee will be assessed per student per class in any class where a student receives a folder or notebook of copied material, music, or a lap book in lieu of or in addition to a purchased curriculum.

**Nursery Fee:** A fee of \$5.00 per child will be charged in the nursery. This will cover the cost of wipes, gloves, and animal crackers. Please note that there is a fee for non-member children placed in the nursery. The procedure, paperwork, and fee are explained in the Member Handbook.

**Study Hall:** Students in the study hall **MUST** have work to do as no talking is permitted. In lieu of study hall, students may also be with their parent or serve as a teen helper in classes where they are needed. Students will need the approval of leadership to serve as a teen helper.

**High School Chemistry:** Galen Hershey has taught Chemistry previously at CHASE, as well as High School sciences privately and at other co-ops. He is looking forward to working with our students this year. HS Chemistry will be offered as a 2-hour block consisting of lecture and instruction the first hour and a lab the second hour. The text being used is *Introductory Chemistry: A Foundation, 4<sup>th</sup> Edition* (ISBN# 978-0395955369). The course fee is \$225. Payments are to be paid for by the year directly to Galen Hershey.

**Science Classes:** All science classes at CHASE are taught from a creationist perspective. The majority of our elementary, middle, and high school core science classes use Apologia Curriculum. Apologia describes their approach as, "Looking at the world from a creationist position, topics are all presented with an eye towards God's role in everyday life."

## ***K3/4 [for approximately 3½-4 year olds]***

### CLASSES LISTED BY PERIODS

**\*NOTE:** There will be a \$15.00 supply fee for each child in the K3/4 class. CHASE will provide supplies for all classes.

#### **Math & ABC Time**

**1<sup>st</sup> Period-Full Year**

**Homework:** N No weekly homework. May include an occasional light assignment.

**Curriculum:** Math manipulatives, hands on activities, songs, rhymes, poems, and storybooks.

**Summary:** The children will experience math concepts through the use of manipulatives, games, and songs. They will practice using words such as: greater, lesser, equal, how many, greater than, less than, and ordinal numbers. They will become familiar with the “attributes” of shapes. We will also review the alphabet through games, songs, storybooks, and crafts.

**Supplies Needed:** Markers, crayons, scissors, pencil, glue stick.

**Class Fee:** See note\*

#### **Circle Time**

**2<sup>nd</sup> Period-Full Year**

**Homework:** N No weekly homework. Will include an occasional light assignment.

**Curriculum:** N/A

**Summary:** Throughout the year, the children will have the opportunity to interact during “Circle Time” as we cover various preschool-related themes through songs, stories, and games. The children will also have opportunities to work on their fine motor skills.

**Supplies Needed:** Backpack, folder, pencil, crayons, scissors, and glue stick. An oversized paint shirt for various art projects will be provided unless your child would rather bring one in from home and keep it in their backpack.

**Class Fee:** See note\*

#### **Free Play/Snack**

**3<sup>rd</sup> Period-Full Year**

**Homework:** N No weekly homework. May include an occasional light assignment.

**Curriculum:** N/A

**Summary:** Snack time will take place inside during the first part of the class. After that free play will be spent outdoors, weather permitting, so please bring a coat during the winter. If it is raining or snowing, or if the temperature is too low to safely play outside, we will have play time inside.

**Supplies Needed:** Comfortable clothing, sneakers, and coat. Individually labeled snacks are to be provided by parents.

**Class Fee:** See note\*

#### **Quiet Time/Story Time**

**4<sup>th</sup> Period-Full Year**

**Homework:** N No weekly homework. May include an occasional light assignment.

**Curriculum:** N/A

**Summary:** This will be a time for children to relax.

**Supplies Needed:** Each child should bring a blanket, pillow, or other comforting item that will help them relax.

**Class Fee:** See note\*

#### **Free Play**

**5<sup>th</sup> Period-Full Year**

**Homework:** N No weekly homework. May include an occasional light assignment.

**Summary:** Children will be given a period of supervised free play.

**Supplies Needed:** None

**Class Fee:** See note\*

**K5 [5-6 year olds]**  
CLASSES LISTED BY PERIOD

**Seasonal Themes**

**1<sup>st</sup> Period-Full Year**

**Homework:** N No weekly homework. May include an occasional light assignment.

**Curriculum:** N/A

**Summary:** Children will participate in numerous across-the-curriculum activities/crafts relating to a weekly theme. Also, the students will be learning letters, letter sounds, color words, and other sight words while engaging in fun theme-based activities. In addition, students will receive easy-readers to keep as they begin the reading process.

**Supplies Needed:** Folder, Pencil, crayons, scissors, glue stick, and white glue

**Class Fee:** \$10.00

**Copy Fee:** \$6.00

**Literature**

**2<sup>nd</sup> Period-Full Year**

**Homework:** N No weekly homework. May include an occasional light assignment.

**Curriculum:** Various

**Summary:** Each week we will read a few books on one theme. We will have fun discussing, answering questions, and completing activities to go along with each topic. We will also be using Scholastic's classroom magazine in class with a copy the students can take home.

**Supplies Needed:** Folder, pencil, crayons, glue stick, and scissors.

**Class Fee:** \$10.00

**Free Play/Snack**

**3<sup>rd</sup> Period-Full Year**

**Homework:** N No weekly homework. May include an occasional light assignment.

**Curriculum:** N/A

**Summary:** We will have a fun time playing outside and getting our exercise while doing it. Snack time will take place inside during the first half of the class. Free play (the second half of the class) will be spent outdoors, weather permitting, so please bring a coat during the winter. If it is raining or snowing, or if the temperature is too low to safely play outside, we will have play time inside

**Supplies Needed:** Comfortable clothing, sneakers, and coat. Individual snacks are to be provided by parents.

**Class Fee:** None

**Math**

**4<sup>th</sup> Period-Full Year**

**Homework:** N No weekly homework. May include an occasional light assignment.

**Curriculum:** N/A

**Summary:** Children will spend time learning math skills as well as engage in fun activities that will help reinforce these skills. A number of the activities tie along with the Seasonal Themes class. If you sign your child up for this class, he/she should be signed up for the Seasonal Themes class also. While there is no required weekly homework for this class, every week worksheets will be sent home that your child may choose to complete and return for an opportunity to pick a prize out of the prize box.

**Supplies Needed:** Folder, pencil, crayons, scissors, and glue stick.

**Class Fee:** \$5.00

**Copy Fee:** \$1.00

## Science

5<sup>th</sup> Period-Full Year

**Homework:** No weekly homework. May include an occasional light assignment.

**Curriculum:** Will use various books and internet sites.

**Summary:** We will explore the exciting world of science with many hands-on experiments and crafts to illustrate our topics. We will study Nature, Animals, Chemistry and General Science, just to name a few topics.

**Supplies Needed:** Writing pencil, crayons, glue stick, and scissors.

**Class Fee:** \$5.00

## E1/2 [1st & 2nd grade]

CLASSES LISTED BY PERIODS

### Astronomy

1<sup>st</sup> Period-Full Year

(Class size limit: 12 students)

**Homework:** C \*\*\*\* Choice (Parent chooses between Light, Moderate, or Extensive options)

**Curriculum:** *Apologia Exploring Creation with Astronomy*

**Summary:** E1/2 Astronomy will be a full year course using the *Apologia Exploring Creation with Astronomy* textbook as well as the new Junior Notebooking Journal. Siblings can share a textbook, but each individual will need their own Notebooking Journal. This class is very appropriate for older grades as well. Topics include: what is Astronomy, the Sun, Mercury, Venus, Earth, the Moon, Mars, Space Rocks, Jupiter, Saturn, Uranus & Neptune, Pluto & the Kuiper Belt, stars and galaxies, space travel. We will spend 2 weeks in each chapter. Awesome experiments, hands on activities and lapbooks will be done in class. Some activities include making a rocket, building Olympus Mons, making ice cream, and a constellation, a compass and a moon mobile, a solar eclipse, pinhole viewing box. In order to accomplish all these fun hands on activities in class you will have weekly reading in the textbook.

**Supplies Needed:** *Apologia Exploring Creation with Astronomy* textbook ISBN: 9781940110585 (Second edition, c. 2016) and *Apologia Exploring Creation with Astronomy Junior Notebooking Journal* ISBN: 9781940110752

**Class Fee:** \$10.00

### Space

1<sup>st</sup> Period- Fall

**Homework:** N No weekly homework. May include an occasional light assignment.

**Curriculum:** Evan-Moore's *Exploring Space* as well as various other materials

**Summary:** Students will study various topics relating to space and our solar system, which will be taught with a variety of worksheets, books & hands-on activities.

**Supplies Needed:** Pencil, crayons or colored pencils, glue stick and scissors

**Class Fee:** \$5.00

**Copy Fee:** \$4.00

### General Science

1<sup>st</sup> Period -Spring

**Homework:** L ★ Light (1-2 days of homework)

**Curriculum:** Various

**Summary:** This is a general science class where we will cover several topics and do hands-on projects each week in class. Topics may include electricity, Newton's Laws, biology, chemistry, botany, and geology.

**Supplies Needed:** 3-ring binder, pen, pencil, scissors, glue, glue stick, and crayons.

**Class Fee:** \$5.00

**Copy Fee:** \$3.00

### Music

2<sup>nd</sup> Period-Fall

**Homework:** N No weekly homework. May include an occasional light assignment

**Curriculum:** N/A

**Summary:** In this class the students will learn/review music theory, name musical instrument families, identify famous musical composers, and develop music appreciation. This class will be a mixed review from the 2016-17 year as well as new material.

**Supplies Needed:** Pencils, crayons, scissors, and glue stick

**Class Fee:** None

**Copy Fee:** \$3.00

## Spanish Immersion

2<sup>nd</sup> Period-Fall

**Homework:** N No weekly homework. May include an occasional light assignment

**Curriculum:** N/A

**Summary:** This class led by a native speaker of Spanish will involve lots of songs, movement, and hands-on activities that keep students engaged and having fun while they learn.

**Supplies Needed:** Pencils, crayons, scissors, and glue stick

**Class Fee:** \$2.00

**Copy Fee:** \$3.00

## Art

2<sup>nd</sup> Period-Spring

**Homework:** N No weekly homework. May include an occasional light assignment

**Curriculum:** *Discovering Great Artists* by MaryAnn F. Kohl and Kim Solga

**Summary:** This class will consist of hands on activities which reflect the style of the “Artist of the Week”. The students will “meet” several artists and using a variety of art media will make a project based on the style of the artist whom we are studying each week.

**Class Fee:** \$10.00

## Legos

2<sup>nd</sup> Period-Spring

**Homework:** N No weekly homework. May include an occasional light assignment

**Curriculum:** N/A

**Summary:** This class will provide opportunities for students to build projects using Legos! Some weeks will have a theme, while others will be free-build. Opportunity will be given each week for students to share their creations with the rest of the class.

**Supplies Needed:** None

**Class Fee:** None

## Read/Write

3<sup>rd</sup> Period-Fall & Spring

**Homework:** L \* Light (1-2 hours of homework)

**Curriculum:** *Five in a Row Volume 2*, *BJU English 2*, and various worksheets

**Summary:** This class will be a mixture of introducing basic grammar skills, practicing beginning writing skills, reading books in class with follow-up questions, worksheets and fun activities done together. It is designed to supplement or enrich what your student is already doing at home for language arts and to expose them to topics they will encounter in grades 3 & 4 writing and grammar studies. **Student needs to know how to write the alphabet.** (Note: The same class will be taught both semesters. The fall semester is geared toward second graders, the spring semester toward first graders.)

**Supplies Needed:** Pencils, crayons, colored pencils, glue stick, and scissors.

**Class Fee:** \$5.00

**Copy Fee:** \$4.00

## Fun Math

3<sup>rd</sup> Period-Fall & Spring

**Homework:** N No weekly homework. May include an occasional light assignment

**Curriculum:** N/A

**Summary:** This class will provide opportunities for students to improve their understanding and recall of addition and subtraction facts. Class time will be spent on games and activities to make learning math facts fun! This is a supplemental class and should not be used as a core math class. \*The students must have some prior instruction in and comprehension of the concepts of addition and subtraction.\* (Note: The same class will be taught both semesters. The fall semester is geared toward first graders, the spring semester toward second graders.)

**Supplies Needed:** Pencil, crayons, markers, or colored pencils, scissors

**Class Fee:** \$2.00

**Copy Fee:** \$2.00

**Phys. Ed.****4<sup>th</sup> Period-Full Year****Homework:** N No weekly homework. May include an occasional light assignment**Curriculum:** N/A**Summary:** A physical education class that will include sports fundamentals and proper ball handling, group games, relays, etc. Included are opportunities to have a positive attitude toward exercise, learn appropriate stretching techniques, exposure to games not typical to homeschool students, and to learn good sportsmanship.**Supplies Needed:** **SNEAKERS MUST BE WORN TO CLASS EACH WEEK.** Various sports equipment may be needed (but not required) such as basketballs, soccer balls, etc.**Class Fee:** None**Native Americans****5<sup>th</sup> Period-Fall & Spring****Homework:** N No weekly homework. May include an occasional light assignment**Curriculum:** Evan-Moore's *Native Americans* and various other materials**Summary:** This class will learn about the history of Native Americans. We will discuss the different tribes. We will do activities relating to what we are discussing. (Note: The same class will be offered both semesters)**Supplies Needed:** Pencil, crayons, scissors, glue stick, and white glue**Class Fee:** \$5.00**Copy Fee:** \$5.00**Famous Americans****5<sup>th</sup> Period-Fall & Spring****Homework:** N No weekly homework. May include an occasional light assignment**Curriculum:** *U.S. History Little Books Famous People***Summary:** Each week we will learn about a famous American and do a craft that goes along with them. (Note: The same class will be offered both semesters)**Supplies Needed:** Pencil, crayons, colored pencils, scissors and glue stick. No markers please.**Class****Fee:** \$5.00**Copy Fee:** \$5.00



## E3/4 [3rd & 4th grade]

CLASSES LISTED BY PERIODS

### Writing (to include LA)

(Class size limit: 10 students)

**Homework:** E \*\*\* Extensive (Daily homework)

**Curriculum:** BJU's *English 4*

**Summary:** This writing class will strengthen your child's writing skills through a variety of writing projects. It is a comprehensive writing and grammar course when the parent follows through with the writing and grammar assignments throughout the week. Spelling practice is not included. We will complete eight writing projects throughout the year, taking each project through the writing process. Writing homework will involve completing one step in the writing process each week (prewriting, drafting, revising/editing, final copy) and should generally take about 15-30 minutes. Each week we will also introduce a grammar concept which should be practiced during the week using the BJU *English 4* worktext. These grammar assignments are an essential part of the course, will require time in addition to time spent on writing projects, and must be supervised and corrected by a parent. Journal writing will also be encouraged and a journal entry will be started most Monday mornings (the class fee includes the cost of the journal). This class will be most effective if the parent schedules 20 minutes of work time for 3 or 4 days during the week. Please note the worktext is required for the class.

**\*\*We have used this text several years in the past and have found that it works well for both 3<sup>rd</sup> and 4<sup>th</sup> graders.**

**Supplies Needed:** BJU's *English 4* worktext (2nd Edition), ISBN #978-1-59166-916-6. Parents have the option of purchasing the BJU *English 4* (2nd Edition) Teacher's Edition to be used in grading grammar assignments, although this is not essential. A Teacher's Edition will be available during the CHASE day on Mondays. The teacher will supply each student with a writing folder and journal on the first day of class.

**Class Fee:** \$9.00

**Copy Fee:** \$3.00

1<sup>st</sup> Period-Full Year

### Aesop's Fables

**Homework:** N No weekly homework. May include an occasional light assignment

**Curriculum:** Literature Pockets: Aesop's Fables

**Summary:** This course will explore a variety of Aesop's Fables with hands on activities.

**Supplies Needed:** Pencil, scissors, glue stick, colored pencils.

**Class Fee:** None

**Copy Fee:** \$3.00

1<sup>st</sup> Period-Fall

### Writing Workshop

**Homework:** L \* Light (1-2 hours of homework)

**Curriculum:** WriteShop Junior Book D (provided to the student)

**Summary:** This class is designed to strengthen writing skills with fun activities. We will focus on improving sentences and paragraphs to give the students a good foundation for future writing. This is a supplemental class and should not be used as a core language arts class. Note: This class will contain new content not covered in the previous year's class.

**Supplies:** a 3-ring binder for the handouts that will be given

**Class fee:** \$27.00, which includes the curriculum for the class

**Copy fee:** \$6.00

1<sup>st</sup> Period-Spring

## Apologia Zoology 1: Flying Creatures

2<sup>nd</sup> Period-Full Year

(Class size limit: 12 students)

**Homework:** E \*\*\* Extensive (Daily homework)

**Curriculum:** *Apologia Exploring Creation with Zoology 1: Flying Creatures*

**Summary:** Children will begin exploring the dynamics of flight and animal classification, learn about bats, and how to attract birds to your yard and identify them. The course will also include entomology, the study of insects. They'll learn to scientifically classify insects they find in their yard by a simple glance at their wings and other important characteristics. The book is written at a fourth grade reading level and may need to be read by the parent at a rate of 8 pages per week. Students will keep a 3-ring binder/notebook to record what they have learned. Class time will be spent reviewing the material read at home, sharing notebook entries, and doing activities associated with the subject.

**Supplies Needed:** *Apologia Exploring Creation with Zoology 1* textbook (ISBN: 978-1-932012-61-3), *Apologia Exploring Creation with Zoology 1 JUNIOR Notebooking journal*, glue stick, pencils, markers/crayons, scissors.

**Class Fee:** \$10.00

**Copy Fee:** \$5.00

## Snap Circuits

2<sup>nd</sup> Period-Fall

**Homework:** N No weekly homework. May include an occasional light assignment

**Curriculum:** *Snap Circuits Student Guide Junior* (for the SC-100 set)

**Summary:** Following the "learning by doing" concept, electronics will be easy for students to understand by using Snap Circuits to build circuits as they learn about them. The class will construct projects each week learning about switches, lamps, motors, resistors, etc.

**Supplies Needed:** Pencils

**Class Fee:** None

**Copy Fee:** \$3.00

## Human Body

2<sup>nd</sup> Period-Spring

**Homework:** L \* Light (1-2 hours of homework)

**Curriculum:** *The Body Book*

**Summary:** Students will create paper models of several body systems, which will enable them to associate the name of a body part with what it looks like, where it is located in the body and what it does. We will place each of these models together on poster board to form a life size human body model with its organs and systems. We will be playing review games as time permits. This class will require the student to follow directions. They must label (some labeling will already be done), color, cut and tape together paper body parts.

**Supplies Needed:** glue stick, scissors, scotch tape, white glue or school glue, colored pencils or crayons, and fine tip black marker or erasable black ink pen (preferred).

**Class Fee:** \$8.00

**Copy Fee:** \$5.00

## E ¾ Phys. Ed.

3<sup>rd</sup> Period-Fall/Spring

**Homework:** N No weekly homework. May include an occasional light assignment

**Curriculum:** N/A

**Summary:** A physical education class that will include sports fundamentals and proper ball handling, group games, relays, etc. Included are opportunities to have a positive attitude toward exercise, learn appropriate stretching techniques, exposure to games not typical to homeschool students, and to learn good sportsmanship.

**Supplies Needed:** **SNEAKERS MUST BE WORN TO CLASS EACH WEEK.** Various sports equipment may be needed (but not required) such as basketballs, soccer balls, etc.

**Class Fee:** None

## PA History

4<sup>th</sup> Period-Fall

**Homework:** M \*\* Moderate (2-3 hours of homework)

**Curriculum:** *Pennsylvania Keystones: The History of a State and a Nation* by Susan Kemmerer, Schoolhouse Publishing

**Summary:** This class will include an overview of PA history, founding settlers, famous Pennsylvanians, symbols, wildlife and plant life, as well as an introduction to state and local government.

**Supplies Needed:** *Student Textbook: Pennsylvania Keystones: The History of a State and a Nation* by Susan Kemmerer (available at <http://shpublishing.com/pennsylvania-keystones-student-text.html>), 3-ring binder, pencil, colored pencils, glue stick, and scissors

**Class Fee:** \$5.00

**Copy Fee:** \$6.00

## World Geography

4<sup>th</sup> Period-Fall

**Homework:** L \* Light (1-2 hours of homework)

**Curriculum:** *Trail Guide to World Geography*

**Summary:** This class includes general geography elements, an overview of the world, and study of all 7 continents. This will include mapping activities, atlas usage, notebooking, and culture.

**Supplies Needed:** *Rand McNally Junior Classroom Atlas*, 3-ring binder, pencil, colored pencils

**Class Fee:** \$3.00

**Copy Fee:** \$2.00

## American Girl

4<sup>th</sup> Period-Spring

**Homework:** C \*\*\*\* Choice (Parent chooses between Light, Moderate, or Extensive options)

**Curriculum:** Various

**Summary:** Delve deeper into the lives of the American Girls. We will be looking at history, geography, values and more. We will complete a variety of projects and crafts. Students will be encouraged to read a book (or more) for the girl being studied. Parent and student can choose how many books they want to read.

**Supplies Needed:** American Girl books, folder, pencil, crayons or colored pencils, scissors, and a glue stick.

**Class Fee:** \$3.00

**Copy Fee:** \$3.00

## Hero Tales

4<sup>th</sup> Period-Spring

**Homework:** L \* Light (1-2 hours of homework)

**Curriculum:** *Hero Tales: A Family Treasury of True Stories from the Lives of Christian Heroes*

**Summary:** Delve deeper into the lives of 15 key Christian heroes with this unit study curriculum. Looking at history, geography, values, literary analysis, and more, we will complete a variety of projects. There will be required reading and assignments each week, as well as optional assignments you can do if you choose.

**Supplies Needed:** *Hero Tales: A Family Treasury of True Stories from the Lives of Christian Heroes*, pencil, crayons or colored pencils, scissors, and a glue stick.

**Class Fee:** \$5.00

## Art

5<sup>th</sup> Period-Fall

**Homework:** N No weekly homework. May include an occasional light assignment

**Curriculum:** N/A

**Summary:** In this class we will learn about the seven elements of art. There will be worksheets along with hands-on activities to reinforce these ideas. Students will be given a folder for their artwork.

**Supplies Needed:** None (supplied with class fee)

**Class Fee:** \$10.00

## Fun Math

5<sup>th</sup> Period-Fall

**Homework:** L \* Light (1-2 hours of homework)

**Curriculum:** Various

**Summary:** This class will provide opportunities for students to improve their understanding and recall of basic math facts and concepts. Class time will be spent on games and activities to make learning math facts fun! This is a supplemental class and should not be used as a core math class.

**Supplies Needed:** Pencils, crayons, markers or colored pencils

**Class Fee:** \$2.00

**Copy Fee:** \$3.00

## K'nex: Bridges

5<sup>th</sup> Period-Spring

**Homework:** N No weekly homework. May include an occasional light assignment

**Curriculum:** K'nex: Intro to Bridges

**Summary:** Students will spend a supervised period creating the bridges shown in the K'nex book. There will be free play time also.

**Supplies Needed:** K'nex Intro to Bridges set

**Class Fee:** None

**Copy Fee:** \$1.00

## Recorder

5<sup>th</sup> Period-Spring

**Homework:** E \*\*\* Extensive (Daily homework)

**Curriculum:** N/A

**Summary:** In this class the student will learn to name notes on the treble clef, identify rests, and play notes and simple melodies. They will also participate in 2-part playing and playing with an accompaniment CD. Daily practice is required and expected.

**Supplies Needed:** Recorder

**Class Fee:** \$5.00 for recorder (recorders will be provided on the first day of class; if your child comes with their own, the \$5 will be refunded by CHASE)

**Copy Fee:** \$3.00

## E5/6 [5th & 6th Grade]

CLASSES LISTED BY PERIODS

### BiblioPlan Year 1: Ancients

1<sup>st</sup> Period-Full Year

**Homework:** E \*\*\* Extensive (Daily homework)

**Curriculum:** BiblioPlan – Ancients

**Summary:** BiblioPlan allows the student to study world history intertwined with Biblical history, and geography. At the high school level, this course is equivalent to ½ credit each of World history and Geography. Students will be required to read chapters from the BiblioPlan Companion book at home each week, complete a corresponding map and complete 1-2 pages in an interactive notebook (a blend of creative pages and lapbooking) or mini-project. In class we will have discussion, watch video clips, do simulations, games, and some lecture. They will complete one project each semester, with a writing focus in their fall project and a speech and presentation focus in their spring project. Grades will be determined by projects, tests, and weekly homework.

**Supplies Needed:** *BiblioPlan Ancient History Companion* (may be used by multiple grade levels), *Ancient Hands-on Maps for Middles*, a 1 ½ inch binder, some notebook and printer paper, colored pencils, scissors, a pencil and an atlas or access to an online atlas/map. \*\*Note: There is a special co-op discount for the BiblioPlan materials (see below). Please contact Mrs. Arlena Myers (amyers1007@gmail.com) for details.

**Purchasing the required curriculum:** Pricing this curriculum is tricky as each family has the opportunity to select different options, and the number of orders we have determines our co-op discount. You can order e-books, which can be printed multiple times within one family, or hardcopies, or a combination of the two. Be advised that the text and the map books use color extensively. You won't want to print the text if you buy the electronic version. Arlena Myers will do a bulk printing of *Hands on Maps*.

- Each family will need 1 text, referred to as the “Companion”. These will not need to be brought to class. Pre-discount cost is \$37.95 e-book (from BiblioPlan.net). Or for \$47.45, a 1<sup>st</sup> edition hardcopy may be available from RainbowResource.com.
  - 5/6 May opt to purchase *Remember the Days* instead, an easier to read, simplified version of the text. I recommend this if your 5/6<sup>th</sup> grader will be reading independently.
  - A physical copy of the text is highly preferred and encouraged.
1. Each student needs a *Hands-on Maps* book, with weekly map assignments related to the reading for the week. Pre-discount cost: \$14.95 e-book/\$20.95 hardcopy for the Middle (used for 5<sup>th</sup> and 6<sup>th</sup> grade); \$16.95 e-book/\$22.95 hardcopy for Advanced (used for the Middle School and High School classes). Printing will cost about \$3 in black and white so you would save if you have more than one child/level. Color is somewhat helpful, and does make it more interesting for the student, but black and white is fine.

**Class Fee:** \$8.00 (\$150 for non-participating families)

**Copy Fee:** \$4.00

### U.S. Geography

1<sup>st</sup> Period-Full Year

**Homework:** E \*\*\* Extensive (Daily homework)

**Curriculum:** N/A

**Summary:** Students will go on a geography journey through all 50 states while developing research and map skills in this fun US Geography class.

**Supplies Needed:** Pencil, colored pencils, index cards, 2-inch, 3-ring binder

**Class Fee:** \$5.00

**Copy Fee:** \$10.00

## Phys. Ed.

2<sup>nd</sup> Period-Fall/Spring

**Homework:** N No weekly homework. May include an occasional light assignment

**Curriculum:** N/A

**Summary:** A physical education class that will include sports fundamentals and proper ball handling, group games, relays, etc. Included are opportunities to have a confident attitude toward exercise, learn appropriate stretching techniques, and for all students to discover areas where they personally excel. Good sportsmanship is encouraged and expected. This class can be taken for a full year or for just a semester. Fall classes focus on Soccer, football, lacrosse, obstacle courses and volleyball. Spring classes focus on basketball, hockey, track and field, general fitness, obstacle courses and volleyball.

**Supplies Needed:** SNEAKERS MUST BE WORN TO CLASS EACH WEEK, various sports equipment may be needed (but not required) such as basketballs, soccer balls, tennis racket, etc.

**Class Fee:** None

## Public Speaking 1: Creating and Presenting

2<sup>nd</sup> Period-Fall

**Class Size limit:** 10 students

**Homework:** L \* Light (1-2 days of homework)

**Curriculum:** N/A

**Summary:** This one semester class is designed to give students an introduction to creating and presenting their own works in a group setting. The creative aspect of the class will center around group activities that promote creative thought, the thoughtful exchange of ideas and feedback, free-writing, storytelling, and brainstorming. We will not be focusing on the mechanics of writing, but rather on the inspiration and discipline of allowing our creative brains to think outside of the box and work freely. This means that there will be no need for worries and insecurities about spelling, handwriting and general writing skills. The presentation aspect of the class will focus on giving students opportunity and exposure to speaking and presenting in front of a group. As a part of this, we will be taking time to cover the basics of effective oral communication, stage presence, and efficient delivery.

**Supplies Needed:** index cards and basic school supplies

**Class Fee:** \$5.00

**Copy Fee:** \$2.00

## Public Speaking 2: Preparation and Delivery

2<sup>nd</sup> Period-Spring

**Class Size limit:** 10 students

**Homework:** L \* Light (1-2 hours of homework)

**Curriculum:** N/A

**Summary:** This class will provide training in speech preparation and delivery. Students will regularly prepare oral presentation and receive encouraging and constructive feedback to help them grow in their public speaking skills. Various skills will be taught and practiced in class. Some presentations may require brief research at home, but nothing extensive.

**Recommended Prerequisite:** Public Speaking 1

**Supplies Needed:** index cards and basic school supplies

**Class Fee:** None

**Copy Fee:** \$2.00

## Apologia Zoology 3: Land Animals

3<sup>rd</sup> Period-Full Year

**Class size limit:** 12 students

**Homework:** E \*\*\* Extensive (Daily homework)

**Curriculum:** *Apologia Exploring Creation with Zoology 3* and Notebooking Journal

**Summary:** This third book in the zoology series takes students on a safari through jungles, deserts, forests, farms, and even their own backyard to explore, examine, and enjoy the enchanting creatures God designed to inhabit the

terrain. Students will discover the amazing animals from primates to parasites, kangaroos to caimans, and turtles to terrifying T-Rexes— this safari doesn't end there! Students will also keep a record of where each animal is found on a map and learn to identify animal tracks. Students will use the Notebooking Journal to record what they have learned. At the end of the course, the student will have a beautiful, memorable notebook complete with puzzles, lapbooks, drawings, and journaling! Class time will be spent reviewing the material read at home, sharing journal entries, and doing activities and games associated with the subject.

For the Learning Fair, we will be doing a display of a zoo. Each student will be assigned an exhibit to create for this display.

**Supplies Needed:** *Apologia Exploring Creation with Zoology 3* textbook (ISBN: 978-1-932012-85-9), *Apologia Exploring Creation with Zoology 3 Notebooking Journal* (ISBN: 978-1-935495-13-0), glue stick and/or tape runner, pencils, markers/crayons, scissors.

**Class Fee:** \$10.00

## Apologia Human Anatomy and Physiology

3<sup>rd</sup> Period-Full Year

**Class size limit:** 12 students

**Homework:** E \*\*\* Extensive (Daily homework)

**Curriculum:** *Exploring Creation with Human Anatomy and Physiology* textbook

We will not be using the notebooking journal, so please do not purchase one. Questions and activities will be handed out each week for homework!

**Summary:** This unique course explores the human body using engaging text, exciting activities, interesting experiments, and proven methods to help your students remember what they've learned. We cover many of the body's systems in depth. Each student will be expected to choose an organ and complete a diorama (small project) about that organ and present it to the class. Students will also work throughout the year making his/her own game about the human body for the learning fair. During the week, students will need to read the assigned text and complete assigned homework pages given out by the teacher. Class time will be devoted to reviewing the material read at home and doing activities and experiments. Check out the Apologia website ([www.apologia.com](http://www.apologia.com)) for some sample pages and more details.

**Textbook Needed by Student:** *Apologia Exploring Creation with Human Anatomy and Physiology* textbook (ISBN 978-1-935495-14-7)

**Supplies Needed** a 2-inch, 3-ring binder; glue stick, pencil, colored pencils, and scissors

**Class Fee:** \$8.00

## 5/6 Literature

4<sup>th</sup> Period-Fall/Spring

**Homework:** E \*\*\* Extensive (Daily homework)

**Curriculum:** Memoria Press Fifth Grade Literature

**Summary:** The goal of this course is to encourage a joy of reading, to draw out Christian themes and discuss them through a Biblical worldview, and to provoke discussions about the book and its characters. This will be accomplished using the study guides published by Memoria Press. In addition, students will engage in activities designed to reinforce the vocabulary covered in each book through the use of vocabulary flashcards and in-class games/quizzes. Students will also be expected to complete a fall semester project and a spring semester project. Further details will be provided in the course syllabus.

**Supplies Needed:**

*Heidi* by Johanna Spyri, ISBN: 9780141322568

*Heidi Literature Student Study Guide Second Edition*, ISBN: 9781615387953

*Lassie Come-Home* by Eric Knight, ISBN: 9780312371319

*Lassie Come-Home Literature Student Study Guide*, ISBN: 9781615380565

*The Lion, the Witch and the Wardrobe* by C.S. Lewis, ISBN: 9780064409421

*The Lion, the Witch and the Wardrobe Student Study Guide*, ISBN: 9781615380527

Sharpened pencils with erasers

Notecards

**\*Note:** Items can be purchased through [memoriapress.com](http://memoriapress.com), but are cheaper through [rainbowresource.com](http://rainbowresource.com)

## IEW Writing: Ancient-History Based

4<sup>th</sup> Period: Full Year

(Class size limit: 10 students)

**Homework:** E \*\*\* Extensive (Daily homework)

**Curriculum:** *Institute for Excellence in Writing Ancient History Based Writing Lessons, Fifth Edition*

**Summary:** In this yearlong course students will write about six major ancient civilizations—Sumer, Egypt, Israel, Babylon, Greece, and Rome—while working progressively through the nine IEW units and a variety of stylistic techniques. The Student Book includes assignments, blank outlines, source texts, checklists, vocabulary cards and quizzes, and grammar practice. The Teacher's Manual gives tips for creatively teaching each lesson, hints for grammar instruction, and more. \*\* Please note that this class entails extensive homework that must be overseen by the parent. The parent is expected to review all writing homework before it is handed in, and to give support and instruction as needed to complete the assignments. Students do NOT need prior instruction in the IEW writing methods to take this course.

**Supplies Needed:** Student Book for Ancient History IEW Writing ISBN: 978-1-62341-295-1 Note: We are using the Fifth Edition, printed January 2018. The Teacher Edition might be a helpful resource for you at home as you help your child, and can be bought in a combination package with the Student Book: ISBN: 978-1-62341-294-4.

Directions to assemble a Student Resource Notebook (along with a free download link) will be on the inside cover of your book, or you could buy one already assembled and bound from IEW.

<http://iew.com/shop/products/student-resource-notebook> (\$19.00)

**Class Fee:** \$5.00

**Copy Fee:** \$3.00

## No-Bake Cooking

5<sup>th</sup> Period-Fall & Spring

**Class size limit:** 8 students

**Homework:** N No weekly homework. May include an occasional light assignment

**Curriculum:** N/A

**Summary:** In this hands-on course, students will engage in a variety of no-bake cooking opportunities. The class will start off with discussing cooking basics such as measuring, mixing, and following directions. Then they will create or assemble various recipes. All recipes made will be compiled in a class cookbook at the end of the term. Students will be responsible to clean up after themselves and any dishes used in class. To offset cost, look for emails to bring food from time to time. (Note: The same course will be taught both semesters)

**Supplies Needed:** None

**Class Fee:** \$25

**Copy Fee:** \$1.00

## Cartooning/Comic Book Art

5<sup>th</sup> Period- Fall

**Homework:** L \* Light (1-2 hours of homework)

**Curriculum:** *How to Draw: Easy Techniques and Step-by-Step Drawings for Kids*, by Aaria Baid

**Summary:** Students will learn the basics of drawing lines, shapes and patterns which are the building blocks of cartooning and comic book making. They will also learn how to create animals, buildings, people and more out of these shapes, as well as learn to use color and shading to create more interesting drawings. At the end of the class, each student will have created their very own original comic.

**Supplies Needed:** Colored pencils, watercolor palette with brushes, Sharpie fine point black marker, General's Charcoal Drawing Set, (White/Black, Set of 4 Pencils and 1 Eraser), & a sketch book.

**Class Fee:** None.

**Copy Fee:** \$2.00

## Art: Principles of Design

5<sup>th</sup> Period- Spring

**Homework:** L \* Light (1-2 hours of homework)

**Curriculum:**

**Summary:**



**Supplies Needed:****Class Fee:****Copy Fee:** \$2.00**Fun Math****5<sup>th</sup> Period-Spring****Homework:** N No weekly homework. May include an occasional light assignment**Curriculum:** N/A

**Summary:** This class will provide opportunities for students to improve their understanding of various mathematical concepts, facts, and applications. Class time will be spent on worksheets, games, and activities to make math fun and practical. Part of the semester will be dedicated to conducting a “Your Business Math” store scenario, in which students “use their math knowledge to keep their very own store running and, hopefully, make a profit. Students will learn to write checks, figure sales tax, pay bills, and keep a bank account ledger current, all while practicing basic skills like addition, subtraction, and multiplication in a fun, game-like approach.”

This is a supplemental class and should not be used as a core math class.

**Supplies Needed:** pencil, colored pencils or crayons, scissors, glue stick**Class Fee:** \$3.00**Copy Fee:** \$2.00

## Middle School [7th & 8th grade]

### CLASSES LISTED BY PERIODS

**Study Hall:** Please be aware that students in the study hall **MUST** have work to do as no talking is permitted. In lieu of study hall, students may also be with their parent or serve as a teen helper in classes where they are needed. Students will need the approval of leadership to serve as a teen helper.

#### Phys. Ed.

#### 1<sup>st</sup> Period -Fall/Spring

**Homework:** N No weekly homework. May include an occasional light assignment

**Curriculum:** N/A

**Summary:** A physical education class that will include sports fundamentals and proper ball handling, group games, relays, etc. Included are opportunities to have a confident attitude toward exercise, learn appropriate stretching techniques and for all students to discover areas where they personally excel. Good sportsmanship is encouraged and expected. This class can be taken for a full year or for just a semester.

**Supplies Needed:** **SNEAKERS MUST BE WORN TO CLASS EACH WEEK**, various sports equipment may be needed (but not required) such as basketballs, soccer balls, tennis racket, etc.

**Class Fee:** None (For non-participating: \$90.00 Semester/ \$150.00 Full Year; \$90 Full Year with enrollment in other class(es))

#### Civics

#### 2<sup>nd</sup> Period-Fall

**Homework:** M \*\* Moderate (2-3 hours of homework)

**Curriculum:** *Our Constitution Rocks* by Juliette Turner

**Summary:** The Constitution is broken down clause by clause in a fun and relevant way. The excitement of the youthful author "breathes new life into an old document and reminds us why it remains one of the most important documents in world history".

**Supplies Needed:** None (textbook will be provided by CHASE)

**Class Fee:** \$5.00 (\$90 for non-participating families)

**Copy Fee:** \$5.00

#### MS Safety

#### 2<sup>nd</sup> Period -Spring

**Homework:** M \*\* Moderate (2-3 hours of homework)

**Curriculum:** Various resources

**Summary:** This class is intended to help meet the safety requirement under the PA homeschool law. We will use numerous resources. Homework will include weekly reading and answering questions. Topics covered include: Fire safety, food safety, weather safety, emergence preparedness, internet safety, first aid, and personal safety.

**Supplies Needed:** 3 ring binder/folder, notebook paper, and pencil.

**Class Fee:** \$3.00 (\$90.00 for non-participating families)

**Copy Fee:** \$2.00

#### MS Literature

#### 3<sup>rd</sup> Period-Fall/Spring

**Homework:** M \*\* Moderate (2-3 hours of homework)

**Curriculum:** Various Literature

**Summary:** This will be a lighter, low-key literature class. We will read a total of 4-5 books and focus on enjoying these books through discussion and worksheet activities. The booklist is subject to change (with the input of those families who register), but books may include:

- *The Cage: A Holocaust Memoir* by Ruth Minsky Sender
- *The Cay* by Theodore Taylor
- *Red Scarf Girl: A Memoir of the Cultural Revolution* by Ji-li Jiang

- *Roll of Thunder, Hear My Cry* by Mildred D. Taylor

Please let Marchael Gill know if your child is interested in this class, but has already read any of these books.

The goal is to encourage a joy of reading, to draw out Christian themes and discuss them through a Biblical worldview, and to provoke discussions about the book and its characters. At the end of each book, students will write a short paper discussing what they've learned about some core things we've discussed concerning that book and present it to the class.

\*Please note that we will be discussing some sensitive topics in this class. As the topics arise in our reading we will discuss them and apply the Word of God to what we are learning. These topics may include, but will not be limited to: racism, the Holocaust, peer pressure, depression, bullying and survival during difficult times and circumstances.

**Supplies Needed:** Folder and pencil or pen for each class. Books from booklist {to be announced}.

**Class Fee:** None (\$90 semester; \$150.00 for non-participating families)

**Copy Fee:** \$5.00

### Literary Analysis: Figuratively Speaking

3<sup>rd</sup> Period-Spring

**Homework:** L \* Light (1-2 hours of homework)

**Curriculum:** *Figuratively Speaking*

**Summary:** This class will draw on classic literature to illustrate the use of literary terms. We will cover hyperbole, metaphor, irony, imagery, dialect, plot, alliteration, onomatopoeia, allusion, conflict, and lots more! We will learn the definitions of the terms and see how they're used in an excerpt from classic literature. This class will have lots of discussion and fun activities to give the students an opportunity to use the literary terms they've learned about.

**Supplies Needed:** Folder or binder and pencil

**Class Fee:** None (\$90 for non-participating families)

**Copy Fee:** \$5.00

### General Science

4<sup>th</sup> Period-Full Year

**Homework:** E \*\*\* Extensive (Daily homework)

**Curriculum:** *Apologia Exploring Creation with General Science* Textbook, Tests and Solutions Manual, and Student Notebook, 3<sup>rd</sup> edition (2019)

**Summary:** This course is designed to be a student's first systematic introduction to the sciences. Using this brand-new textbook, we will cover such topics as the scientific method, astronomy, geology, paleontology, biology, general physics, environmental science and general chemistry. The course includes instruction on notetaking and writing a lab report. It will require that the student follow the daily syllabus and stay on track. Students should plan on spending approximately 30-45 minutes each day on General Science. Tests will be taken at home (monitored by parent) and will be turned in on Mondays for grading. There will also be occasional quizzes given in class. Each student will be asked to complete three learning fair projects for grading. The projects will come from a list given by the teacher on the first day of class.

**Supplies Needed:**

1. *Apologia Exploring Creation with General Science* Textbook 3<sup>rd</sup> edition (ISBN 9781946506276)
2. Solutions/Test Manual 3<sup>rd</sup> edition (ISBN 9781946506283) and
3. *Exploring Creation with General Science* 3<sup>rd</sup> edition Student Notebook (ISBN 9781946506306).

**These editions are newly published in 2019** - see <https://www.apologia.com/product/apologia-basic-set-general-science-3rd-edition/> or other sites to purchase this new version. Also needed for the class are a regular calculator, paper, and pencil.

**Class Fee:** \$5.00 (\$200.00 for non-participating families)

## Forensic Science

4<sup>th</sup> Period -Fall

**Homework:** M \*\* Moderate (2-3 hours of homework)

**Curriculum:** *Crime Scene Investigations: Real-life Science Labs* For Grades 6-12

**Summary:** Students will engage in activities in earth, life, and physical science as well as science inquiry, critical thinking, and technology. Like real-life forensic scientists, students will carefully observe, organize, and record data, think critically, and conduct simple tests to solve crimes like theft, dog-napping, vandalism and water pollution. The material covered in this class will be different from the course taught in the previous term.

**Supplies Needed:** Folder and pencil or pen.

**Class Fee:** \$10.00 (\$100 for non-participating families)

**Copy Fee:** \$3.00

## Arduino Electronics & Programming

4<sup>th</sup> Period-Spring

**Homework:** C \*\*\*\* Choice (Parent chooses between Light, Moderate, or Extensive options)

**Curriculum:** *Programing Arduino: Getting Started with Sketches*

**Summary:** Students will dive into the world of programing basic electronics using C Language basics using the Arduino interface. You will program and use technology to create microcontroller-based projects. No previous programing or electronics experience necessary. This is a basic course. You must have a laptop with a USB port and internet capabilities to upload the free, programming software.

**Supplies Needed:** Laptop, folder, Mega 2560 R3 or UNO Project Starter Kit (including 16 tutorials CD), and *Programming Arduino: Getting Started with Sketches, 2<sup>nd</sup> Ed* by Simon Monk

**Class Fee:** \$2.00 (\$100 for non-participating families)

**Copy Fee:** \$3.00

## BiblioPlan Year 4: Ancients

5<sup>th</sup> Period-Full Year

**Homework:** E \*\*\* Extensive (Daily homework)

**Curriculum:** BiblioPlan – *Ancients*

**Summary:** BiblioPlan allows the student to study world history intertwined with Biblical history, and geography. At the high school level, this course is equivalent to ½ credit each of World history and Geography. Students will be required to read chapters from the BiblioPlan Companion book at home each week, complete a corresponding map and complete 1-2 pages in an interactive notebook (a blend of creative pages and lapbooking) or mini-project. In class we will have discussion, watch video clips, do simulations, games, and some lecture. They will complete one project each semester, with a writing focus in their fall project and a speech and presentation focus in their spring project. Grades will be determined by projects, tests, and weekly homework.

**Supplies Needed:** *BiblioPlan Ancients Companion* (may be used by multiple grade levels), *Ancient Hands-on Maps for Middles*, a 1 ½ inch binder, some notebook and printer paper, colored pencils, scissors, a pencil and an atlas or access to an online atlas/map. \*\*Note: There is a special co-op discount for the BiblioPlan materials (see below). Please contact Mrs. Arlena Myers (amyers1007@gmail.com) for details.

**Purchasing the required curriculum:** Pricing this curriculum is tricky as each family has the opportunity to select different options, and the number of orders we have determines our co-op discount. You can order e-books, which can be printed multiple times within one family, or hardcopies, or a combination of the two. Be advised that the text and the map books use color extensively. You won't want to print the text if you buy the electronic version. Arlena Myers will do a bulk printing of *Hands on Maps*.

- Each family will need 1 text, referred to as the "Companion". These will not be used in class. Pre-discount cost is \$37.95 e-book (from BiblioPlan.net). Or for \$47.45, a 1<sup>st</sup> edition hardcopy may be available from RainbowResource.com.
  - 5/6 May opt to purchase *Remember the Days* instead, an easier to read, simplified version of the text. I recommend this if your 5/6<sup>th</sup> grader will be reading independently.

- A physical copy of the text is highly preferred and encouraged.
5. Each student needs a *Hands-on Maps* book, with weekly map assignments related to the reading for the week. Pre-discount cost: \$14.95 e-book/\$20.95 hardcopy for the Middle (used for 5<sup>th</sup> and 6<sup>th</sup> grade); \$16.95 e-book/\$22.95 hardcopy for Advanced (used for the Middle School and High School classes). Printing will cost about \$3 in black and white so you would save if you have more than one child/level. Color is somewhat helpful, and does make it more interesting for the student, but black and white is fine.

**Class Fee:** \$8.00 (\$150 for non-participating families)

**Copy Fee:** \$4.00

## **Jensen's Writing**

**5<sup>th</sup> Period-Full Year**

**Class size limit:** 10 students

**Homework:** E \*\*\* Extensive (Daily homework)

**Curriculum:** *Jensen's Format Writing* by Frode Jensen

**Summary:** This class will teach and practice various formats and organizational patterns in expository writing. The end result will be a logical paragraph or essay that makes a strong, clear point. Expository writing is writing that informs, clarifies or even persuades. The fall semester will focus on one paragraph assignments in the following formats: example, classification, definition, process, analogy, cause and effect, and comparison. We will work on topic sentences, continuity in the paragraphs, thesis statements and organization. The intention is to practice writing skills not research, so the class will be writing on similar topics that we will brainstorm in class. In the spring semester, we will write a book report and at least two 5 paragraph essays.

To expand vocabulary skills, common Greek and Latin roots will be practiced and tested.

**Supplies Needed:** *Jensen's Format Writing* by Frode Jensen (ISBN 978-0890519929), a binder, paper, and pencil.

**Class Fee:** \$2.00 (\$150.00 for non-participating families)

**Copy Fee:** \$2.00

# Middle School/High School [7th – 12th grade]

## CLASSES LISTED BY PERIODS

**Study Hall:** Please be aware that students in the study hall **MUST** have work to do as no talking is permitted. In lieu of study hall, students may also be with their parent or serve as a teen helper in classes where they are needed. Students will need the approval of leadership to serve as a teen helper.

### Algebra 1

1<sup>st</sup> Period-Full Year

**Homework:** E \*\*\* Extensive (Daily homework)

**Curriculum:** Math-U-See *Algebra 1*

**Summary:** This class will use *Algebra 1* published by Math-U-See, Inc. Math-U-See *Algebra 1* integrates text, DVD, and manipulatives to teach all basic algebra concepts. These include solving for an unknown; solving simultaneous equations by graphing, substitution, and elimination; square roots; and dividing polynomials.

**\*Prerequisite:** *Students must have completed Pre-Algebra.*

**Supplies Needed:** Math-U-See **Student Pack** (\$32) – includes Algebra 1 Student Workbook (ISBN 978-1-60826-032-4) and Tests AND **Instruction Pack** (\$57) – includes Instruction Manual (ISBN 978-1-60826-031-7) and DVD. This is available new only directly from Math-U-See at [www.mathusee.com](http://www.mathusee.com). If you purchase used, it must be the current edition (c2009).

**Class Fee:** None (\$150.00 for non-participating families)

**Copy Fee:** none.

### American Sign Language II

1<sup>st</sup> Period-Full Year

**Class Size limit:** 12 students

**Homework:** E \*\*\* Extensive (Daily homework)

**Curriculum:** *Signing Naturally*

**Summary:** This class will continue to develop skills in American Sign Language, and will require learning and practice activities at home throughout the week.

**Supplies Needed:** Student workbook/dvd set of *Signing Naturally* Units 7-12; ISBN: 978-1-58121-221-1, a 3-ring binder and notebook paper.

**Class Fee:** None (\$150.00 for non-participating families)

**Copy Fee:** \$2.00

### Cooking

1<sup>st</sup> Period-Fall & Spring

**Class size limit:** 8 students

**Homework:** N No weekly homework. May include an occasional light assignment

**Curriculum:** NA

**Summary:** The same cooking class will be offered in the Fall and Spring semesters. Students will be following recipes and actively preparing a wide variety of food. Recipes and ingredients will be kept simple. We will complete most of the recipes at co-op and students will be sent home with a sampling along with the recipe so they can create it again at home. I will try to incorporate what balanced meals should look like and some food nutrition guides as well. Students will be responsible to clean up kitchen and do the dishes used in class

**Supplies Needed:** Occasionally you will be asked to bring in recipe ingredients or cooking/baking utensils.

**Class Fee:** \$20.00 (Fall) and \$25 (Spring) (\$100.00 for non-participating families)

### Art of Argument

1<sup>st</sup> Period-Fall

**Homework:** M \*\* Moderate (2-3 hours of homework)

**Curriculum:** *The Art of Argument*

**Summary:** From billboards to college professors to politicians, false types of arguments are used everywhere. Learn to discern which arguments are valid and which are not with *The Art of Argument*. This class will teach

students to identify twenty-eight informal fallacies, using illustrations, review questions, advertisements, dialogue, and other real-world examples.

**Supplies Needed:** *The Art of Argument* (ISBN 978-1600510182)

**Class Fee:** None (\$90.00 for non-participating families)

## MS/HS Art Concepts

1<sup>st</sup> Period-Fall/Spring

**Homework:** L \* Light (1-2 days of homework)

**Curriculum:** N/A

**Summary:** Each student has their own personal artistic style and expression. Students will discover their own style, while fine tuning their skill, knowledge, and technique. We will go in-depth with the elements of art, art concepts, and art techniques. We will explore and learn line, shape, color, focal point, depth, movement, shading and so much more. We will use a variety of media on a number of different art projects. Student will gain confidence in their artistic ability while producing art that they love.

**Supplies Needed:** Colored pencils, crayons, water colors, pencils, scissors, and glue

**Class Fee:** \$10.00 (\$90.00 for non-participating families)

**Copy Fee:** \$1.00

## MS/HS Speech

1<sup>st</sup> Period-Spring

**Class Size limit:** 8 students

**Homework:** E \*\*\* Extensive (Daily homework)

**Curriculum:** The Institute for Excellence in Writing's *Speech Boot Camp*

**Summary:** This class will provide training in speech preparation and delivery. Students will prepare and deliver four speeches: Self-Introduction, Narrative, Descriptive, and Persuasive. Students will also receive instruction in effective speech delivery.

**Supplies Needed:** 3-ring binder and notebook paper.

**Class Fee:** \$4.00 (\$90.00 for non-participating families)

**Copy Fee:** \$2.00

## MS/HS Literature

2<sup>nd</sup> Period-Fall/Spring

**Homework:** M \*\* Moderate (2-3 hours of homework)

**Curriculum:** TBA

**Summary:** TBA. One possible booklist idea is to study the books in *The Wingfeather Saga* by Andrew Peterson.

**Supplies Needed:** TBA

**Class Fee:** None (\$90 semester; \$150.00 full-year for non-participating families)

**Copy Fee:** \$5.00

## Cooking

2<sup>nd</sup> Period-Fall & Spring

**Class size limit:** 8 students

**Homework:** N No weekly homework. May include an occasional light assignment

**Curriculum:** N/A

**Summary:** The same cooking class will be offered in the Fall and Spring semesters. Students will be following recipes and actively preparing a wide variety of food. Recipes and ingredients will be kept simple. We will complete most of the recipes at co-op and students will be sent home with a sampling along with the recipe so they can create it again at home. I will try to incorporate what balanced meals should look like and some food nutrition guides as well. Students will be responsible to clean up kitchen and do the dishes used in class.

**Supplies Needed:** Occasionally you will be asked to bring in recipe ingredients or cooking/baking utensils.

**Class Fee:** \$20.00 (Fall) and \$25 (Spring) (\$100.00 for non-participating families)

## MS/HS Art Concepts

2<sup>nd</sup> Period-Fall

**Homework:** L \* Light (1-2 days of homework)

**Curriculum:** N/A

**Summary:** Each student has their own personal artistic style and expression. Students will discover their own style, while fine tuning their skill, knowledge, and technique. We will go in-depth with the elements of art, art concepts, and art techniques. We will explore and learn line, shape, color, focal point, depth, movement, shading and so much more. We will use a variety of media on a number of different art projects. Student will gain confidence in their artistic ability while producing art that they love.

**Supplies Needed:** Colored pencils, crayons, water colors, pencils, scissors, and glue

**Class Fee:** \$10.00 (\$90.00 for non-participating families)

**Copy Fee:** \$1.00

## 7<sup>th</sup>-12<sup>th</sup> Grade Choir

2<sup>nd</sup> Period-Spring

**Homework:** L \* Light (1-2 days of homework)

**Curriculum:** N/A

**Summary:** This performing choir class will be for 7<sup>th</sup> through 12<sup>th</sup> grade students. In this class the students will learn vocal warm ups, the fundamentals of rhythm, harmony and melody, and they will be introduced to reading choral music and singing as a group choir. The choir ensemble will perform at the Learning Fair.

**Supplies Needed:** None

**Class Fee:** \$2.00 (\$90 for non-participating families)

**Copy Fee:** \$3.00

## MS/HS PA History

3<sup>rd</sup> Period -Fall

**Homework:** M \*\* Moderate (2-3 hours of homework)

**Curriculum:** *Pennsylvania State History* (2010 ed.) by Joy Dean

**Summary:** Study of Pennsylvania from colonial times to the present, including the diversity of its citizens, resources, map skills and state symbols, all presented through a Christian Perspective.

**Supplies Needed:** None (textbook and 3 ring binder, additional resources provided for in class fee)

**Class Fee:** \$30.00 (\$100 for non-participating families)

**Copy Fee:** \$5.00

## Chess

3<sup>rd</sup> period-Fall

**Homework:** N No weekly homework. May include an occasional light assignment

**Curriculum:** N/A

**Summary:** In this class students will learn all the various pieces and how they move, how to attack and how to defend, how to capture, and, crucially, how to give check and deliver checkmate. This class can be for beginners or experienced chess players.

**Supplies Needed:** None (Chess boards and pieces supplied by CHASE)

**Class Fee:** \$3.00 (\$90 for non-participating families)

## Microsoft Office

3<sup>rd</sup> Period-Fall

**Homework:** M \*\* Moderate (2-3 hours of homework)

**Curriculum:** *Teach Yourself Visually Office 2013*

**Summary:** This class will use this easy-to-use visual guide to cover the basics of the Microsoft programs Word, Excel, PowerPoint, Outlook, and Publisher, with step-by-step instructions and full-color screen shots showing what you should see at each step. Students MUST bring their laptops to class each week.

**Supplies Needed:** *Teach Yourself Visually Office 2013* (ISBN 978-1118517680), and a laptop computer with Office 2013 or newer loaded on it.

**Class Fee:** None (\$90 for non-participating families)



## Photography

3<sup>rd</sup> Period-Spring

**Homework:** M \*\* Moderate (2-3 hours of homework)

**Curriculum:** *Fundamentals of Photography*

**Summary:** We will be watching a video series together in class, from Great Courses called the *Fundamentals of Photography*. The class will receive photography challenges based on the specific skills we cover in class. The emphasis of this class will be to photograph and practice what they are learning. The students will be required to photograph 1 to 2 hours every week and submit their favorite work to our class's shared Google photo album. The class fee will cover getting selected photos printed.

**Supplies Needed:** Digital camera with aperture and shutter-speed options, camera cords or card reader and a home computer with internet access.

**Class Fee:** \$10.00 (\$90 for non-participating families)

## MS/HS Health

4<sup>th</sup> Period-Full Year

**Homework:** E \*\*\* Extensive (Daily homework)

**Curriculum:** *Gray's Anatomy Coloring Book*

**Summary:** This class will meet the goal of providing credit needed for the HS diploma. In class we will discover all the systems of the body. We will cover systems when they are "well" and cover illnesses of each system. There is no text book to read, but handouts will be provided for students to read on various topics and the above coloring book will be utilized to learn the anatomy of the systems. This class will cover male and female reproduction and diseases of this system including STD's. There will be one research project on a disease. This class could easily also count as a science credit.

**Supplies Needed:** *Gray's Anatomy Coloring Book* ISBN 978-0762440733, by Freddy Stark (available from Rainbow resource for \$8.75), colored pencils (recommend at least a 24 pack of colors or above), 1 inch 3 ring binder for handouts, lined notebook paper for note taking during class time.

Note: siblings taking the class may purchase one coloring book and make copies if they wish of assigned work.

**Class Fee:** \$5.00 (\$150.00 for non-participating families)

**Copy Fee:** \$12.00

## Cake Decorating

4<sup>th</sup> Period-Fall

**Class size limit:** 8 students

**Homework:** N No weekly homework. May include an occasional light assignment

**Curriculum:** N/A

**Summary:** Learn the basics of cake decorating using buttercream icing on a variety of projects. Students will be shown how to fill and use a decorating bag. We will practice lines, simple borders, letters, shapes and flowers. The final project for each student will be a decorated cake. This fun class is the beginning of creating amazing cakes and treats for family and friends. Students will be responsible to clean up the kitchen and do the dishes used in class.

**Supplies Needed:** Wilton Beginning Buttercream Decorating Set (20 Pieces), Wilton coupler 4pc set

**Class Fee:** \$22.00 (\$100.00 for non-participating families)

## The Truth Project

4<sup>th</sup> Period-Fall/Spring

**Homework:** M \*\* Moderate (2-3 hours of homework)

**Curriculum:** The Truth Project (Focus on the Family)

**Summary:** Truth is not simply an academic concept. The way we think about truth has a direct bearing upon the way we live our lives. What's more, our understanding of right and wrong is directly dependent on our worldview: Is the universe God's creation or a closed cosmic cube? The Truth Project during these weeks will help students to sort all of this out. Your future may depend on it. For more information please visit the website:

<http://www.thetruthproject.org/>

**Supplies Needed:** *The Truth Project Study Guide* from Focus on the Family

**Class Fee:** None (\$90.00 per semester for non-participating families; \$150 for the full year)

**Copy Fee:** \$1.00

## Physical Science

5<sup>th</sup> Period-Full Year

**Class Size limit:** 12 students

**Homework:** E \*\*\* Extensive (Daily homework)

**Curriculum:** *Apologia Exploring Creation with Physical Science* 3<sup>rd</sup> Edition

**Summary:** The course covers topics of the atmosphere, the hydrosphere, weather, the structure of the earth, environmentalism, the physics of motion, Newton's Laws, gravity, and the solar system. The math prerequisite for the class is 7th grade math. Each week students can expect some combination of reading and answering questions from the text, completing workpages and study guides in the notebook (1-2 pages) to reinforce the material, and writing a lab report or a lab summary. This requires that the student follow the daily syllabus and stay on track. Students should plan on spending approximately 30-45 minutes each day on Science. Tests will be taken at home (monitored by parent) and will be turned in for grading. There will also be occasional quizzes given in class.

**Supplies Needed:** {Note: We will be using the new, 3rd edition of the Apologia Physical Science curriculum being released in Spring 2020.} *Apologia Exploring Creation with Physical Science* textbook and Solutions/Test Manual, 3rd edition (ISBN TBD), 3rd edition Student Notebook, paper, pencil, and scientific calculator.

**Class Fee:** \$25.00 (\$200.00 for non-participating families)

**Copy Fee:** \$5.00

## Career Exploration

5<sup>th</sup> Period-Spring

**Homework:** M \*\* Moderate (2-3 hours of homework)

**Curriculum:** An online Occupational Education course

**Summary:** In this class, we will be discovering the person God made you to be through insightful assessments and conversations about your personality, skills, life values, and vocational interests. We will learn about different careers, develop resumes, and learn the interview process.

**Supplies Needed:** Laptop or tablet with ability to connect to wi-fi, and a small binder or folder with note paper.

**Class Fee:** None (\$90 for non-participating families)

**Copy Fee:** \$3.00



# High School [9th – 12th grade]

## CLASSES LISTED BY PERIODS

**Study Hall:** Please be aware that students in the study hall **MUST** have work to do as no talking is permitted. In lieu of study hall, students may also be with their parent or serve as a teen helper in classes where they are needed. Students will need the approval of leadership to serve as a teen helper.

### Intro to Programming

**1<sup>st</sup> Period-Full Year**

**Class size limit:** 12 students

**Homework:** L \* Light (1-2 days of homework)

**Curriculum:** *Will be provided by instructor*

**Summary:** Students will learn the basics of programming using C# and JavaScript, how to organize code, compile it, run it, and the basics of a good code editor. At the end of the course, they will have a TO DO app that they can use, and they'll understand how to modify it if they would like to add any features. They'll also have the resources necessary to continue learning more about programming if they choose to do so.

**Supplies Needed:** A laptop. It does not matter what OS they have.

**Class Fee:** None (\$90 for non-participating families)

**Copy Fee:** \$1.00

### HS Literature

**1<sup>st</sup> Period-Fall/Spring**

**Homework:** E \*\*\* Extensive (Daily homework)

**Curriculum:** *Teaching the Classics* by Adam and Missy Andrews

**Summary:** This English course will include literature, composition, editing and proofreading, and vocabulary development. It will provide literary analysis practice via discussion and essay-writing while building and exercising Christian discernment. In addition to reading the assigned literature, this course includes an oral report, multiple literary analysis essays (in the fall semester), a larger research paper (in the spring semester), tested vocabulary learning and a project.

**Supplies Needed:** {Subject to change} The teacher's selection of literature, some pertaining to the time period of Ancient History. Examples include: selections from *The Book of Genesis* from the *Holy Bible*, selections from *The Epic of Gilgamesh*, *Julius Caesar* by William Shakespeare, *Little Dorrit* by Charles Dickens, *The Great Divorce* by C.S. Lewis, *Murder on the Orient Express* by Agatha Christie, *The Importance of Being Earnest* by Oscar Wilde. Students will also need highlighters, pens, and either a 1-inch binder or space in a larger binder to add the provided worksheets and dividers for this class.

**Class Fee:** \$3.00 per semester (\$90 semester; \$150.00 full-year for non-participating families)

**Copy Fee:** \$1.00

### Accounting/Business Math

**2<sup>nd</sup> Period-Full Year**

**Class Size limit:** 12 students

**Homework:** E \*\*\* Extensive (Daily homework)

**Curriculum:** TBD

**Summary:** This class will explore the basics of Accounting, and also cover many practical math concepts and skills with a Business Math focus. There will be sufficient computation practice to count this course as a high-school math credit.

**Supplies Needed:** 3-ring binder and notebook paper.

**Class Fee:** None (\$150.00 for non-participating families)

**Copy Fee:** \$2.00

### Algebra 2

**2<sup>nd</sup> Period-Full Year**

**Homework:** E \*\*\* Extensive (Daily homework)

**Curriculum:** Math-U-See *Algebra 2*

**Summary:** This class will use *Algebra 2* published by Math-U-See, Inc. Math-U-See Algebra 2 integrates text, DVD, and manipulatives to teach all basic algebra concepts. These include solving for an unknown; solving simultaneous equations by graphing, substitution, and elimination; square roots; and dividing polynomials.

**\*Pre-Requisite: Students must have completed Algebra 1.**

**Supplies Needed:** *Math-U-See Algebra 2* copyright 2010: Student Text (ISBN# 978-1-60826-040-9) and Test Booklet (ISBN# 978-1-60826-041-6) AND Instructor Manual with Lesson Book and DVD (978-1-60826-039-3).

These are purchased together as the Student. If you purchase used, it must be the current edition (2010).

**Class Fee:** None (\$150.00 for non-participating families)

## Child Development

**2<sup>nd</sup> Period-Full Year**

**Homework:** E \*\*\* Extensive (Daily homework)

**Curriculum:** *Child Development: Early Stages through Age 12* 8<sup>th</sup> Ed.

**Summary:** Child Development is designed to focus on skills needed to guide the physical, intellectual, emotional, and social development of children. Students will learn about the stages of growth and development for children ranging from the fetal stage to age 12. During this class students will learn about ages and stages of a developing child, developmental theorists, and careers related to child development. Upon completion of this course, the student should be prepared to care for a developing child, as a childcare professional or in their own families. Course work will include: class work, group work, a portfolio, quizzes and small projects.

**Supplies Needed:** *Child Development: Early Stages through Age 12* 8<sup>th</sup> Ed. textbook (ISBN # 978-1631260384), 1 inch binder, Simple arts and crafts supplies as needed for small projects.

**Class Fee:** \$10.00 (\$150 for non-participating families)

**Copy Fee:** \$1.00

## BiblioPlan Year 4: Ancients

**3<sup>rd</sup> Period-Full Year**

**Homework:** E \*\*\* Extensive (Daily homework)

**Curriculum:** BiblioPlan – *Ancients*

**Summary:** BiblioPlan allows the student to study world history intertwined with Biblical history, and geography. At the high school level, this course is equivalent to ½ credit each of World history and Geography. Students will be required to read chapters from the BiblioPlan Companion book at home each week, complete a corresponding map and complete 1-2 pages in an interactive notebook (a blend of creative pages and lapbooking) or mini-project. In class we will have discussion, watch video clips, do simulations, games, and some lecture. They will complete one project each semester, with a writing focus in their fall project and a speech and presentation focus in their spring project. Grades will be determined by projects, tests, and weekly homework.

**Supplies Needed:** *BiblioPlan Ancients Companion* (may be used by multiple grade levels), *Ancient Hands-on Maps for Advanced*, a 1 ½ inch binder, some notebook and printer paper, colored pencils, scissors, a pencil and an atlas or access to an online atlas/map. \*\*Note: There is a special co-op discount for the BiblioPlan materials (see below). Please contact Mrs. Arlena Myers (amyers1007@gmail.com) for details.

**Purchasing the required curriculum:** Pricing this curriculum is tricky as each family has the opportunity to select different options, and the number of orders we have determines our co-op discount. You can order e-books, which can be printed multiple times within one family, or hardcopies, or a combination of the two. Be advised that the text and the map books use color extensively. You won't want to print the text if you buy the electronic version. Arlena Myers will do a bulk printing of *Hands on Maps*.

- Each family will need 1 text, referred to as the "Companion". These will not be used in class. Pre-discount cost is \$37.95 e-book (from BiblioPlan.net). Or for \$47.45, a 1<sup>st</sup> edition hardcopy may be available from RainbowResource.com.

- A physical copy of the text is highly preferred and encouraged.

7. Each student needs a *Hands-on Maps* book, with weekly map assignments related to the reading for the week. Pre-discount cost: \$14.95 e-book/\$20.95 hardcopy for the Middle (used for 5<sup>th</sup> and 6<sup>th</sup> grade); \$16.95 e-book/\$22.95 hardcopy for Advanced (used for the Middle School and High School classes). Printing will cost about \$3 in black and white so you would save if you have more than one child/level. Color is somewhat helpful, and does make it more interesting for the student, but black and white is fine.

**Class Fee:** \$8.00 (\$150 for non-participating families)

**Copy Fee:** \$4.00

## US Government

**3<sup>rd</sup> Period-Spring**

**Homework:** E \*\*\* Extensive (Daily homework)

**Curriculum:** *Abeka American Government* 3<sup>rd</sup> Ed.

**Summary:** This second semester class will follow the units of the Abeka textbook: “An inspiring look at the blessings we enjoy and the symbols we hold dear as American citizens. A fascinating study of the constitution, the government it established, and the rights and privileges it guarantees the American people.”

**Supplies Needed:** *Abeka American Government* 3<sup>rd</sup> Ed. textbook (#89281 or ISBN# 89281001) and Quiz and Test book (#89311), 2 inch binder.

**Class Fee:** \$5.00 (\$90 semester for non-participating families)

**Copy Fee:** \$7.00

## Psychology

**3<sup>rd</sup> Period-Full Year**

**Homework:** E \*\*\* Extensive (Daily homework)

**Curriculum:** *Psychology: A Christian Perspective*, High School Edition

**Summary:** This class is designed to introduce high school students to the study of the human mind and brain development. It also gives a Christian perspective to an often-times controversial topic.

**Supplies Needed:** *Psychology: A Christian Perspective*, High School Edition (ISBN #9780981558721) and a 3-ring binder.

**Class Fee:** None (\$150.00 for non-participating families)

**Copy Fee:** \$2.00

## Geometry

**3<sup>rd</sup> Period-Full Year**

**Homework:** E \*\*\* Extensive (Daily homework)

**Curriculum:** Math-U-See *Geometry*

**Summary:** This class will use *Geometry* published by Math-U-See, Inc., which integrates text and DVD to teach geometry concepts. It will cover topics such as points, lines, planes, angles, circles, triangles, quadrilaterals, Pythagorean Theorem, conic sections, proofs, and more.

**\*Prerequisite:** *Students must have completed Pre-Algebra and Algebra I*

**Supplies Needed:** Math-U-See **Student Pack** – includes Geometry Student Workbook (ISBN #978-1-60826-036-2) and Tests AND **Instruction Pack** – includes Instruction Manual (ISBN 978-1-60826-035-5) and DVD. If you purchase used, it must be the current edition.

**Class Fee:** None (\$150.00 for non-participating families)

**Copy Fee:** \$1.00

## Spanish 2

**3<sup>rd</sup> Period-Full Year**

**Homework:** E \*\*\* Extensive (Daily homework)

**Curriculum:** BJU *Spanish 1*

**Summary:** Spanish 1b continues to build on the foundation of Spanish; verb conjugation, calendar, time, numbers, people, descriptions, nationalities, family members, household objects, animals, sports, food, colors, cities, transportation, and clothing. Students will be able to talk about themselves and others in the present past and future tenses and carry on simple conversations. Students will learn how to ask and answer questions in Spanish

and give and follow directions. There will be one project due in the spring. **\*Prerequisite – Students must have taken the HS Spanish 1 class to enroll in Spanish 2.**

**Supplies Needed:** Pencil, 3-ring binder, BJU Spanish 1 2<sup>nd</sup> ed. Textbook (ISBN 9781606820612), BJU Spanish 1 Activity Manual (ISBN 1591661692), and DVD Lessons. Online-Rental of the DVD/download is recommended and can be found on the BJU website or at homeschool conventions

(<https://www.bjupresshomeschool.com/product/421735>)

**Class Fee:** \$10.00 (\$150.00 non-participating families)

**Copy Fee:** \$3.00

## Chemistry (lecture & lab)

4<sup>th</sup> – 5<sup>th</sup> Period-Full Year

**Homework:** E \*\*\* Extensive (Daily homework)

**Instructor:** Galen Hershey (Paid Instructor)

**Curriculum:** *Introductory Chemistry: A Foundation, 4<sup>th</sup> Edition* \* See note below\*

**Summary:** This course will be offered as a **2-period block** consisting of lecture during 4<sup>th</sup> period and labs during 5<sup>th</sup> period. The course covers all aspects of high school Chemistry including atomic structure, nomenclature, reactions, aqueous solutions, chemical composition, atomic theory, stoichiometry, chemical bonding, mass calculations, gases, solutions, orbitals, polarity and ionic bonding, Lewis structures, acids and bases, equilibrium, electrochemistry, oxidation and reduction reactions, radioactivity, and intro to organic and biochemistry. Classes consist of lectures, labs, and homework review. Students are assigned homework, lab reports and periodic take home tests. All chemicals, lab equipment and supplies will be provided.

**\*Math Prerequisite:** *This class requires the ability to manipulate equations. Students need to be strong in this area to be successful in this class. Students must have successfully completed Algebra I prior to taking this class.*

**Supplies Needed:** Students will need the textbook, *Introductory Chemistry: A Foundation, 4<sup>th</sup> Edition* (ISBN#: 978-0395955369). **CHASE owns a limited number of these textbooks; contact the class coordinator if you would like to request to borrow one for the year.** Students will also need a scientific calculator capable of logarithmic functions (No prior knowledge of logarithm functions is needed), a 3-ring binder with lined paper (for taking notes and homework problems), a pencil, and colored pencils.

**Class Fee:** \$225.00

## Spanish 1

4<sup>th</sup> Period-Full Year

**Homework:** E \*\*\* Extensive (Daily homework)

**Curriculum:** BJU Spanish 1 (Chapters 1-6)

**Summary:** Spanish 1 introduces students to beginning Spanish. Topics covered will include greetings, alphabet, calendar, time, numbers, people, descriptions, nationalities, family members, household objects, classroom objects and transportation. Students will be able to talk about themselves and others in the present tense and carry on simple conversations.

**Supplies Needed:** Pencil, 3-ring binder (for Spanish only) with 4 dividers, index cards, BJU Spanish 1 2ed. Textbook (ISBN 9781606820612), BJU Spanish 1 Activity Manual (ISBN 1591661692), and DVD Lessons. The DVD lessons include the needed textbook & activities manual so you don't need to buy them separately. Online-Rental of the DVD/download is recommended and can be found on the BJU website or at homeschool conventions (<https://www.bjupresshomeschool.com/product/421735>)

**Class Fee:** \$10.00 (\$150.00 for non-participating families)

**Copy fee:** \$3.00

## HS Literature

4<sup>th</sup> Period-Fall/Spring

**Homework:** E \*\*\* Extensive (Daily homework)

**Curriculum:** *Teaching the Classics* by Adam and Missy Andrews

**Summary:** This English course will include literature, composition, editing and proofreading, and vocabulary development. It will provide literary analysis practice via discussion and essay-writing while building and exercising Christian discernment. In addition to reading the assigned literature, this course includes an oral report,

multiple literary analysis essays (in the fall semester), a larger research paper (in the spring semester), tested vocabulary learning and a project.

**Supplies Needed:** {Subject to change} The teacher's selection of literature, some pertaining to the time period of Ancient History. Examples include: selections from *The Book of Genesis* from the *Holy Bible*, selections from *The Epic of Gilgamesh*, *Julius Caesar* by William Shakespeare, *Little Dorrit* by Charles Dickens, *The Great Divorce* by C.S. Lewis, *Murder on the Orient Express* by Agatha Christie, *The Importance of Being Earnest* by Oscar Wilde. Students will also need highlighters, pens, and either a 1-inch binder or space in a larger binder to add the provided worksheets and dividers for this class.

**Class Fee:** \$3.00 per semester (\$90 semester; \$150.00 full-year for non-participating families)

**Copy Fee:** \$1.00

## Apologia Biology

5<sup>th</sup> Period-Full Year

**Class size limit:** 12 students

**Homework:** E \*\*\* Extensive (Daily homework)- a minimum of one hour per day

**Curriculum:** Apologia *Exploring Creation with Biology*, 2<sup>nd</sup> Edition

**Summary:** This class provides a strong background in scientific method, the five-kingdom classification scheme, microscopy, biochemistry, cellular biology, molecular and Mendelian genetics, evolution, dissection, and ecosystems. It also provides a complete survey of the five kingdoms in Creation. This class does not contain a discussion of human anatomy and physiology. Dissection is included in the class. Science roots to accompany the course will be taught. Frequent quizzing will be included. **\*Note:** Quizzes need to have a passing grade to participation in dissections.

**Supplies Needed:** Apologia *Exploring Creation with Biology*, 2<sup>nd</sup> edition (ISBN 978-1-932012) text, Solutions and Test manual, and colored pencils – at least a 24 pack. The Companion CD-ROM is recommended, but not required.

**Class Fee:** \$30.00 (\$200.00 for non-participating families)

**Copy Fee:** \$5.00

## Phys. Ed

5<sup>th</sup> Period-Fall/Spring

**Homework:** N No weekly homework. May include an occasional light assignment

**Curriculum:** N/A

**Summary:** 10/40/10-10 minute warm-up before every class, 40 minutes of activity (basketball, football, soccer, dodge ball, etc.), 10 minutes of cool down and clean up time. Activities will vary depending on weather, indoor/outdoor activity, etc. We will do as much outdoor activity as possible. This class will do different things during the fall and spring semesters. We have divided it up so that students could sign up for just one semester or for the whole year.

**Supplies Needed:** Each student should bring a soccer ball when asked (usually 3 classes in the fall) **SNEAKERS MUST BE WORN TO CLASS, ANY STUDENT NOT WEARING SNEAKERS TO CLASS WILL NOT BE ALLOWED TO PARTICIPATE.**

**Class Fee:** None (For non-participating: \$90.00 Semester/ \$150.00 Full Year; \$90 Full Year with enrollment in other class(es))