

## Friends of Grace Homeschool Co-op Course Descriptions 2023-2024

**Table of Class Offerings by Hour (p=prior teacher permission must be arranged)**

Pg #	9:30 Classes	1	2	3	4	5	6	7	8	9	10	11	12
<a href="#">4</a>	Artists and Their Stories	x	x	x									
<a href="#">5</a>	U.S. Geography	x	x	x									
<a href="#">6</a>	LEGO Robotics	p	x	x	x								
<a href="#">7</a>	Beginner Chinese			x	x	x							
<a href="#">8</a>	Passport to the World				x	x	x						
<a href="#">9</a>	Physics Lab				x	x	x	p					
<a href="#">10</a>	PE 4 <sup>th</sup> - 6 <sup>th</sup> (7 <sup>th</sup> allowed)				x	x	x	x					
<a href="#">11</a>	Spanish					x	x	x	x				
<a href="#">12</a>	<i>A cappella</i> Singing and Music Theory							p	p	x	x	x	x
<a href="#">13</a>	Molding Metal, Igniting Imagination							x	x	x	x	x	x
<a href="#">14</a>	Beginner Photography								x	x	x	x	x
<a href="#">3</a>	Study Hall				x	x	x	x	x	x	x	x	x

Pg #	10:35 Classes	1	2	3	4	5	6	7	8	9	10	11	12
<a href="#">15</a>	God's Wonderful Animals	x	x	p									
<a href="#">16</a>	PE 1 <sup>st</sup> -3 <sup>rd</sup>	x	x	x									
<a href="#">17</a>	Let's Build	x	x	x									
<a href="#">18</a>	Christian Hero Biographies		x	x	x	p							
<a href="#">19</a>	Meet the Masters			x	x	x	p						
<a href="#">20</a>	Artistic Pursuits Drawing				x	x	x						
<a href="#">21</a>	Intro to Guitar				x	x	x	x	x				
<a href="#">22</a>	Blood, Bones, and Breath Sounds					x	x	x	x				
<a href="#">23</a>	Sewing Class							p	x	x	x	x	x
<a href="#">24</a>	Beginner's Shakespeare							x	x	x	x	x	x
<a href="#">25</a>	Intro to Economics									p	x	x	x
<a href="#">3</a>	Study Hall				x	x	x	x	x	x	x	x	x

<b>Pg #</b>	<b>11:35 Classes</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>
<a href="#"><u>26</u></a>	Five in a Row	x	x	x									
<a href="#"><u>27</u></a>	Elementary General Music	x	x	x	p								
<a href="#"><u>28</u></a>	Central American Travelers		x	x	x								
<a href="#"><u>29</u></a>	Astronomy		x	x	x	p							
<a href="#"><u>30</u></a>	American Sign Language				x	x	x	x	x	x	x	x	x
<a href="#"><u>31</u></a>	History of New England				x	x	x	p					
<a href="#"><u>32</u></a>	Ancient World					p	x	x	x				
<a href="#"><u>33</u></a>	Newsletter						x	x	x	x	x		
<a href="#"><u>34</u></a>	PE 7 <sup>th</sup> -12 <sup>th</sup>							x	x	x	x	x	x
<a href="#"><u>35</u></a>	Writing for God's Glory							x	x	x	x	x	x
<a href="#"><u>36</u></a>	Seeing the Story of the Hebrew Scripture								x	x	x	x	x
<a href="#"><u>3</u></a>	Study Hall				x	x	x	x	x	x	x	x	x

<b>Pg #</b>	<b>Younger Children</b>	
<a href="#"><u>37</u></a>	Kindergarten	5 by August 1, 2023
<a href="#"><u>38</u></a>	Preschool	Ages 3-5
<a href="#"><u>39</u></a>	Preschool and Kinder Gym	(required for Preschool and Kinders)
<a href="#"><u>40</u></a>	Toddlers	Ages 2-3
<a href="#"><u>41</u></a>	Nursery	Up to 2

## Hours 1, 2, and 3

### *Study Hall*

Study hall is available for grades 4-12 during all three hours of Co-op and is supervised by a parent assigned to that area. The official purpose is to provide a quiet area where students who need to complete regular schoolwork can study.

Occasionally Study Hall is provided for a class whose teacher is absent, in the event that there is no substitute available. Study Hall is also sometimes used as a disciplinary measure for students who come unprepared for their regular class. It is very rarely used for students who have been consistently disruptive in their class, though the preferred course of action in that case is to contact the parent and have them take charge of their own child.

Devices such as ipods, phones, and laptops are permitted during Study Hall, if they help a student focus, but electronic games and other distracting things are not. Computer usage must have a specific school purpose, not for games. The supervising parent in Study Hall has authority to request students put away or to confiscate offensive devices, to be returned at the end of the Co-op day. Food is not permitted during Study Hall.

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**Hour 1: 9:30-10:25**

## *Artists and Their Stories*

**Course Description:** We will learn about famous artists and their work, read fun picture books about their lives (such as *Camille and the Sunflowers* for Vincent Van Gogh or *Georgia in Hawaii* for Georgia O'Keeffe), and then create art inspired by the artist.

**Homework:** none

**Fee:** \$30 **Reason for Fee:** Supplies

**Required Supplies:** clothes that can get messy

**Grade Range:** 1<sup>st</sup>-3<sup>rd</sup>

**Class Limit:** 8

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**Hour 1: 9:30-10:25**

## *U.S. Geography*

**Course Description:** Students will begin by learning a few geography basics starting with where they are in the world (city—>state—>region—>country—>continent), compass directions, and how to read a map. We will also learn basics about our fifty states. We will reinforce what we learn with songs, maps, games, puzzles, and other hands-on activities.

**Homework:** none

**Fee:** \$25 **Reason for fee:** printing maps, folders, activities

**Required Supplies:** none

**Grade Range:** 1<sup>st</sup>-3<sup>rd</sup>

**Class Limit:** 12

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**Hour 1: 9:30-10:25**

## *Lego Robotics*

**Course Description:** Each year in August FIRST LEGO League Explore releases a new Challenge for teams that focuses on a scientific topic. Teams are sent on a journey of discovery to learn all about the topic, then present their findings in the form of a team poster and a LEGO model that moves.

**Homework:** We may meet outside of co-op to attend FIRST Lego League events/competition.

**Fee:** \$100 (possible need for an additional collection during the year depending on team expenses and number of team members.)

**Reason for Fee:** FIRST team registration and purchasing required kits.

**Required Supplies:** 3 ring binder, paper, pencils

**Grade Range:** 2<sup>nd</sup>-4<sup>th</sup>, 1<sup>st</sup> by permission

**Class Limit:** 10

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**Hour 1: 9:30-10:25**

## *Beginner Chinese*

**Course Description:** Students will learn to speak, write and read Chinese (Mandarin) as well as learn a bit about the culture and geography of China through the reading of children's books, videos, games, etc.

**Homework:** review of the material covered in class and/or watch some videos to reinforce new vocabulary taught, about 15-30 minutes/ day.

**Fee:** \$20 **Reason for Fee:** paper and craft supplies, ethnic food

**Required Supplies:** Pencil/pen and eraser, notebook

**Prerequisites:** None, but a willingness to practice speaking and writing Chinese in class

**Grade Range:** 3<sup>rd</sup>-5<sup>th</sup>

**Class Limit:** 10

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**Hour 1: 9:30-10:25**

## *Passport to the World*

**Course Description:** Join us as we travel the world. We will take our passports and explore the 7 continents. Using the Passport to the World by Masterbooks as our guide we will “travel” from city to city and learn about different parts of our world and the people and cultures that make each place unique. The class will include arts and crafts, videos, readings, map work, language studies, an exploration of our own personal origins and more.

**Homework:** None

**Fee:** \$50 **Reason for Fee:** Individual copies of Passport to the World book, craft supplies, print outs, etc.

**Required Supplies:** Colored pencils

**Grade Range:** 4<sup>th</sup>- 6<sup>th</sup>

**Class Limit:** 15

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**Hour 1: 9:30-10:25**

## *Physics Lab*

**Course Description:** Fun, hands-on exploration of the laws which govern our universe using the Socratic method. Students will perform experiments which demonstrate principles of physics. By answering questions, they will learn to express those principles.

**Homework:** There will be videos and worksheets and reading outside of class as well as a project. Expect 1-2 hours of homework per week.

**Fee:** \$60 **Reason for Fee:** For lab supplies, materials, and copies.

**Required Supplies:** Each student should have a notebook and a three ring binder for the class.

**Grade Range:** 4<sup>th</sup>- 6<sup>th</sup> ; 7<sup>th</sup> by permission

**Class Limit:** 12

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**Hour 1: 9:30-10:25**

## *Physical Education, 4<sup>th</sup>-6<sup>th</sup> (7<sup>th</sup> allowed)*

**Course Description:** Fitness, fun, and fellowship through team games such as Ultimate Frisbee, soccer, basketball, dodgeball, capture the flag, etc. **Note: 7<sup>th</sup> graders are welcome to enroll in this gym section or the older gym section.**

**Homework:** sometimes fitness challenges

**Fee:** \$5 **Reason for Fee:** upgrading equipment

**Required Supplies:** dress for the weather

**Grade Range:** 4<sup>th</sup>-7<sup>th</sup> (note: 7<sup>th</sup> grade may also elect older gym section)

**Class Limit:** none

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## Hour 1: 9:30-10:25

# Spanish

**Course Description:** Join us as we have fun learning Spanish! Students will learn to:

- \*Meet and greet someone, talk about themselves, and ask other about themselves
- \*Speak, read, write, and understand full sentences using vocabulary, verbs and grammar useful in everyday life
- \*Ask and answer questions in full sentences
- \*Have short conversations about various topics
- \*Write or tell short stories with a theme
- \*Conjugate and use verbs in context as well as figure out how to conjugate new verbs based on what they know
- \*Give and follow instructions
- \*Participate in games and activities using only Spanish
- \*Pronounce with skill

Homework: 15-30 minutes per day

Fee: \$40 Reason for Fee: Curriculum and workbooks

Required Supplies: none

Grade Range: 5<sup>th</sup>-8<sup>th</sup>

Class Limit: 12

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**Hour 1: 9:30-10:25**

## *A cappella Singing and Music Theory*

**Course Description:** My hope is that students could better read a hymnal, carry a tune, harmonize, and improve their voice. There is limited time in a Friday-only coop year, but it should be possible to grow in these areas.

Content/capability would cover three broad areas:

### Basic Music Theory

- \* Scales, major/minor keys, chord progressions, time, and how to read music in treble & bass clefs
- \* Theory focus is limited to preparation for singing and sight singing, not composition, music history/appreciation or non-standard clefs, etc.

### Voice Control

- \* Training Ear (pitch, intonation, harmony, partials)
- \* Voice (part/range, resonance, tone quality, articulation/sound)
- \* Breathing (diaphragm, when to breath).

### 4-part+ A cappella singing

- \* Singing various parts and learning to hear different parts of a chord; blending with other singers.
- \* Learn to sing and sight-sing hymns
- \* Learn and Perform more complex selections depending upon the capabilities of the class.

**Prerequisites:** Awareness of pitch (or strong commitment to learn)

**Homework:** Daily Practice (10 - 30 minutes)

**Fee:** \$25 **Reason for Fee:** Student Books and copies, etc.

**Required Supplies:** none

**Grade Range:** 9-12; 7<sup>th</sup> and 8<sup>th</sup> by permission

**Class Limit:** 12

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**Hour 1: 9:30-10:25**

## *Molding Metal, Igniting Imagination*

**Course Description:** Metal clay is powdered metals formed into clay using organic bonding materials. The firing process burns out the bonding materials and fuses the metal together. Students will learn various techniques for working with this unique medium. We will also delve into elements of art and principles of design to create pieces that demonstrate careful consideration, planning and execution. Projects, such as custom jewelry, board game tokens, fantasy inspired coins, and wax seal stamps, will be made in copper or bronze. Fine silver clay may be made available for those desiring to use it for the final project at an additional cost.

**Homework:** Periodic design plans will be started in class and may need to be completed at home.

**Fee:** \$130 (possible additional costs may arise depending on the students' clay consumption) **Reason for Fee:** Fees will cover a sketchbook, various tools, metal clays, finishings, etc.

**Required Supplies:** Form fitting disposable gloves.

**Grade Range:** 7<sup>th</sup>-12<sup>th</sup>

**Class Limit:** 12

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**Hour 1: 9:30-10:25**

## *Beginner Photography*

**Course Description:** This photography course is geared toward beginner students who want to learn to shoot with and have full control of a DSLR camera. Students will learn how to meter in-camera (photograph an image in different lighting conditions) and to control exposure and white balance (proper or creative color of an image,) while making informed decisions about ISO, shutter speed, and aperture in order to achieve their creative vision. The course will cover: understanding the exposure triangle, using your camera's meter, evaluating a histogram, elements of photography such as perspective, different types of lighting, and creative shooting such as shooting with a prism. This course is not only a photography course, but a journey about one's role in beautifying this world and in being a light for Christ through photography. We will read excerpts from an inspirational book called the "Creative Flight" from Chris Orwig, to foster creativity and reflection concerning our style and purpose with this artistic craft.

**Homework:** Weekly photo assignments, reviewing of pdfs that cover the material we learn in class, assigned reading

**Fee:** \$50 **Reason for Fee:** Mattes and picture copies for the end of the year presentation night, photocopies

**Required Supplies:** DSLR camera and at least one lens. A Canon is recommended but not required and if one lens is only afforded; a Canon 50mm 1.8 lens or if one has a Nikon, a 50mm 1.8 Nikon lens is suggested. Kit lenses do not allow as much light in and are of lower quality, but will work for this class. If one is buying a used or new camera, I recommend Hunts Camera in Melrose, MA and Manchester, NH. Hunts offers great used camera deals.

**Grade Range:** 8-12

**Class Limit:** none

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**Hour 2: 10:35-11:30**

## *God's Wonderful Animals*

**Course Description:** In this class, students will learn the characteristics of different animals and how to classify them into groups based on those characteristics. Various videos will be seen showing the natural habitat of mammals, insects, birds, fish, reptiles, and amphibians in national parks across the United States. They will study stories of animals in the Bible and will be expected to classify each animal into its group based on their characteristics. At the end of the course, students will have a better understanding of animal classification using Bible stories and other books on animals. Sources will include the Bible, Exploring Creation Series by Jeannie Fulbright, and other books.

**Homework:** Occasional worksheets

**Required Supplies:** None

**Fee:** \$20 **Reason for Fee:** Supplies for experiments, notebooks, etc.

**Grade Range:** 1<sup>st</sup>-2<sup>nd</sup>, 3<sup>rd</sup> by permission

**Class Limit:** 10

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**Hour 2: 10:35-11:30**

## *Physical Education 1<sup>st</sup>-3<sup>rd</sup>*

**Course Description:** Students will develop basic athletic skills to help them in sports and recreational game play. We'll start each week with a meeting time and monthly Bible verse, followed by warm-ups with jogging and stretching. We will then play a variety of playground games and lead-up activities to sports play. Sportsmanship and godly character will be a major goal of curriculum and play. Children will be nurtured to cultivate humility and empathy, learning to rejoice with others and graciously accept their current state of progress.

**Homework:** None.

**Required Supplies:** water bottle, sneakers, and appropriate clothes

**Fee:** \$10 **Reason for Fee:** gym equipment

**Grade Range:** 1<sup>st</sup>-3<sup>rd</sup>

**Class Limit:** 20

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**Hour 2: 10:35-11:30**

## *Let's Build*

**Course Description:** Students will work with Lego to develop personal and relational skills plus also have fun. Students will be challenged with specific building tasks. Students will have the opportunity to work independently, with partners and with small groups. Students will gain the ability to explain their work to the group.

**Prerequisite:** Students must be able to follow instructions and work cooperatively with others.

**Homework:** We will ask one student to bring in a “show and tell” build each week.

**Fee: \$20 Reason for Fee:** Money will be used to purchase current Lego sets that will aid in enhanced builds.

**Grade Range:** 1<sup>st</sup>-3<sup>rd</sup>

**Class Limit:** 12

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**Hour 2: 10:35-11:30**

## *Christian Hero Biographies*

**Course Description:** Based on The Heroes for Young Readers series, this class will expose students to the life stories of various Christian heroes such as Gladys Aylward, Adoniram Judson, Betty Greene, Hudson Taylor, Amy Carmichael, George Mueller, Corrie Ten Boom, etc. Activities will include read alouds, coloring/rhyme/crossword pages, maps, flags, character qualities, and a craft related to each hero or to the featured country in the biography. Examples of character qualities connected to each hero are leadership, courage, diligence, kindness, helpfulness, generosity, service, etc.

**Homework:** none

**Fee:** \$10 **Reason for Fee:** Craft Supplies

**Required Supplies:** none

**Grade Range:** 2<sup>nd</sup>-4<sup>th</sup>; 5<sup>th</sup> by permission

**Class Limit:** 10

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**Hour 2: 10:35-11:30**

## *Meet the Masters*

**Course Description:** Meet the Masters is an exciting art program that brings famous artists to life for children! Students will learn about the life and art of various artists. They will practice techniques unique to each artist and create an artwork of their own inspired by the current artist. The class will follow a two-week rotation. The first week will be an artist presentation and technique worksheets. The second week will be a project inspired by the artist.

**Prerequisites:** Students should be prepared to listen and participate in a 30-minute presentation and to carefully follow project instructions.

**Homework:** none.

**Fee:** \$40 **Reason for Fee:** Curriculum, licensing fee, copies, art supplies

**Required Supplies:** none.

**Grade Range:** 3<sup>rd</sup>-5<sup>th</sup> , 6<sup>th</sup> by permission

**Class Limit:** 12

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**Hour 2: 10:35-11:30**

## *Artistic Pursuits Drawing*

**Course Description:** Students will learn to draw more realistically using graphite pencils, white pencils, and black markers. They will focus on the elements of art when drawing: line, space, shape, texture, value, and form (animal, human, man-made forms). They will learn to see the elements of art in nature and in artwork by American masters. They will learn the techniques that artists use and produce final works that require assimilation of the knowledge gained.

**Homework:** Students will be given weekly drawing prompts and encouraged to bring in drawings done at home using the drawing techniques learned in class.

**Fee: \$50 Reason for Fee:** The fee will be used for all the art supplies needed by the students throughout the year.

**Required Supplies:** none

**Grade Range:** 4<sup>th</sup>-6<sup>th</sup>

**Class Limit:** 12

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**Hour 2: 10:35-11:30**

## *Intro to Guitar*

**Course Description:** Intro to Guitar is designed to provide a beginner level understanding of the instrument. The course will start out with the learning of the names of the different parts and basic chords. After that we'll learn songs, strumming patterns, and finger picking. At the end of the course students should be able to continue with their own education as they will have a good basis in their skills.

**Homework:** Homework will be light during the week. The plan is that the student will practice their guitar two to three times a week for at least 15 minutes to hone the skills we learn in class.

**Fee: \$20 Reason for Fee:** The money will be used to provide a guitar tuner, 3-ring binder, and sheet music for each student.

**Required Supplies:**

**Grade Range:** 4<sup>th</sup>-8<sup>th</sup>

**Class Limit:** 10

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**Hour 2: 10:35-11:30**

## *Bones, Blood, and Breath Sounds: Clinical Anatomy for Kids*

**Course Description:** How does a cut heal? Why do we breathe without thinking about it, and what's all that stuff in the pediatrician's office? This course will cover basic anatomy and physiology using familiar clinical experiences as a springboard. Students will listen to heart and lung sounds using stethoscopes, view cells under the microscope, learn basic first aid, and more. Course is very hands on and interactive, with emphasis on discussing questions. Taught by a physician.

**Homework:** none

**Fee:** \$60 **Reason for Fee:** To purchase stethoscopes, incentive spirometers, first aid kit materials, and a course book for each student

**Required Supplies:** Will be given a course book to bring every week

**Grade Range:** 5<sup>th</sup>-8<sup>th</sup>

**Class Limit:** 10

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**Hour 2: 10:35-11:30**

## *Sewing Class*

**Course Description:** We will cover some hand sewing (English paper piecing) as well as using the sewing machine to make projects such as a zipper pouch, pincushion, and throw pillow cover.

**Homework:** working on projects outside of class while not required is encouraged to increase the number of projects that can be completed in the year

**Fee:** \$75 (excess will be returned if not all the money is spent)

**Reason for Fee:** fabric, needles, thread, zippers, and other supplies and notions

**Required Supplies:** A folder for handouts; Sewing machine with needles, thread, and bobbins (in good working order, may need to be brought to class some days, please contact me if you have a student who would like to take the class but does not have a machine as I may have one they can borrow); fabric scissors; iron (at home); thimble (I will try to have a variety of thimbles for students to try in the first few weeks of class so this does not need to be purchased before class starts). Some fabric will be provided but students may wish to purchase their own for certain projects.

**Grade Range:** 8<sup>th</sup>-12<sup>th</sup> ; 7<sup>th</sup> by permission

**Class Limit:** 8

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**Hour 2: 10:35-11:30**

## *Beginner's Shakespeare*

**Course Description:** Why is Shakespeare still so popular after all these years? Come and find out! We'll discuss his plays, work together to interpret his writings, and memorize lines so we can perform some of his works. Whether you know a little about Shakespeare or nothing at all, it will be a lot of fun!

**Homework:** Reading, memorization/an hour or two per week

**Fee:** \$40 **Reason for Fee:** Copies, book, performance accessories

**Required Supplies:** Notebook and pencil

**Grade Range:** 7<sup>th</sup>-12<sup>th</sup>

**Class Limit:** 10

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**Hour 2: 10:35-11:30**

## *Intro to Economics*

**Course Description:** Students will learn about how human beings make choices in the market place of life as they discover the foundational roles of property rights, the rule of law, limited government, and liberty. Basic economic principles will be explored, including supply and demand, inflation, recession, incentives, debt, margins, trade, profit, and free trade. Adapted from Oikonomia: Economics for Life and Purpose with digital resources drawn from the Common Sense Economics website, this course will prepare students to articulate the principles of economic freedom as understood by the Founding Fathers.

**Prerequisites:** Read *The Law* by Bastiat prior to the first day of class

**Homework:** Students will read selections from the required texts, answer discussion questions, study for quizzes and tests, and write and present a five-minute oral presentation. Some reading material will be printed at home from the internet. Average weekly homework will be 1.5 hours.

**Fee:** \$20 **Reason for Fee:** Curriculum, copies, and other resources

**Required Supplies:**

\**Common Sense Economics* by Gwartney, Stroup, Lee and Ferrarini, c. 2010 or c. 2016

\**Money, Greed and God* by Jay Richards, c. 2010

\**Whatever Happened to Penny Candy* by Richard Mayberry

\*Notebook or 3-ring binder and loose-leaf paper;

\*Students may choose to purchase the Oikonomia workbook from the econ4life website, but this is optional.

**Grade Range:** 10<sup>th</sup>-12<sup>th</sup> ; 9<sup>th</sup> by permission

**Class Limit:** 15

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**Hour 3: 11:35-12:30**

## *Five in a Row*

**Course Description:** Enjoy classic children's literature by reading and discussing the same book at least twice and creating projects and doing activities that pertain to the content of the book! Sing some songs, perhaps eat some snacks, enjoy learning together!

**Homework:** none

**Required Supplies:** A backpack or bag to take things home in.

**Fee:** \$20 **Reason for Fee:** Supplies for age-appropriate crafts and projects

**Grade Range:** 1<sup>st</sup>-3<sup>rd</sup>

**Class Limit:** 14

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**Hour 3: 11:35-12:30**

## *Elementary General Music*

**Course Description:** Elementary students will learn beginning ukulele, enjoy singing and moving together, and learn about various music topics and techniques! Practicing the ukulele at home will be encouraged, but not required. Your child's quantity and quality of at-home practice will directly correlate with their progress on the ukulele. Elementary students need a parent to help them learn how to practice effectively. 3 10-minute sessions weekly will produce good progress!

**Homework:** Not required, but ukulele practicing is strongly encouraged.

**Fee:** \$10 **Reason for Fee:** Copies and handouts

**Required Supplies:** Students are required to own a ukulele (soprano is recommended but concert is acceptable), a bag, and a tuner. If you need any/all of these items a kit is a great way to obtain them. Here are two options:

<https://tinyurl.com/fctj6px3> or <https://tinyurl.com/3264kvts>

More can be spent on a higher quality instrument, as you wish!

**Grade Range:** 1<sup>st</sup>-3<sup>rd</sup> ; 4<sup>th</sup> by permission

**Class Limit:** 10

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**Hour 3: 11:35-12:30**

## *Central American Travelers*

**Course Description:** Come and have fun while we travel through the seven countries that make up Central America! We will explore culture, religion, geography, and even learn some Spanish words. This class will have hands on learning with fun crafts and songs. (Lori served as a missionary in Honduras for 4 years and speaks fluent Spanish. She will have a lot of experiences and stories to share with the class. Dawn has also traveled to Guatemala.)

**Homework:** none

**Fee:** \$15 **Reason for Fee:** craft supplies, copies, binders

**Required Supplies:** pencil, colored pencils/markers

**Grade Range:** 2<sup>nd</sup>-4<sup>th</sup>

**Class Limit:** 10

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**Hour 3: 11:35-12:30**

## *Astronomy*

**Course Description:** This astronomy program covers constellations, the motion of the earth, and the names of stars, as well as the sky as seen throughout all the seasons, including the “Summer Triangle” and the fall and winter zodiacs. Each student will receive a workbook that we will work in throughout the year. We will also have each child create their own solar system display board. We will start with an overview of Astronomy and then cover our solar system. We will then cover the stars and constellations seen throughout winter, spring, and summer-fall. Please note: The workbook does reference D'Aulaires' Book of Greek Myths since most of the planets and constellation names have their origin there. (We will also be reading some of the myths as time allows. Please reach out if you would like a list of the included stories in order to read them ahead of time.) Optional: I have tests including a final that we will not be doing at co-op but if desired, I could send home for parents to proctor.

**Homework:** none

**Fee:** \$35 **Reason for Fee:** Each student will receive a workbook with all the information and worksheets included. We will also create small individual solar system boards.

**Required Supplies:** Pencils

**Grade Range:** 2<sup>nd</sup>-4<sup>th</sup> ; 5<sup>th</sup> by permission

**Class Limit:** 12

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**Hour 3: 11:35-12:30**

## *American Sign Language*

**Course Description:** We will explore the history, culture and language cherished by the Deaf community. Children will gain basic ASL understanding and skills through various games and exercises. In addition, we will cover some fun elements where language is brought to life. What does Deaf story telling look like? What is there to joke about? How does artistic liberty shape sign language in song?

**Homework:** Practice is encouraged.

**Fee:** \$40 **Reason for Fee:** Fee covers materials, print outs, laminating, game pieces, etc.

**Required Supplies:** None

**Grade Range:** 4<sup>th</sup>-12<sup>th</sup>

**Class Limit:** 12

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**Hour 3: 11:35-12:30**

## *History of New England*

**Course Description:** Let's explore New England! This part of the world has a long and rich history. From native people groups of the past (before it was called New England!), to European exploration, to the founding of the United States, and up to modern times, so many unique and interesting things have happened and continue to center in this part of the world. This class will use a variety of projects and opportunities, and incorporate some student reports, plus optional field trips, during the year. It can also be credited as state history study in your own homeschool programs.

**Homework:** Typically less than an hour per week of homework, more may be needed surrounding personal reports. There will also be suggestions of optional activities to do at home (like trying some classic NE recipes!)

**Fee:** \$50 **Reason for Fee:** Class materials for hands-on activities

**Required Supplies:** Field trips will be a separate expense, and will vary by destination. Various biographies or books on the class theme will be recommended during the year, which would also be separate.

**Grade Range:** 4<sup>th</sup>-6<sup>th</sup> ; 7<sup>th</sup> with permission

**Class Limit:** 12

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**Hour 3: 11:35-12:30**

## *Ancient World (Or What Have the Romans Ever Done for Us?)*

**Course Description:** This class will cover the ancient civilizations of Summer, Egypt, Greece, and Rome. We will examine ancient Sumerian texts next to Old Testament texts, read selections from the great Greek epics, marvel at the wonders of the pyramids and ancient temples, argue with the Greek philosophers, and trace our faith as it spreads across the Roman empire in the wake of Christ's resurrection. We would meet the movers and shakers of history - Pericles, Themistocles, Alexander the Great, Socrates, Aristotle, Julius Caesar, Caesar Augustus, St. Paul, St. Augustine, St. Athanasius, Constantine, Hadrian, and many more. This class will also include a light introduction to Latin grammar and vocabulary.

**Homework:** Two tiers of homework - elective and full course. Elective: some vocabulary homework and some readings, art projects. Full credit course: vocabulary work and readings, extra readings, historical fiction books, two papers (with grading), and two home administered exams

**Fee:** \$15 **Reason for Fee:** Copies and classroom supplies

**Required Supplies:** Everyone: Notebook, notecards, pencil/pens. Students taking the class as a full course will also need to acquire D'Aulaires' Book of Greek Myths, The Golden Goblet by McGraw, and The Eagle of the Ninth by Rosemary Sutcliff - library copies are fine!

**Grade Range:** 6<sup>th</sup>-8<sup>th</sup> ; 5<sup>th</sup> with permission

**Class Limit:** 20

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**Hour 3: 11:35-12:30**

## *Newsletter*

**Course Description:** Join us as we design and publish our Friends of Grace newsletter! We'll investigate what it takes to write a good article, report on the happenings of classes and events at our co-op, and collaborate on the layout of our newsletter. Be a part of the team that documents our co-op!

**Homework:** Less than an hour per week

**Fee:** \$40 **Reason for Fee:** printing costs

**Required Supplies:** Notebook, folder, pencil

**Grade Range:** 6<sup>th</sup>-10<sup>th</sup>

**Class Limit:** 8

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**Hour 3: 11:35-12:30**

## *Physical Education (7-12)*

**Course Description:** Competitive Games while practicing good sportsmanship, leadership building and having loads of fun! **Note: 7<sup>th</sup> graders are welcome to enroll in this gym section or the younger gym section.**

**Homework:** none

**Fee:** \$10 for needed equipment

**Required Supplies:** Appropriate shoes for running

**Grade Range:** 7<sup>th</sup>-12<sup>th</sup> (note: 7<sup>th</sup> grade may also elect younger gym section)

**Class Limit:** none

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**Hour 3: 11:35-12:30**

## *Writing for God's Glory*

**Course Description:** God spoke all of creation into existence with words; as He made us in His image, we can glorify Him with our own.

This writer's workshop for middle and high school students will focus on how to wield the craft of writing for God's glory. The fall semester will focus on nonfiction and devotional writings, and the focus in the spring will shift to fiction. Students will alternate weeks discussing pertinent readings (e.g., Bible passages, excerpts from literature, devotional articles, and commentaries on craft by C.S. Lewis, Tolkien, and others) with sessions spent workshopping writing exercises. Guidance in the publication process will be offered at the end of the course, if desired.

**Homework:** Two writing assignments per month (on average), to be shared and discussed with the group. Grading for high school students possible, please just reach out to Katie.

**Fee:** none

**Required Supplies:** none.

**Grade Range:** 7<sup>th</sup>-12<sup>th</sup>

**Class Limit:** 10

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**Hour 3: 11:35-12:30**

## *Seeing the Story of the Hebrew Scripture*

**Course Description:** If "the Bible is a unified story that points to Jesus" and "there is no better conclusion to the story of the Hebrew Scripture than the story of Jesus", then what is the story of the Hebrew Scripture? Why does it take 66 scrolls to tell, and how do those 66 scrolls work together to tell it? This class will work through the Tanak as an ancient near eastern text, highlighting its unique cultural context and exploring its literary features and how they create an unresolved tension in the story of God and His creation providing the climactic setting for the introduction of Jesus and the story of His mission in the Gospels.

This is a course intended to increase Biblical literacy and influence how students think about Scripture, helping them develop a biblical worldview and a clearer understanding of their God-given purpose according to the Scripture.

**Homework:** Homework may include reflection papers, listening to podcast/teachings/interviews with Biblical scholars, reading SBL articles and commentaries.

**Fee:** \$20 **Reason for Fee:** Covering printing costs

**Required Supplies:** availability to access podcasts/video content during the week

**Grade Range:** 8-12

**Class Limit:** 15

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## Kindergarten

**Course Description:** The Kindergarten class spends the entire co-op time together. We will explore a variety of topics through books, songs, memorization, and activities. The class includes all three hours divided into times for instruction, gym, snack, and free play.

**Prerequisites:** 5 years old by August 1, 2022

**Required Supplies:** snack (**strictly no nuts**) and water, appropriate clothing and shoes for gym class participation

**Fee:** \$15.00 (+Additional \$5 to gym teacher) **Reason for Fee:** Supplies used in class

**Grade Range:** Must turn 5 by August 1, 2023

**Class Limit:** 15

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## Preschool

**Course Description:** With a typical preschool format, this class uses the first hour for circle time and crafts, the second hour for snack and physical activity in the gym, and the third hour will have multiple free-play activities and theme activities to encourage social-emotional development and healthy independence.

**Required Supplies:** Kids should come with a snack (nut free) and wear comfortable clothing they can run around in.

**Fee:** \$15.00 (+Additional \$5 to gym teacher) **Reason for Fee:** Classroom supplies

**Grade Range:** Ages 3, 4 and 5

**Class Limit:** 15

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## *PE for Kindergarten and Preschool*

Emphasis will be on physical (and social) development through games, exercises, and free play in a fun environment with balls, hula- hoops, jump ropes, outdoors, (weather-permitting) or inside as needed. Kindergarten and PreK classes enjoy separate PE times during the 10:30-11:30 hour of classes.

**Fee:** \$5 **Reason for Fee:** balls, scooters, and miscellaneous supplies

**Materials Needed:** Comfortable shoes and clothes for exercise. Shorts or leggings under little girls' skirts, please. Dress for outdoors when weather is mild.

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## Toddler Room

Come have fun in the toddler room! We plan on learning our ABC's, colors, and numbers through fun play (lots of painting, games and crafts).

The toddler class spends the entire co-op time together. The students will have a 20-30 minute gym time and a 20-minute snack time.

**Fee:** \$15.00 **Reason for Fee:** Classroom supplies

**Materials Needed:** Labeled diaper bag, diapers/pull ups, change of clothes, nut-free snack, labeled sippy cup, and jacket

**Age Range:** Ages 2-3

**Class Limit:** 13

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## Nursery

The nursery is the place for babies during Co-op. Parents with children in the nursery should expect to spend at least part of their day volunteering in this room. Each week, please bring a diaper bag with the following (all labeled with the child's name):

- A snack and drink (in bottle or sippy cup) for their personal use (we try to prevent children from sharing, due to numerous food allergies, and hygiene)
- Diapers
- Change of clothes

Parents must pick up their children from the nursery promptly at the end of Co-op.

**Materials Needed:** Diaper bag, diapers, change of clothes, nut-free snack, labeled cup or bottle (or Mom!)

**Age Range:** Newborn to age 2

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