

## Friends' Homeschool Co-op Course Descriptions 2024-2025

Table of Class Offerings by Hour – “p” means with prior teacher permission

Class descriptions for students in [Kindergarten](#) and younger are on pages 39-42

Pg #	9:30 Classes	1	2	3	4	5	6	7	8	9	10	11	12
3	<a href="#">Artists &amp; Their Stories</a>	x	x	x									
4	<a href="#">Creative Writing Club</a>	x	x	x									
5	<a href="#">Elementary Science</a>	x	x	x									
13	<a href="#">Insect Study</a>			x	x	x							
14	<a href="#">Upper Elementary PE</a>				x	x	x						
15	<a href="#">Loving Literature</a>				x	x	x	x					
16	<a href="#">Beginner Spanish</a>				p	x	x	x	x				
22	<a href="#">Bits &amp; Bytes</a>					p	x	x	x				
23	<a href="#">Molding Metal</a>							p	x	x	x	x	x
24	<a href="#">Photography</a>								x	x	x	x	x
25-26	<a href="#">Winsome Communicators</a>								p	x	x	x	x
2	<a href="#">Study Hall</a>				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
6	<a href="#">Fun With Math</a>	x	x										
7	<a href="#">Lower Elementary PE</a>	x	x	x									
8	<a href="#">Christian Hero Biographies</a>	p	x	x	x	x							
17	<a href="#">Meet the Masters</a>			x	x	x							
18	<a href="#">Beginner Clay &amp; Crafts</a>				x	x	x						
19	<a href="#">General Music</a>			p	x	x	x	p					
27	<a href="#">Medical Detectives</a>					p	x	x	x	x			
28	<a href="#">Crochet</a>					p	x	x	x	x			
29	<a href="#">Intro to Quilting</a>					p	p	x	x	x	x	x	x
30	<a href="#">Shakespeare</a>							x	x	x	x	x	x
31	<a href="#">Team Debate</a>									x	x	x	x
32	<a href="#">Financial Wealth Building</a>									p	x	x	x
2	<a href="#">Study Hall</a>				x	x	x	x	x	x	x	x	x

Pg #	11:35 Classes	1	2	3	4	5	6	7	8	9	10	11	12
9	<a href="#">Read it Again Fun!</a>	x	x	x									
10	<a href="#">Let's Build</a>	x	x	x	x								
11	<a href="#">Fun &amp; Games</a>	x	x	x	x								
12	<a href="#">Elections &amp; Presidents</a>		x	x	x	p							
20	<a href="#">The Amazing Earth</a>				x	x							
21	<a href="#">Kindness Kingdom</a>				p	x	x	x	x				
33	<a href="#">Medieval Times</a>					p	x	x	x	p			
34	<a href="#">Logic</a>						x	x	x				
35	<a href="#">Eastern Arts &amp; Crafts</a>						x	x	x	x			
36	<a href="#">Novel Workshop</a>							x	x	x	x	x	x
37	<a href="#">Jr. &amp; Sr. High PE</a>							x	x	x	x	x	x
38	<a href="#">Walking With the Teacher</a>									x	x	x	x
2	<a href="#">Study Hall</a>				x	x	x	x	x	x	x	x	X

## 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.

Personal listening devices 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.

## **Early Elementary Classes 9:30-10:25 (page 1 of 3)**

### **Artists and Their Stories**

**Teacher:** Mrs. Deborah Cioffi

#### **Course Description:**

We will learn about famous artists and their work, read fun pictures about their lives (such as *Van Gogh and the Sunflowers* for Vincent Van Gogh, or *Georgia in Hawaii* for Georgia O'Keeffe), and then create related art.

**Homework:** None

**Fee:** \$30.00 **Reason for Fee:** Art supplies.

**Required Supplies:** Clothes that can get messy.

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

**Class Limit:** 10

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## **Early Elementary Classes 9:30-10:25 (page 2 of 3)**

### **Creative Writing Club**

**Teacher:** Mrs. Silvia Washburn

#### **Course Description:**

Letting our imaginations run wild through writing stories and poems. We'll work on reading and writing, fostering independence, but also staying flexible to accommodate the levels and needs of the students.

Short stories such as nursery rhymes, classic stories, and more will be included. For poetry, there will be haikus, acrostic, rhyming, and picture poems. Crafts and drawings will add even more creativity. We'll draw inspiration from nature, our own experiences, and even silly imaginary ideas.

**Homework:** None

**Fee:** \$10.00 **Reason for Fee:** Paper and art supplies

**Required Supplies:** None

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

**Class Limit:** 9

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## **Early Elementary Classes 9:30-10:25 (page 3 of 3)**

### **Elementary Science**

**Teacher:** Mrs. Cheryl Huckins

**Co-Teacher:** Mrs. Michelle  
Cernigliano

#### **Course Description:**

Let's explore God's wonderful creation together. We'll spend time learning about: Botany, Astronomy, Earth Science, Land Animals, Marine Life, and the Human Body. Through books, videos, activities, and experiments, we'll learn about the exciting world of Science!

**Homework:** None

**Required Supplies:** None

**Fee:** \$30.00 **Reason for Fee:** Supplies for experiments.

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

**Class Limit:** 14

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## **Early Elementary Classes 10:35-11:30 (page 1 of 3)**

### **Fun With Math**

**Teacher:** Mrs. Patricia Black

**Course Description:**

Math mastery helps prepare students for many skills they will use the rest of their lives. This class will be filled with fun activities using time, measurement, counting money, and various other skills as they relate to daily activities. Students will take surveys, creating graphs with the data. Other examples would be learning to add using restaurant menus, and learning to tell time using bus or event schedules.

The activities will emphasize problem solving in daily scenarios.

**Homework:** Some homework will be given for surveys, but will not be every week.

**Required Supplies:** None

**Fee:** \$20.00 **Reason for Fee:** Classroom supplies for activities

**Grade Range:** 1<sup>st</sup>-2<sup>nd</sup>

**Class Limit:** 15

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## **Early Elementary Classes 10:35-11:30 (page 2 of 3)**

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

**Teacher:** Mrs. Deborah Cioffi

**Co-Teacher:** Mrs. Sheavoyne Wilson

#### **Course Description:**

Physical Education fun! Come play a variety of games inside and outside, work on lots of different skills and coordination, conduct a morning meeting with Scripture, prayer, and go over the plan for class, engage in weekly stretching as well as a lap of jogging around the church building, and have loads of fun!

**Homework:** None.

**Required Supplies:** Children must have shoes they can run & play in. Girls must wear shorts or leggings under skirts & dresses.

**Fee:** \$10.00 **Reason for Fee:** Exercise equipment and supplies.

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

**Class Limit:** 20

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## **Early Elementary Classes 10:35-11:30 (page 3 of 3)**

### **Christian Hero Biographies**

**Teacher:** Mrs. Maria Rastas

**Co-Teacher:** Ms. Andrea McMaster

#### **Course Description:**

Based on the *Heroes for Young Readers* book series, this class exposes students to the life stories of various people who have lived out their Christian walk in inspiring ways. (Examples of people are Gladys Aylward, Adoniram Judson, Amy Carmichael, George Mueller, etc.) Throughout the year, students create a binder and “suitcase” filled with coloring pages, maps, flags, character quality studies, and crafts related to each hero.

**Homework:** None

**Required Supplies:** None

**Fee:** \$25.00 **Reason for Fee:** Class materials and activities

**Grade Range:** 2<sup>nd</sup>-5<sup>th</sup>, 1<sup>st</sup> with permission

**Class Limit:** 10

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## **Early Elementary Classes 11:35-12:30 (page 1 of 4)**

### **Read It Again Fun!**

**Teacher:** Mrs. Sheavoyne Wilson

**Co-Teacher:** Ms. Andrea McMaster

#### **Course Description:**

A rendition of Five in a Row!!! Same concept, different books! We will read the same book for two classes, facilitate discussions, create projects and crafts related to the book, play games and have some fun! Realizing there is a good amount of sitting involved, we are intentional in making time to stretch and move our bodies for a bit to get their wiggles out. Come join the journey of love for literature!

**Homework:** None

**Required Supplies:** Pencils

**Fee:** \$15.00 **Reason for Fee:** Materials and supplies for crafts and games

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

**Class Limit:** 12

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## **Early Elementary Classes 11:35-12:30 (page 2 of 4)**

### **Let's Build!**

**Teacher:** Mrs. Kristen Rydbeck

**Co-Teacher:** Mrs. Kate Robinson

### **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, developing skills to speak in front of a group.

**Prerequisites:** 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:** \$20.00 **Reason for Fee:** Money will be used to purchase current Lego sets that will aid in enhanced builds

**Grade Range:** 1<sup>st</sup>-4<sup>th</sup>

**Class Limit:** 12

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## **Early Elementary Classes 11:35-12:30 (page 3 of 4)**

### **Fun and Games**

**Teacher:** Mrs. Lindsey Stelzig

#### **Course Description:**

We will work on skills such as following directions, taking turns, not cheating, teamwork, and being good winners and losers through playing games together! We will play a variety of card games, board games, and movement games.

**Prerequisites:** None

**Homework:** None

**Required Supplies:** None

**Fee:** None

**Grade Range:** 1<sup>st</sup>-4<sup>th</sup>

**Class Limit:** 12

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## **Early Elementary Classes 11:35-12:30 (page 4 of 4)**

### **US Elections and Presidents**

**Teacher:** Mrs. Diana Kapaldo

**Co-Teacher:** Mrs. Meredith Kelly

#### **Course Description:**

Students will learn about US elections, the electoral college, and basic American civics and citizenship. We will use in-class games and activities to actively experience the fun of the electoral process. In addition, students will learn about US Presidents, as we discuss informal/humorous presidential biographies (Venezia books). Using puzzles, activities, and songs, children will learn about US presidents and key administration milestones. Some in-class projects will include making a salt dough map of US expansion (Louisiana purchase, etc.), assembling a Civil War-type periscope, writing with a quill pen, and racing a balloon rocket. Two themed class parties planned for Election Day and Presidents Day.

**Prerequisites:** None

**Homework:** None- Note: 100% Optional, for President's Day class party, a child may volunteer to present about a president for 2-3 minutes to the class, or they may read from a President's famous speech.

**Required Supplies:** None

**Fee:** \$25.00 **Reason for Fee:** Binders, folders, print-outs, supplies for projects and parties

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

**Class Limit:** 12

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## Upper Elementary Classes 9:30-10:25 (page 1 of 4)

### **Insect Study**

**Teacher:** Mrs. Becca Adams

#### **Course Description:**

This course includes a reader compiled of classic stories written by Arabella Buckley and Julia McNair Wright in the late 1800s. It takes a charmingly narrative approach to the life of insects, and we have written a workbook to go along with it that takes your student through the identification of different kinds of insects, insect anatomy, and more! Add the *Peterson First Guide* on Insects, and this year-long course makes for a course your student will love!

**Prerequisites** None

**Homework:** None

**Required Supplies:** Pencils and colored pencils

**Fee:** \$30.00 **Reason for Fee:** Student books and class materials

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

**Class Limit:** 12

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## **Upper Elementary Classes 9:30-10:25 (page 2 of 4)**

### **Physical Education Upper Elementary**

**Teacher:** Mr. James Burow

#### **Course Description:**

We will work on physical fitness through exercises and team sports with an emphasis on skill building, teamwork, good sportsmanship, and healthy habits in a fun environment.

**Homework:** None

**Required Supplies:** Comfortable clothing and shoes appropriate for exercise.

**Fee:** \$5.00 **Reason for Fee:** For sports game supplies

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

**Class Limit:** 25

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## Upper Elementary Classes 9:30-10:25 (page 3 of 4)

### Loving Literature

Teacher: Mrs. Kelley Christie

Co-Teacher: Mrs. Michelanne Russell

#### Course Description:

We'll read 1 book each month (6 books in total). All reading will be done at home. When we meet, we'll be diving deep into a variety of projects that allow us to more deeply connect with the literature, the time period, the characters, and our own empathy. Projects can include: learning history, creating character journals, nature studies, art projects, food, games, and sharing stories. We'll discuss the books as well and learn new vocabulary words and terms. More importantly, each class we'll fall more in love with reading.

The books we read will be voted on from a predetermined list. This gives the kids an opportunity to feel invested in what they learn. We'll present a selection of books from the following list and will read the book voted by the majority.

*Green Ember*

*The Secret Garden*

*Caddie Woodlawn*

*The Lion, the Witch and the*

*Esperanza Rising*

*Wardrobe*

*My Side of the Mountain*

*Charlotte's Web*

*Freedom Train*

*The Hobbit*

*Wind in the Willows*

*Anne of Green Gables*

*Railway Children*

*Where the Mountain Meets the Moon*

*Secret of the Andes*

*The Golden Bull*

*Blue Willow*

*Adam of the Road*

**Prerequisites:** None

**Homework:** There will be significant reading each week. Each book will be broken into 4 sections (so read  $\frac{1}{4}$  of the book) each week. All reading will be done at home and is expected to be completed before each class in order to participate. Books can be read via audio or on paper. Both are just as effective. This helps tailor to learners who learn in a variety of ways.

**Required Supplies:** None

**Fee:** \$60.00 **Reason for Fee:** Main lesson books and supplies for projects

**Grade Range:** 4<sup>th</sup>-7<sup>th</sup>

**Class Limit:** 12

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## Upper Elementary Classes 9:30-10:25 (page 4 of 4)

### Beginner Spanish

Teacher: Mrs. Erin Cacace

Co-Teacher: Mrs. Maria Rastas

#### Course Description:

Join us as we have fun learning Spanish!

Students will learn to:

- Meet and greet someone, talk about themselves, and ask others about themselves
- Speak, read, write, and understand full sentences using vocabulary, verbs, and grammar concepts useful in everyday life
- Ask and answer questions in full sentences
- Have short conversations about various topics
- Write or tell 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

Note: This is the same course I offered last year. In the future I may offer a next level class.

**Prerequisites:** None

**Homework:** 15-30 minutes per day

**Required Supplies:** Pencil, index cards, notebook

**Fee:** \$40.00 **Reason for Fee:** Textbooks, printing of homework pages

**Grade Range:** 5<sup>th</sup>-8<sup>th</sup>, 4<sup>th</sup> with permission

**Class Limit:** 12

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## **Upper Elementary Classes 10:35-11:30 (page 1 of 3)**

### **Meet the Masters**

**Teacher:** Mrs. Sarah Kerr

**Co-Teacher:** Mrs. Becca Adams

#### **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

**Required Supplies:** None

**Fee:** \$40.00 **Reason for Fee:** Licensing fee, copies, art supplies

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

**Class Limit:** 12

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## **Upper Elementary Classes 10:35-11:30 (page 2 of 3)**

### **Beginner Clay and Other Crafts**

**Teacher:** Mrs. Hannah Dieterle

#### **Course Description:**

Students will learn various beginner hand building techniques, such as pinching, coiling, and slab building. We will alternate weeks between building and finishing projects.

**Prerequisites:** A readiness to work with your hands, and follow instructions. We will all be improving our skills together.

**Homework:** None

**Required Supplies:** Hands, set of clay tools; they are \$3-\$5 on Amazon, I will send a link

**Fee:** \$50.00 **Reason for Fee:** This will cover the cost of clay, paint, and glaze

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

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## Upper Elementary Classes 10:35-11:30 (page 3 of 3)

### Upper Elementary General Music

Teacher: Mrs. Susannah Browne

Co-Teacher: Mrs. Lindsey Stelzig

#### Course Description:

We will sing together, learn beginning ukulele and music reading skills, and learn about different kinds of music and different musical topics!

**Prerequisites:** None

**Homework:** Practice ukulele 10-15 minutes 3 different days a week

**Required Supplies:** Each student needs 3 items: a ukulele (soprano, concert, or tenor – soprano is the smallest), a tuner, and a ukulele bag. If you want to purchase all items together a kit can be useful. Here is an example of a good kit that would work. There are many other kit options as well.

[https://www.amazon.com/Vangoa-Beginner-Mahogany-Acoustic-Hawaiian/dp/B093K7WJK5/ref=sr\\_1\\_1\\_sspa?crd=1ICXCX323WGCL&dib=eyJ2ljojMSJ9.UKEluz4lsgCgQPvRlyH8zjTYzm3gF9eu3i9PYJkktvy0aX-SBm1KEGRzMAYAjn8rK34Pb7KEgyRBk6CVS5WdXvi0-12-9WhPXa99m5KQp5iPxxwHemdxn0rRIsNdwIGM9CPY3QpFmel3PK7VVU5te0beX\\_TO01k4aO63hkE1laCWO4QxdXLIVJP55gZWqlxH3Z6R3JiLa9OZNIX5bc4Xuj2IbUNiGVtcr5pNXvQMNmmaT2ci4DNnrbcfLu7GU-Q\\_aAp8h6b3K2ZCaNfkfb3q00LS6mWh\\_B3oSrDEX9Hs8l.WhPskDhPpoD-u8W4Fc5jHf3J4-PVDHzZJDHeNTgy12Y&dib\\_tag=se&keywords=vangoa%2Bsoprano%2Bukulele%2Bkit&qid=1712343894&srefix=vangoa%2Bsoprano%2Bukulele%2Bkit%2Caps%2C123&sr=8-1-spons&sp\\_csd=d2lkZ2V0TmFtZT1zcF9hdGY&th=1](https://www.amazon.com/Vangoa-Beginner-Mahogany-Acoustic-Hawaiian/dp/B093K7WJK5/ref=sr_1_1_sspa?crd=1ICXCX323WGCL&dib=eyJ2ljojMSJ9.UKEluz4lsgCgQPvRlyH8zjTYzm3gF9eu3i9PYJkktvy0aX-SBm1KEGRzMAYAjn8rK34Pb7KEgyRBk6CVS5WdXvi0-12-9WhPXa99m5KQp5iPxxwHemdxn0rRIsNdwIGM9CPY3QpFmel3PK7VVU5te0beX_TO01k4aO63hkE1laCWO4QxdXLIVJP55gZWqlxH3Z6R3JiLa9OZNIX5bc4Xuj2IbUNiGVtcr5pNXvQMNmmaT2ci4DNnrbcfLu7GU-Q_aAp8h6b3K2ZCaNfkfb3q00LS6mWh_B3oSrDEX9Hs8l.WhPskDhPpoD-u8W4Fc5jHf3J4-PVDHzZJDHeNTgy12Y&dib_tag=se&keywords=vangoa%2Bsoprano%2Bukulele%2Bkit&qid=1712343894&srefix=vangoa%2Bsoprano%2Bukulele%2Bkit%2Caps%2C123&sr=8-1-spons&sp_csd=d2lkZ2V0TmFtZT1zcF9hdGY&th=1)

**Fee:** \$12.00 **Reason for Fee:** Ukulele lesson book and class handouts

**Grade Range:** 4<sup>th</sup>-6<sup>th</sup>, 3<sup>rd</sup> & 7<sup>th</sup> by permission

**Class Limit:** 20+

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## Upper Elementary Classes 11:35-12:30 (page 1 of 2)

### **The Amazing Earth**

**Teacher:** Mrs. Heather Black

#### **Course Description:**

Let's learn about the incredible planet that God designed for us to enjoy. I plan to use the curriculum *Christian Kids Explore Earth and Space* as a springboard for topics, covering earth's structure, lithosphere, hydrosphere, atmosphere, weather, and more. We'll also study some of the scientists who helped mankind better understand the world. There will be interesting experiments, book reports, quizzes (with prizes!) and maybe even a field trip or two!

**Prerequisites:** None

**Homework:** There will be about an hour of homework each week, which could be accomplished in short sessions. It will include things like vocabulary review, links to videos on our current topics, or a book to read and then compose a report for class.

**Required Supplies:** Regular pencils, colored pencils

**Fee:** \$50.00 **Reason for Fee:** Notebook supplies, experiment supplies, prizes for successful completion of homework and quizzes

**Grade Range:** 4<sup>th</sup>-5<sup>th</sup> **Class Limit:** 15

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## Upper Elementary Classes 11:35-12:30 (page 2 of 2)

### **Kindness Kingdom: Kids Etiquette and Citizenship**

**Teacher:** Mrs. Ady Montes

**Co-Teacher:** Mrs. Allyson  
Strassberger

#### **Course Description:**

Designed specifically for upper elementary and middle school, blending timeless manners with Christian values to cultivate respect, kindness, and social responsibility. Through engaging activities, role-playing, and biblically-based discussions, your child will learn essential life skills that extend beyond the classroom, preparing them to be gracious and mindful citizens in every aspect of their lives. It is our goal to empower your child with the confidence and character to shine in any setting, nurturing not just good manners, but a heart for service and community.

**Prerequisites:** None

**Homework:** Weekly home practice to encourage habit building

**Required Supplies:** Notebook and pencil or pen

**Fee:** \$40.00 **Reason for Fee:** Curriculum, supplies, props, handouts, etc.

**Grade Range:** 5<sup>th</sup>-8<sup>th</sup>, 4<sup>th</sup> by permission

**Class Limit:** 16

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## Junior and Senior High Classes 9:30-10:25 (page 1 of 5)

### Bits and Bytes

**Teacher:** Mrs. Tamara Johnson

**Co-Teacher:** Mrs. A Johnston

#### Course Description:

Let's code! We would love to invite you to a challenging class where you will learn a bit of computer science to understand the fundamentals of how computers work. Then, you will learn to code basic programming structures in Scratch. Finally, you will enter the world of syntax by programming in Python, one of the most well-used programming languages in industry today! All of this learning will be punctuated with the opportunity to see how coding can affect the world around you by programming microbits to obey your commands!

Every parent wishing to enroll their student in this class needs to be aware that this will be a very challenging class. Your student will need several hours each week to complete the homework necessary to keep up in class, so if this isn't a good year for such an investment of time, please leave room for students who have the time to invest. Your students will be rewarded for their hard work with a solid foundation in programming to build further skills upon. Your student needs to be patient, focused, and determined to succeed in the world of programming. If your child is up for the challenge, we are excited to have them!

**Prerequisites:** None

**Homework:** Several hours of homework will be required to practice coding and debugging skills.

**Required Materials:** Computer with Scratch and Python installed. Instructions for installation of software will be given prior to the start of class. Notebooks are also required for notetaking.

**Fee:** \$100.00 **Reason for Fee:** To purchase the microbit along with necessary electronics items

**Grade Range:** 6<sup>th</sup>-8<sup>th</sup>, 5<sup>th</sup> by permission

**Class Limit:** 12

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## **Junior and Senior High Classes 9:30-10:25 (page 2 of 5)**

### **Molding Metal, Igniting Imagination**

**Teacher:** Mrs. Crystal Pham

**Co-Teacher:** Mrs. Danica Rines

#### **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.

**Prerequisites:** None

**Required Supplies:** None

**Homework:** Periodic design plans will be started in class and may need to be completed at home. In addition, projects may be brought home for finish sanding.

**Fee:** \$115.00 **Reason for Fee:** Covers a sketchbook, various tools, metal clays, finishings, etc.

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

**Class Limit:** 12

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## **Junior and Senior High Classes 9:30-10:25 (page 3 of 5)**

### **Beginner Photography**

**Teacher:** Mrs. Crystal Gonsalves

#### **Course Description:**

This photography course is geared toward beginner students who want to learn the elements of photography and to shoot with a camera in manual mode. This course is not only a photography course, but also a journey of one's role in beautifying and being a light in this world.

Students will read excerpts from an inspirational book called *The Creative Flight* by Chris Orwig to foster creativity, to reflect on one's style, and to seek purpose with this artistic craft. We will also have shooting and reading assignments from *The Visual Toolbox* by David Duchemin.

Course includes:

- Types of lenses and their uses
- Basics of photography
- White balance, picture style, program mode
- Exposure, ISO, shutter speed
- Genres of photography, focus points, editing
- Metering, manual exposure, and the Zone system
- And more!

**Prerequisites:** None

**Homework:** Photographing an image at least once a week, and review of materials

**Required Supplies:** A camera with manual mode function – preferably digital or mirrorless with a lens.

**Fee:** \$50.00 **Reason for Fee:** Covers photo printing and mattes at the end of the year, and photocopies

**Grade Range:** 8<sup>th</sup>-12<sup>th</sup>

**Class Limit:** 12

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## **Junior and Senior High Classes 9:30-10:25 (page 4 of 5)**

### **Winsome Communication of Truth: Apologetics**

**Teacher:** Mr. Chris Black

**Co-Teacher:** Mrs. Allyson  
Strassberger

#### **Course Description:**

Winsome Apologetics aspires to teach how to Biblically reason in a winsome and non-emotionally charged manner to the many ideas that raise themselves against the knowledge of God (2 Cor 10:3-5). The confusion of our culture on existential questions is expected; unfortunately, this confusion extends into the church due to a lack of Biblical understanding and fear of discussion. Philippians 3:15 says that even the things we disagree on (in the body of Christ), God will make clear—or bring unity. The book of Proverbs also describes man sharpening one another as iron sharpens iron. We need to be a people that first and always seek truth in love; we also need to own that understanding, articulating in a winsome way to those who may think differently. If there is disagreement, GOOD! This should be an opportunity to grow--either firming up our understanding as Apollos did while speaking with Aquila and Priscilla, or sharpening others in their understanding. Believers need to both learn their Scriptures (contextually & holistically) and be able to incite desire in conversations through good questions, respectful dialog, and Biblical reasoning.

The class focus may cover questions broached by Apologetics from NCFCA style limited prep speech, and the education will certainly inform better argumentation and delivery in a contest; however, my focus is not on training NCFCA students, but on training children of God to communicate truth in love.

#### **Expectations and Goals**

The development of reasoning skills and argumentation will be the focus of class time. Students will be expected to research various topics of interest, practice reasoning skills, and prepare for presentations (not PowerPoints per se, but arguments and logical flows of reason). The key text is the Bible--general reading for breadth of understanding is expected to be ongoing; specific text to be read in greater depth will be assigned along with research topics. Occasionally, additional articles may be assigned. **(Continued on next page)**

## **Junior and Senior High Classes 9:30-10:25 (page 5 of 5)**

### **Winsome Communication of Truth: Apologetics (continued)**

**Required Supplies:** Bible and note taking supplies.

**Fee:** \$5.00 **Reason for Fee:** Copies and miscellaneous

**Prerequisites:** Need graduate level understanding of multi-variable Calculus and differential equations... Just kidding!

The true requirement is simply a passion for learning and willingness to challenge ones own analytical skills. Students should have read through the entire Bible at least once (summer is plenty of time to accomplish this, if it is not in your previous experience prior to registration.)

8th grade students with high school level analysis and reasoning skills can be allowed with teacher permission.

**Homework:** Homework effort is expected to average 1hr/wk with higher loading around presentation preparation. This time estimate does not include daily Bible reading; so, if the student is not already engaged in daily, full-Bible reading that would cover the entire text in a year or there about, then please add an additional 30minutes/day to this time estimate.

**Grade Range:** 9<sup>th</sup>-12<sup>th</sup>, 8<sup>th</sup> with teacher permission

**Class Limit:** 16

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## Junior and Senior High Classes 10:35-11:30 (page 1 of 6)

### Medical Detectives

**Teacher:** Mrs. Katie Butler

**Co-Teacher:** Mrs. Carolyn Liang

#### Course Description:

You've learned the ins and outs of how the body works. . .now use that knowledge to solve mysteries! This highly interactive, case-based class will take the concepts learned in *Bones, Blood, and Breath Sounds* to the next level. Students will learn about medical history taking and diagnostics (radiology, phlebotomy, etc), and every week they'll use their knowledge and critical thinking skills to figure out the disease causing an imaginary patient's symptoms.

**Prerequisites:** Must have taken *Bones, Blood, and Breath Sounds* in the past, or demonstrate commensurate knowledge of human anatomy and physiology

**Homework:** Minimal, except for an end-of-the-year project. During the last month or two of the year, students will research medical conditions on their own and present cases to the group.

**Required Materials:** *Bones, Blood, and Breath Sounds* course book; *Medical Detectives* course book (the latter to be supplied in print). Students should bring a pencil to class every week, and have their stethoscopes available upon request.

**Fee:** \$60.00 **Reason for Fee:** Printing costs, as well as hands-on materials (suture kits, blood draw simulators, etc.)

**Grade Range:** 6<sup>th</sup>-9<sup>th</sup>, 5<sup>th</sup> by permission

**Class Limit:** 12

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## **Junior and Senior High Classes 10:35-11:30 (page 2 of 6)**

### **Hooked on Creativity: Crochet for Teens**

**Teacher:** Mrs. Ady Montes

#### **Course Description:**

This interactive class is designed specifically for middle school students, offering a fun and engaging environment for them to learn the art of crochet. Students will explore a variety of beginner techniques and gradually transition into more advanced projects, all while fostering their creativity and imagination. Each class is carefully crafted to not only teach crochet skills but also to encourage teamwork, problem-solving, and self-expression.

**Prerequisites:** None

**Homework:** Home practice and completion of projects

**Required Supplies:** Yarn (specific colors for their projects)

**Fee:** \$30.00 **Reason for Fee:** Crochet hooks set, yarn, scissors, tape measures, patterns, handouts, markers, clips, etc.

**Grade Range:** 6<sup>th</sup>-9<sup>th</sup>

**Class Limit:** 12

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## **Junior and Senior High Classes 10:35-11:30 (page 3 of 6)**

### **Intro to Quilting**

**Teacher:** Mrs. Kelly Spear

**Co-Teacher:** Mrs. Heather Black

#### **Course Description:**

Making a quilt is a great craft to learn because - who doesn't love a quilt?! Quilts have been around for centuries - and for good reason! They serve a function by providing warmth, but they also provide a sense of comfort to anyone wrapped in them, and they're beautiful! In this beginning quilting class, we will go over the basics of sewing (a basic understanding of using a sewing machine is preferred, but not required), and then we'll dive into the basics of quilting. The first part of the first semester, we'll make small quilting projects to get used to the process. The second half of the first semester, and all of the second semester, we will work on making a lap-size quilt!

Because students may be on different skill levels, I will keep the expectations for each week doable and minimal.

The goal is that at the end of our co-op year, everyone will have a completed quilt!

**Prerequisites:** A general understanding of how to use a sewing machine.

**Homework:** If certain deadlines can't be met in class, the student will be expected to finish things at home before the next class. For this class to work, we'll need everyone to be at the same step in the process. We can slow things down if we need to, but I do expect everyone to stay together in each step of the process.

**Required Supplies:** Sewing machine, basic sewing kit, rotary cutter, self-healing cutting mat, scissors, quilting ruler, walking foot for the student's particular sewing machine, iron and ironing board

**Fee:** \$150.00 **Reason for Fee:** The fee is for providing fabric and other quilting supplies needed beyond the basics listed in the "Required Supplies" section

**Grade Range:** 7<sup>th</sup>-12<sup>th</sup>, 5<sup>th</sup> & 6<sup>th</sup> by permission

**Class Limit:** 10

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## **Junior and Senior High Classes 10:35-11:30 (page 4 of 6)**

### **Learning Shakespeare**

**Teacher:** Mrs. Cheryl Huckins

**Co-Teacher:** Mrs. Sarah Smith

#### **Course Description:**

Is Shakespeare still relevant today? Why are his writings still so popular? Come and join us as we find out the answers to these questions and more by exploring two of his plays. We'll be reading, discussing, and rehearsing *The Twelfth Night* and *Romeo and Juliet*. It will be a lot of fun!

**Prerequisites:** None

**Required Supplies:** A notebook, a pencil, and a folder

**Homework:** An hour or so for reading and answering questions.

**Fee:** \$30.00 **Reason for Fee:** Books and copies

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

**Class Limit:** 12

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## **Junior and Senior High Classes 10:35-11:30 (page 5 of 6)**

### **Team Debate**

**Teacher:** Miss Eva Storz

**Co-Teacher:** Mrs. Brenda Storz

### **Course Description:**

Caution! This course may result in self-motivated students honing daily their research and real-life persuasive communications skills without parental prodding! In learning the art of persuading by reason, students will explore and practice the fundamentals of debate. Debaters will learn research skills, respectful argumentation, refutation, organization, and effective presentation and speaking skills. (Here's a list of all the skills debate teaches [http://www.ethosdebate.com/what-skills-do-you-learn-from-debate-here\\_s-a-huge-list/](http://www.ethosdebate.com/what-skills-do-you-learn-from-debate-here_s-a-huge-list/))

Debaters will have the benefit of the experience of Eva who has competed in NCFCA Christian Speech & Debate for five years and has qualified to the National Championship twice.

After reviewing the basics of debate and public speaking, the class will consist of practice rounds, drills, and other exercises. Debate rounds will be critiqued by the instructors and other students. More experienced debaters will explore and practice more advanced debate theory. This course is open to beginners and experienced debaters.

**Prerequisites:** None

**Required Supplies:** 3 ring binder, notepaper, access to the internet with ability to print evidence, legal sized pad, time piece.

**Homework:** Home assignments will include researching and reading about the topic, researching and writing a case, and writing and printing evidence for approximately 1-2 hours per week.

**Fee:** \$30.00 **Reason for Fee:** For duplication and resource materials.

**Grade Range:** 9<sup>th</sup>-12<sup>th</sup>

**Class Limit:** 16

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## Junior and Senior High Classes 10:35-11:30 (page 6 of 6)

### Financial Wealth Building

Teacher: Mrs. A Johnston

Co-Teacher: Mrs. Tamara Johnson

#### Course Description:

The *Financial Wealth Building: Foundations for a Lifetime* class is a multi-faceted class covering history of money, taxes, investment strategies, tax sheltering, options trading, and if time permits, cryptocurrencies and cryptotechnologies.

The MATLAB coding environment will be used extensively in this course. MATLAB will be used to conduct trade studies between investment and tax sheltering strategies. We will utilize the MATLAB environment to conduct visual data analysis that augments the students' understanding of core financial principles.

\*MATLAB is used quite extensively in the fields of engineering and economics/finance. If the students are interested in pursuing careers in either of these fields the topics covered and supporting MATLAB exercises will provide a significant advantage over their peers.

**Prerequisites:** MATLAB coding will be taught alongside the topics mentioned above, however it is recommended that the student is familiar with basic coding structures: function calls, variables, if else statements, for loops and while loops. (note: prior to the start of the semester, students will be provided lessons plan to understand basic concepts)

Core mathematical competencies: Algebra

**Homework:** Approximately 3 hours per week. This is intended to be an intellectually demanding course and will require full student commitment to assigned reading and homework.

**Required Supplies:** Laptop with MATLAB installed (instructions for MATLAB installation will be provided prior to class), a notebook, and access to spreadsheet program.

**Fee:** \$100.00 **Reason for Fee:** One year of MATLAB license

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

**Class Limit:** 10

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## **Junior and Senior High Classes 11:35-12:30 (page 1 of 6)**

### **Medieval Times**

**Teacher:** Mrs. Sarah Smith

**Co-Teacher:** Mrs. Linda Edelblut

#### **Course Description:**

Come and frolic in the Middle Ages with us! This class will cover the years ~ 500 to 1500. Using medieval England as our home base, we will study medieval literature, religion, politics, art, architecture, and culture.

Topics/Events/People covered will include King Arthur, St. Patrick, Alfred the Great, feudalism, monasticism, St. Benedict, chivalry, Norman Invasion, William the Conqueror, Henry II, John I, Richard the Lionheart, Robin Hood, St. Thomas Becket, Elinor of Aquitaine, Good Queen Maud, Joan of Arc, Henry V, Thomas Aquinas, Black Death, War of the Roses, Crusades, Saladin, Marco Polo, Ottoman Turks, Romanesque and Gothic architecture, Hildegard, Chaucer, and Dante.

**Prerequisites:** None

**Required Supplies:** Pencils, pens, two books tbd (for students taking the course for credit)

**Homework:** Students are welcome to take the class as an elective. This tier will include some readings as homework. Students can also take the class for credit which will include extra readings, two exams, a paper, and poetry memorization.

**Fee:** \$15.00 **Reason for Fee:** Printing handouts, notebooks, markers

**Grade Range:** 6<sup>th</sup>-8<sup>th</sup>, 5<sup>th</sup> and 9<sup>th</sup> by permission

**Class Limit:** 15

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## **Junior and Senior High Classes 11:35-12:30 (page 2 of 6)**

### **Logic Through the Lens of Current Events**

**Teacher:** Mrs. Tamara Johnson

**Co-Teacher:** Mrs. Brenda Storz

#### **Course Description:**

Is it difficult for your student to make decisions? Is it hard to discern which side of an issue to stand on? Does your student want to increase his persuasion skills to talk you into that one more scoop of ice cream? In an information age where facts are thrown at us at neck-breaking speeds, having the skills of logic and critical thinking to help process information to make good decisions is vital! In this class, we will introduce the tools of logic and critical thinking. To practice using these tools, we will apply them to current events. We will then sharpen these tools with debate. Dog or cat? DC or Marvel? C.S. Lewis or Tolkien? Nuclear plants or solar panels? With great effort we will seek after truth! Get ready to dive deep!

**Prerequisites:** None

**Required Supplies:** Access to a computer with internet is necessary as well as notebooks for notetaking, pencils, and 3-ring binders.

**Homework:** This class will require several hours of homework each week, so please make sure that your student is able to commit this time to the class. The homework will consist of logic exercises, reading books and materials to explain the landscape of current events, and research to learn how to paint a full picture of the issues that we will consider in class.

**Fee:** \$65.00 **Reason for Fee:** The fee will be used to purchase books for the students to read to help understand the fundamentals of government, law, and economics. This understanding is necessary to understand the landscape of current events.

**Grade Range:** 6<sup>th</sup>-8<sup>th</sup>

**Class Limit:** 12

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## **Junior and Senior High Classes 11:35-12:30 (page 3 of 6)**

### **Eastern Arts and Crafts**

**Teacher:** Mrs. Ivy Lin

**Co-Teacher:** Mrs. Elsa Ciccone

#### **Course Description:**

Students will be creating their own artwork inspired by traditional or folk art in various countries/regions in the Eastern Hemisphere, including China, Japan, India, Thailand, the Near East and Middle East, Central Asia, Egypt, Australia, Russia and Eastern Europe.

**Homework:** None

**Required Supplies:** None

**Fee:** \$80.00 **Reason for Fee:** Various art supplies; excess funds will be returned if not all the money is spent

**Grade Range:** 6<sup>th</sup>-9<sup>th</sup>

**Class Limit:** 12

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## **Junior and Senior High Classes 11:35-12:30 (page 4 of 6)**

### **Novel Writing Workshop**

**Teacher:** Mrs. Katie Butler

#### **Course Description:**

"If a story is in you, it has to come out." -- William Faulkner.

This workshop is for young writers eager to unleash a story. Students will discuss readings every month that focus on the craft and process of long-form fiction, drawing wisdom and inspiration from the works of C.S. Lewis, Ernest Hemingway, Jane Austen, Kazuo Ishiguro, and many more.

In between readings, students will work on their own novel manuscripts and regularly share their progress with the group for feedback, with an ultimate goal of a near-complete first draft by the end of the year. Students will have opportunities for individual mentorship throughout the course.

**Prerequisites:** None

**Homework:** Required readings every other week, on average. Students will also have monthly word count or chapter goals, and will regularly discuss their progress and share samples with the group.

**Required supplies:** Workshop course book. Students should have access to writing software that will allow them to share work with the instructors, i.e., Microsoft Word or Google Docs. Scrivener recommended but not required.

**Fee:** \$40.00 **Reason for Fee:** Printing costs for course book

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

**Class Limit:** 15

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## **Junior and Senior High Classes 11:35-12:30 (page 5 of 6)**

### **Physical Education for Junior and Senior High**

**Teacher:** Mr. Nylis Wilson

**Co-Teacher:** Mr. Aleks Bobkov

#### **Course Description:**

We will learn physical fitness through exercises and team sport/games with an emphasis on skill building, teamwork, good sportsmanship and healthy habits in a fun environment.

**Homework:** Occasional assigned exercises to practice.

**Required Supplies:** Weather appropriate clothes for exercising.

**Fee:** \$5.00 **Reason for Fee:** For the purchase of sports equipment

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

**Class Limit:** ~25

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## **Junior and Senior High Classes 11:35-12:30 (page 6 of 6)**

### **Walking With the Teacher**

**Teacher:** Mr. James Burow

#### **Course Description:**

This class will investigate ways that becoming familiar with the 2nd Temple Jewish context of Jesus' ministry can increase our understanding of the Gospels and leave us better equipped to be modern day followers of Jesus. Topics will include Jesus' ministry- how He read and taught the Scriptures, how His disciples followed Him, how the way they recorded the events in the Gospels relates to the rest of the Hebrew Scripture.

Lectures and discussions will reference material from BibleProject, Louis Tverberg, Amy-Jill Levine, Kenneth Bailey, and others.

**Prerequisites:** None

**Homework:** Select chapter readings from popular level theological books and scholarly articles, videos to watch, and reaction papers

**Required supplies:** Capacity to access online materials for viewing during the week.

**Fee:** \$20.00 **Reason for Fee:** Cover printing costs and reference materials

**Grade Range:** 9<sup>th</sup>-12<sup>th</sup>

**Class Limit:** 12

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## **Kindergarten**

**Teacher:** Mrs. Maegan Daley

**Co-Teacher:** Mrs. Karen Brown

### **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, 2024

**Homework:** None

**Required Supplies:** Healthy snack (no nut products, per co-op guidelines) and appropriate clothes and shoes for gym participation

**Fee:** \$15.00 **Reason for Fee:** For materials and supplies.

**Grade Range:** Kindergarten

**Class Limit:** 15

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## **Preschool**

**Teacher:** Mrs. Natalie Walsh

### **Course Description:**

The Preschool Class spends the entire co-op time together. The first and third hours of the day are spent in fun activities/stories in the classroom.

The students will have a 30 minute gym time and 20-30 minutes for snack and free play.

**Homework:** None

**Required Supplies:** A healthy snack (no nut products, per co-op guidelines) for snack time and comfortable clothes and shoes appropriate for PE time

**Fee:** \$20.00 **Reason for Fee:** For materials and supplies.

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

**Class Limit:** 15

## **PE for Kindergarten, Preschool and Toddler Classes**

**Teacher:** Mrs. Diana Kapaldo

**Co-Teacher:** Mrs. Vivian MacLauchlan

### **Course Description:**

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, PreK and Toddler classes enjoy separate half hour PE times during the 10:30-11:30 hour of classes.

**Fee:** None

**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**

**Teacher:** Mrs. Shannon McCarthy

### **Class Description:**

Come have fun in the Toddler Room! We plan on learning our ABCs, colors and numbers through fun play. Lots of painting, singing, and crafts.

The Toddler class spends the entire co-op morning together. The students will have a 30 minute PE time (see separate description) and 20-30 minutes for snack.

**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

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## **Nursery**

**Teachers:** Volunteer parents

### **Description:**

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 in 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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