



2024-2025 Course Catalog

This catalog lists the books that parents must provide for their child's classes. Parents may purchase the books from any source, but hyperlinks are provided below so that parents may ensure they are purchasing the correct edition of the book. Parents are responsible for providing their child with a backpack, water bottle, lunchbox, and school uniform (see uniform policy). The Co-op uses registration fees to provide all basic school, art, and lab supplies, such as pencils, notebooks, folders, binders, paper, scissors, glue, crayons, colored pencils, etc.

Elective-only students do not need to purchase any books, but they should bring a water bottle each day and dress in accordance with the uniform policy.

Kindergarten-1st Grade

CLASSES:

Math: Alexis Denure – denure@gmail.com - Through games, activities, and written work, your child will learn to think mathematically, understand, and communicate to solve math problems using the concrete – pictorial – abstract approach. During the concrete step, your child will learn the “why” before the “how” through the use of manipulatives, place value cubes, and practical work. During the pictorial step, your child will learn to solve problems confidently through model drawing and number bonds. At the abstract step, students will learn concepts at the symbolic level using numbers, notation, and math symbols. Topics: Kindergarten: numbers through 100, patterns, shapes, length, size, addition & subtraction, time, and money. 1st Grade: numbers through 100, estimation, shapes, length, weight, capacity, graphs, addition & subtraction, multiplication & division, halves & fourths, time, and money.

Language Arts: Karen Turner – krhodesturner@gmail.com - Organized around quality children's literature, Learning Language Arts Through Literature (Blue Program, 3rd ed., K-1) covers beginning and intermediate phonics, reading, spelling, grammar, vocabulary, handwriting, and higher-order reasoning. The literature component uses well-known children's literature as an integral part of the program. The wide variety of activities appeals to all learning styles. In the Red Program, more emphasis is placed on poetry, sentence structure, grammar and writing - all learned in the context of stories. Spelling is also emphasized more with weekly word lists, visual representation of words, and puzzles and games for review/reinforcement.

History: Anne Yervasi – anne.yervasi@gmail.com - The students will use the book, *The Usborne book of Living Long Ago*, to explore the clothes, homes, food, and travel to see where our own traditions come from. We will also read Virgil Hillyer’s *A Child’s History of the World*.

Science: Anne Yervasi – anne.yervasi@gmail.com – We will use the *Intro to Science* program from Elemental Science, which is a hands-on science curriculum introducing students to the world of science. Topics covered include introductory chemistry, physics, geology, meteorology, botany, and zoology.

Music: Anne Yervasi – anne.yervasi@gmail.com - Children will learn a love for music and the basic building blocks of music through games, songs, introduction to basic instruments, rhythm exercises and similar activities. We will focus on simple concepts and also incorporate learning some of the Church hymns.

Christian Instruction: Fr. Photius Avant – fatherphotius@gmail.com - Students will learn about the Orthodox Christian Faith through the saints of the medieval world. In each class, the students will hear the story of a different saint and the virtues he/she exemplified.

PARENTS SHOULD PURCHASE:

Intro to Science student diary – reimburse Co-op \$14 (do not order the book yourself!)

EITHER kindergarten or 1st grade math books (if unsure of the correct level, please discuss with Alexis Denure):

[Kindergarten - Earlybird Textbook Standards Edition A](#)

[Kindergarten - Earlybird Textbook Standards Edition B](#)

[1st grade - Standards Edition Workbook A](#)

[1st grade - Standards Edition Workbook B](#)

1st grade ONLY: [Learning Language Arts Through Literature Red Program \(3rd Ed.\) - individual student book](#)

CO-OP WILL PROVIDE:

Learning Language Arts through Literature Blue Program student book pages

Handwriting notebooks

History activity worksheets and supplies

Language Arts readers will be lent from Co-op library

2nd-3rd Grade

CLASSES:

Math: Alexis Denure – denure@gmail.com - Your child will learn to think mathematically, build stronger logical thinking skills, and learn problem-solving strategies. He/ she will be able to understand and communicate to solve math problems using the concrete – pictorial – abstract approach. During the concrete step, your child will learn the “why” before the “how” through the use of manipulatives, place value cubes, and practical work. During the pictorial step, your child will learn to solve problems confidently through model drawing and number bonds. At the abstract step, students will learn concepts at the symbolic level using numbers, notation, and

math symbols. Topics: 2nd Grade: numbers through 1000, addition & subtraction (with and without renaming), length & weight (metric system and U.S. customary units), multiplication & division (by 2,3,4,5 & 10), money, fractions, time, capacity, tables & graphs, geometry. 3rd Grade: numbers through 10,000, rounding, addition & subtraction, mental calculation, estimation, multiplication & division (with remainders), data analysis, length & weight (metric system and U.S. customary units), capacity, money, fractions (equivalent, addition & subtraction), time, and geometry.

Language Arts: Karen Turner – krhodesturner@gmail.com and Alexis Denure – denure@gmail.com – Students will learn cursive handwriting, practice spelling, and study basic grammar including parts of speech. They will listen to, read, and learn to summarize examples of excellent writing from classics of children’s literature.

History: Fr. Photius Avant – fatherphotius@gmail.com - Students will learn the history of the medieval world (4th-15th Century AD) through stories and map study. *Story of the World: The Middle Ages* will be used as a spine text, supplemented with read-alouds including Arthurian legends and stories from the Canterbury Tales. Each class period will include map work on areas of the medieval world.

Science: Ruxanda Amarie – ruxanda_am@yahoo.com – We will use Rod & Staff’s God’s World Series text for grade 3 to explore God’s care of man and nature. The 7 units cover water; solids, liquids, gases; the seasons; heat and cold; care of the body; animals; farming, machines, stewardship.

Music: Mat. Carissa Avant – carissaavant@gmail.com - Students will learn basic music theory, solfege singing, and vocal technique through a combination of exercises, games, and practice of both liturgical and non-liturgical music. Students will be taught choral and vocal techniques appropriate to their age level and will be introduced to musical settings of hymns commonly used in Orthodox church services.

Christian Instruction: Fr. Photius Avant – fatherphotius@gmail.com - Students will learn about the Orthodox Christian Faith through the saints of the medieval world and the Ecumenical Councils. In each class, the students will hear the story of a different saint and/or the events of an Ecumenical Council. Students will keep records of the geographic locations of saints’ lives and Ecumenical Councils. Each class will conclude with the troparion of the saint of the day.

PARENTS SHOULD PURCHASE:

EITHER 2nd or 3rd grade math books (if unsure of the correct level, please discuss with Alexis Denure):

[2nd grade - Standards Edition Workbook A](#)

[2nd grade - Standards Edition Workbook B](#)

[3rd grade - Standards Edition Workbook A](#)

[3rd grade - Standards Edition Workbook B](#)

EITHER 2nd or 3rd grade language arts books:

[2nd grade - Spelling Workout](#)

[2nd grade - Shurley English Workbook](#)

[2nd grade - Cursive](#)

[3rd grade - Spelling Workout](#)

[3rd grade - Shurley English Workbook](#)

[3rd grade - Cursive](#)

CO-OP WILL PROVIDE:

History maps and activities student pages
Rod & Staff Science Grade 3 student pages
Language Arts readers will be lent from the Co-op library

4th-5th Grade

TEACHERS:

Math: Alexis Denure – denure@gmail.com - Your child will further develop his/her math skills, critical thinking, and ability to solve problems efficiently. He/ she will learn to think mathematically, understand, and communicate to solve math problems using the concrete – pictorial – abstract approach. During the concrete step, your child will learn the “why” before the “how” through the use of manipulatives, place value cubes, and practical work. During the pictorial step, your child will learn to solve problems confidently through model drawing and number bonds. At the abstract step, students will learn concepts at the symbolic level using numbers, notation, and math symbols. Topics: 4th Grade: whole numbers through millions, factors, multiples, order of operations, negative numbers, multiplication by a 2-digit number, fractions (equivalent, addition & subtraction, mixed numbers, improper fractions), decimals, geometry, data analysis, measures and volumes (metric system & U.S. customary units). 5th Grade: whole numbers through billions, approximation & estimation, factors & multiples, prime factorization, multiplying & dividing by tens, hundred, thousands, calculations w/ parentheses, mental calculation, fractions & decimals (addition, subtraction, multiplication & division), perimeter, area, surface area, ratio, measures & volumes (metric system & U.S. customary units), percentage, angles, average & rate, data analysis, algebra.

Language Arts: Jenny Folsom – jennyfolsom@gmail.com - 4th and 5th Language Arts will emphasize grammar and writing skills with additional practice in memorization, spelling, and beginning outlining as time permits. Grammar will consist of a 10-minute daily practice of capitalization, punctuation, sentence combinations, and other grammatical concepts. Writing instruction will focus on narrative writing in the progymnasmata model that starts with well-known and excellent writing models to discuss, analyze, and introduce writing concepts. We will also read a short novel to complement the focus on narrative skills.

History: Mat. Carissa Avant – carissaavant@gmail.com – We will cover European history (including the Byzantine Empire) from St. Constantine the Great through the fall of Constantinople and the European introduction of the printing press. Our spine texts will be *Famous Men of the Middle Ages* (Greenleaf Press) and *Castle* by David Macaulay, and this will be supplemented with viewing images and videos of people, places, and artifacts. We will also read Arthurian legends and a historical fiction novel. We will learn about significant figures of the medieval period and how medieval people celebrated holy days, built and invented, and told stories. Students will create notebooks documenting the most significant historical events and people of the medieval period. Each class will also begin with map work focused on learning the geography of the medieval world.

Science: Karen Turner – krhodesturner@gmail.com - This year, we will utilize even more Good and the Beautiful unit studies, which include engaging hands-on activities, experiments, group discussions, and learning extensive scientific vocabulary. I will also add special projects, class presentations, unit review games, and outdoor exploration, as applicable. The units we will

tackle this year are: Wonders of Energy (energy, electricity and magnetism); Space Science (constellations, planets, the moon, tides and gravity, history of astronomy, space exploration); Health and the Physical Body (nutrition and the digestive system; renal, circulatory, skeletal, respiratory, and musculoskeletal systems; germs and hygiene); and Arthropods.

Music: Mat. Carissa Avant – carissaavant@gmail.com - Students will learn basic music theory, solfege singing, and vocal technique through a combination of exercises, games, and practice of both liturgical and non-liturgical music. Students will be taught choral and vocal techniques appropriate to their age level and will be introduced to musical settings of hymns commonly used in Orthodox church services.

Christian Instruction: Fr. Photius Avant – fatherphotius@gmail.com - Students will learn about the Orthodox Christian Faith through the saints of the medieval world and the Ecumenical Councils. In each class, the students will hear the story of a different saint and/or the events of an Ecumenical Council. Students will keep records of the geographic locations of saints' lives and Ecumenical Councils. Each class will conclude with the troparion of the saint of the day.

PARENTS SHOULD PURCHASE:

[The Good and the Beautiful Grade 3-6 Student Journals for the following units: Arthropods, Health and the Physical Body, Wonders of Energy, and Space Science](#)

EITHER 4th or 5th grade math books (if unsure of the correct level, please discuss with Alexis Denure):

[4th grade - Standards Edition Workbook A](#)

[4th grade - Standards Edition Workbook B](#)

[5th grade - Standards Edition Workbook A](#)

[5th grade - Standards Edition Workbook B](#)

EITHER 4th or 5th grade grammar book:

[Daily Grams Grade 4, Student Workbook \(Wanda Phillips\)](#)

[Daily Grams Grade 5, Student Workbook \(Wanda Phillips\)](#)

BOTH Writing & Rhetoric books:

[Writing & Rhetoric Book 2: Narrative I, Student Edition \(Classical Academic Press\)](#)

[Writing & Rhetoric Book 3: Narrative II, Student Edition \(Classical Academic Press\)](#)

CO-OP WILL PROVIDE:

History maps student pages

History readers will be lent from the Co-op library (though you are welcome to purchase yourself if you would like to own a copy):

Famous Men of the Middle Ages (Greenleaf Press)

Castle by David Macaulay

King Arthur and his Knights of the Round Table by Roger Lancelyn Green

The Door in the Wall by Marguerite de Angeli

6th Grade – High School

Class: 6th-8th Science

TEACHER: TBD

DESCRIPTION: Middle school science will include units on a wide range of scientific topics. Students will deepen their understanding of the scientific method for understanding and categorizing the world.

PARENTS SHOULD PURCHASE:

None

CO-OP WILL PROVIDE:

Lab materials and student pages

Class: High School Introductory Physics

TEACHER: Mihail Amarie – m_amarie@yahoo.com

DESCRIPTION: Students will learn introductory-level high school physics through study of the textbook *Introductory Physics* (Novare series) and through hands-on lab work.

PARENTS SHOULD PURCHASE:

[Novare Introductory Physics, 3rd Edition, by John D. Mays](#)

CO-OP WILL PROVIDE:

Lab materials

Class: Math – Dimensions 7

TEACHER: Mat. Carissa Avant – carissaavant@gmail.com

DESCRIPTION: The program uses the Singapore math approach and emphasizes problem solving and empowers students to think mathematically, both inside and outside the classroom. Pre-algebra, algebra, geometry, data analysis, probability, and some advanced math topics are included in this rigorous series. Dimensions Math 7 and 8 **together** cover Pre-algebra and Algebra 1 topics, with some geometry.

PARENTS SHOULD PURCHASE:

[Dimensions Math Textbook 7A](#)

[Dimensions Math Textbook 7B](#)

A scientific calculator

CO-OP WILL PROVIDE:

Student workbook pages as needed

Class: Math – Dimensions 8

TEACHER: Robert Dale – rjdale0@gmail.com

DESCRIPTION: The program uses the Singapore math approach and emphasizes problem solving and empowers students to think mathematically, both inside and outside the classroom. Pre-algebra, algebra, geometry, data analysis, probability, and some advanced math topics are included in this rigorous

series. Dimensions Math 7 and 8 **together** cover Pre-algebra and Algebra 1 topics, with some geometry. After completing Dimensions 8, the student is ready for Geometry and Algebra 2.

PARENTS SHOULD PURCHASE:

Dimensions Math Textbooks 8A and 8B and Workbooks 8A and 8B (available at singaporemath.com)

CO-OP WILL PROVIDE:

None

Class: 6th-8th Grammar & Writing

TEACHER: Jenny Folsom – jennylfolsom@gmail.com

DESCRIPTION: 6th-8th Language Arts will emphasize grammar and writing skills with additional practice in memorization, spelling, and outlining as time permits. Grammar will consist of a 10-minute daily practice of capitalization, punctuation, sentence combinations, and other grammatical concepts. Writing instruction will focus on proverbs/pithy sayings based on characters and refutation/confirmation of narratives. We will use the progymnasmata model that starts with well-known and excellent writing models to discuss, analyze, and introduce writing concepts. We will also read and analyze a short novel to complement instruction.

PARENTS SHOULD PURCHASE:

[Daily Grams Grade 7, Student Workbook \(Wanda Phillips\)](#)
[Writing & Rhetoric Book 4: Chreia & Proverb, Student Edition \(Classical Academic Press\)](#)
[Writing & Rhetoric Book 5: Refutation and Confirmation, Student Edition \(Classical Academic Press\)](#)

CO-OP WILL PROVIDE:

A Double Story, by George MacDonald

Class: Early High School Literature & Composition

TEACHER: Fr. Photius Avant – fatherphotius@gmail.com

DESCRIPTION: Students will gain a deeper understanding of English literature through reading texts of the medieval world. They will be able to identify literary and rhetorical devices in literature and become adept at using them in their own writing for creative, informative, persuasive, and research purposes.

PARENTS SHOULD PURCHASE:

Sir Gawain and the Green Knight, Penguin Classics edition, translated by Brian Stone, ISBN: 9780140440928

Beowulf the Warrior, by Ian Serrailier, ISBN: 9781883937034

Macbeth, by William Shakespeare (any edition is fine)

The Sword and the Circle, by Rosemary Sutcliff

CO-OP WILL PROVIDE:

None

Class: 6th-8th and High School Medieval History

TEACHER: Mat. Carissa Avant – carissaavant@gmail.com

DESCRIPTION: We will cover European history (including the Byzantine Empire) from St. Constantine the Great through the fall of Constantinople and the European introduction of the printing press. Our spine text will be Dorothy Mills' *Book of the Middle Ages*, and this will be supplemented with readings from primary sources and viewing images and videos of people, places, and artifacts. We will also read 2-3 historical fiction novels to better illuminate the medieval mind and the lifestyles and struggles of medieval people in various cultures. We will learn how medieval people structured their societies, celebrated holy days, built and invented, and told stories in order to engage with reality and seek harmony within their world. Students will create notebooks documenting the most significant historical events, people, and cultural developments of the medieval period. Each class will also begin with map work focused on learning the geography of the medieval world. High school students will cover the same material as the middle school students but will have additional reading/research assignments which they will present to the class to deepen our understanding of the medieval world and its people.

PARENTS SHOULD PURCHASE:

None

CO-OP WILL PROVIDE:

Book of the Middle Ages, by Dorothy Mills, Memoria Press edition (ISBN: 9781547702398)

The Hidden Treasure of Glaston, by Eleanore M. Jewett

Blood Feud, by Rosemary Sutcliff

History map student pages

Class: 6th-High School Christian Instruction

TEACHER: Fr. Photius Avant – fatherphotius@gmail.com

DESCRIPTION: Students will learn about the Orthodox Christian Faith through study of the New Testament. In the course of the school year, each student will read the complete New Testament and be able to comment upon the contents and meaning of the texts, the relationship of those texts to the Old Testament, and the place of those texts in the worship and doctrine of the Orthodox Church.

PARENTS SHOULD PURCHASE:

The Orthodox Study Bible

CO-OP WILL PROVIDE:

None

Class: 6th-High School Music

TEACHER: Mat. Carissa Avant – carissaavant@gmail.com

DESCRIPTION: Students will continue learning solfege-based sight-singing methods, basic music theory, and the basics of Orthodox liturgical music. Students will memorize the eight obhikod stichera tones and will learn the musical components of the Divine Liturgy of St. John Chrysostom. They will prepare music for non-liturgical performances as well, such as for the parish Christmas recital and an end-of-year showcase.

PARENTS SHOULD PURCHASE:

None

CO-OP WILL PROVIDE:

Sheet music and theory worksheets

Class: 6th-High School Art Fundamentals

TEACHER: Rachel Friday – museofmind@protonmail.com

PARENTS SHOULD PURCHASE:

None

CO-OP WILL PROVIDE:

Art supplies