



LEARN Academics Schedule and Course Details 2023-2024

**Material Fees are paid to the instructors directly. The fee is not applied during activity registration.
Activity Fees and Material Fees do not include textbooks, which are paid for by the parents separately.*

Click on any Activity to see course details such as description, textbooks, instructor contact and bio.

Tuesday	Activity <i>(Click on activity for details)</i>	Grades	Instructor	Location	Activity Fee	*Material Fee
1:00-2:30pm	Algebra 2	10 th -12 th	Beth Bass	Upper Room 4	\$515	\$15

Wednesday	Activity <i>(Click on activity for details)</i>	Grades	Instructor	Location	Activity Fee	*Material Fee
8:00-9:30am	Math 7/8	6 th -8 th	Melinda Coutts	Upper Room 3	\$515	\$10
	Introduction to Literature	8 th -12 th	Nathaniel Miller	Upper Room 4	\$515	-
	Chemistry	9 th -12 th	Christina Musser	Upper Room 1	\$515	\$40
9:40-11:10am	Pre-Algebra	7 th -8 th	Melinda Coutts	Upper Room 3	\$515	\$10
	Biology	9 th -12 th	Christina Musser	Upper Room 1	\$515	\$35
11:20am-12:50pm	Middle School Grammar	6 th -8 th	Suzi Brummett	Upper Room 4	\$515	-
1:00-2:30pm	General Science	6 th -8 th	Donie Nichols	Upper Room 1	\$515	\$35
	Geography	8 th -12 th	Melinda Coutts	Upper Room 3	\$515	\$20

Thursday	Activity <i>(Click on activity for details)</i>	Grades	Instructor	Location	Activity Fee	*Material Fee
9:40-11:10am	Geometry	9 th -12 th	Beth Bass	Upper Room 4	\$515	\$15
11:20am-12:50pm	Algebra 1	8 th -12 th	Beth Bass	Upper Room 4	\$515	\$15

LEARN Academics Course Details: 2023-2024

Algebra 1

Contact Instructor: [Beth Bass](#)

- **Pre-Requisite Course:** 7th grade general math level or Pre-Algebra
- **Weekly School Work Hours at Home:** 5 hours
- **Textbooks and Materials:** Purchase from [Homeschool Gathering Place](#) or online at recommended links below.
 - *Algebra 1 Legacy Edition Level-Up Base Set*, Math-U-See: [Demme Learning](#)
- **Description**
 - Algebra 1 teaches basic algebra concepts using symbolic reasoning. These concepts include linear equations, inequalities, graphs, systems of equations, exponents, polynomials, and quadratic equations. Additional concepts include unit multipliers, scientific notation, significant digits, and conic graphs. Problem-solving skills are emphasized when working word problems.
- **Instructor Bio**
 - Beth received her BS in Applied Mathematics from NC State University and her teaching certificate from The University of North Carolina at Chapel Hill. She taught 8th grade math, Algebra 1, and Geometry in the Wake County Public School System before starting her family. She and her husband have homeschooled their three children since kindergarten with their oldest having graduated from college. Beth has taught a variety of homeschool classes over the years and looks forward to teaching students again at New Life Camp.

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LEARN Academics Course Details: 2023-2024

Algebra 2

Contact Instructor: [Beth Bass](#)

- **Pre-Requisite Course:** Algebra 1
- **Weekly School Work Hours at Home:** 5 hours
- **Textbooks and Materials:** Purchase from [Homeschool Gathering Place](#) or online at recommended links below.
 - *Algebra 2 Universal Set*, Math-U-See: [Demme Learning](#)
- **Description**
 - Algebra 2 builds and expands upon concepts learned in Algebra 1. These include graphing, factoring, and solving linear, quadratic, and exponential functions along with solving systems of equations and conic functions. New concepts include imaginary numbers, binomial theorem, distance/midpoint formulas, distance/age/mixture problems, vectors and solving equations with three variables. Throughout the course, graphing and real-life models are emphasized.
- **Instructor Bio**
 - Beth received her BS in Applied Mathematics from NC State University and her teaching certificate from The University of North Carolina at Chapel Hill. She taught 8th grade math, Algebra 1, and Geometry in the Wake County Public School System before starting her family. She and her husband have homeschooled their three children since kindergarten with their oldest having graduated from college. Beth has taught a variety of homeschool classes over the years and looks forward to teaching students again at New Life Camp.

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LEARN Academics Course Details: 2023-2024

Biology

Contact Instructor: [Christina Musser](#)

- **Weekly School Work Hours at Home:** 1 hour per day for average reader
- **Textbooks and Materials:** Purchase from [Homeschool Gathering Place](#) or online at recommended links below.
 - *Discovering Design with Biology, Student Textbook* by Dr. Jay Wile, Berean Builders
 - *Answer Key & Tests for Discovering Design with Biology* by Dr. Jay Wile, Berean Builders
 - Purchase both as a bundle: [Berean Builders](#)
- **Description**
 - High School Biology is intended to provide an introduction into the realm of biology from a Christian perspective. This activity will give the participant an understanding of the breadth of study going on in biology and prepare them for further studies in other fields of science. Heavily emphasizing the vocabulary of biology, it provides the student with a background in the scientific method, classification scheme, microscopy, biochemistry, molecular and Mendelian genetics, evolution, ecology, and dissections. Please note that this activity does not discuss human anatomy and physiology; human anatomy and physiology is such a detailed subject that it warrants its own activity.
- **Instructor Bio**
 - Christina Musser has B.S. degrees in Biochemistry and Zoology and has been teaching homeschool science classes for the last 15 years. She has homeschooled her two children from kindergarten through 12th grade. Before having children, she worked for the EPA and NCSU in Biotechnology research. She has a passion for quality science teaching that incorporates Creation Science and Intelligent Design information showing students they can both stand on God's word and be good scientists.

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LEARN Academics Course Details: 2023-2024

Chemistry

Contact Instructor: [Christina Musser](#)

- **Pre-Requisite Course:** Algebra 1
- **Weekly School Work Hours at Home:** 1-1.25 hours per day for average reader
- **Textbooks and Materials:** Purchase from [Homeschool Gathering Place](#) or online at recommended links below.
 - *Discovering Design with Chemistry, Student Text* by Dr. Jay Wile, Berean Builders
 - *Answer Key & Tests for Discovering Design with Chemistry* by Dr. Jay Wile, Berean Builders
 - Purchase both online: [Christian Book Distributors](#)
- **Description**
 - This course addresses the theoretical and mathematical basis of chemistry. This college-prep course covers topics including measurement and units, atoms and molecules, chemical and physical changes, stoichiometry, atomic and molecular structure, acids, and bases, balancing chemical equations, polyatomic ions and molecular geometry, chemistry of solutions, gas phase laws, thermodynamics, kinetics, chemical equilibrium, and oxidation reduction reactions. This course also has a strong lab component with students performing a variety of experiments including micro-scale chemistry experiments with “real” science equipment and writing formal (college style) lab reports.
- **Instructor Bio**
 - Christina Musser has B.S. degrees in Biochemistry and Zoology and has been teaching homeschool science classes for the last 15 years. She has homeschooled her two children from kindergarten through 12th grade. Before having children, she worked for the EPA and NCSU in Biotechnology research. She has a passion for quality science teaching that incorporates Creation Science and Intelligent Design information showing students they can both stand on God’s word and be good scientists.

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LEARN Academics Course Details: 2023-2024

General Science

Contact Instructor: [Donie Nichols](#)

- Weekly School Work Hours at Home: 4 hours
- Textbooks and Materials:
 - *Apologia General Science, Student Text, 2nd Edition* by Dr. Jay Wile, Apologia
 - *Apologia General Science, Solution and Test Manual, 2nd Edition* by Dr. Jay Wile, Apologia
 - Used copies available below:
 - [Facebook Marketplace](#)
 - [Homeschool Classifieds](#)
 - [Amazon](#)
 - [Buy or Rent used copies from the instructor](#): Buy (\$20 textbook, \$15 solution/test manual) or rent (\$15 textbook, \$10 solution/test manual + \$25 deposit refundable on safe return)
 - The material fee for this course includes a consumable student notebook provided by the instructor on first day of class.
- Description
 - This course covers a wide range of the branches of science while making the connections between each. Students will learn what science is and, in a detailed and engaging way, how to utilize the proper scientific method. This course includes many hands-on science experiments in class and a focus on writing lab reports.
- Instructor Bio
 - Donie Nichols has taught Apologia General Science in a homeschool class setting for 13 years and thoroughly enjoys the material and working with students to gain a love of science. She has homeschooled for over 20 years and graduated four of her daughters (the younger two currently being in high school). Donie graduated from Auburn University with a B.S. degree in Industrial Engineering.

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LEARN Academics Course Details: 2023-2024

Geography

Contact Instructor: [Melinda Coutts](#)

- **Weekly School Work Hours at Home:** 5 hours
- **Textbooks and Materials:** Purchase from [Homeschool Gathering Place](#) or online at recommended links below.
 - *Exploring the World through Cartography*, Classical Conversations: [Classical Conversations](#)
- **Description**
 - This course covers a visually rich exploration of the world through maps. The introduction explains different types of map projections as well as a brief history of cartography. Organized by continent/region, each unit begins with a list of questions to research and answer. Full-color physical and political maps are included along with blank outline maps to use for tracing, drawing, and tests. Regional sections discuss history, people, politics, how geography influenced the region's development, and other interesting facts alongside historical maps and photos of artwork, artifacts, and people. Integrating history, art, geography, cultural studies, and geography, this unique text is a fascinating way to study the earth!
- **Instructor Bio**
 - Melinda Coutts graduated from NCSU with a business degree and a concentration in marketing. After graduating, she worked as a market research analyst / consultant in the pharmaceutical industry for over ten years. Once Melinda and her husband, David, started their family, Melinda decided to stay home with their four kids. After their kids reached school age, they joined a homeschool group called Classical Conversations. God gave Melinda a sincere passion for children, and she ended up tutoring Foundations, Essentials, and Challenge A for Classical Conversations for about 12 years. She has taught at New Life Camp one year and she tutors math on the side. Melinda considers her strengths to be in teaching math and science, but she is also certified in IEW and Lost Tools of Writing.

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LEARN Academics Course Details: 2023-2024

Geometry

Contact Instructor: [Beth Bass](#)

- **Pre-Requisite Course:** Algebra 1
- **Weekly School Work Hours at Home:** 4-6 hours
- **Textbooks and Materials:** Purchase from [Homeschool Gathering Place](#) or online at recommended links below.
 - *Geometry Universal Set*, Math-U-See: [Demme Learning](#)
- **Description**
 - Geometry emphasizes logic and paying attention to detail. Concepts include understanding basic components (points, lines, angles, etc.), regular polygons, circles, volume and surface area of solids, the Pythagorean theorem to identify triangle attributes, transformations, and two-column proofs. The course emphasizes following directions through constructions and geometry-related projects. Algebra skills are reinforced throughout the curriculum and basic trigonometric functions are introduced.
- **Instructor Bio**
 - Beth received her BS in Applied Mathematics from NC State University and her teaching certificate from The University of North Carolina at Chapel Hill. She taught 8th grade math, Algebra 1, and Geometry in the Wake County Public School System before starting her family. She and her husband have homeschooled their three children since kindergarten with their oldest having graduated from college. Beth has taught a variety of homeschool classes over the years and looks forward to teaching students again at New Life Camp.

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LEARN Academics Course Details: 2023-2024

Introduction to Literature

Contact Instructor: [Nathaniel Miller](#)

- **Pre-Requisite Course:** Middle School Grammar
- **Weekly School Work Hours at Home:** 4-5 hours
- **Textbooks and Materials:** Purchase from [Homeschool Gathering Place](#) or online at recommended links below.
 - *The Advent of the Lamb of God* by Russ Ramsey, InterVarsity Press: [Amazon](#)
 - *An Introduction to Poetry* arranged by Nissa Rudd & Nathaniel Miller (free download – will be made available before first class)
 - *The Important of Being Earnest* by Oscar Wilde, Dover Thrift Edition: [Amazon](#)
 - *The Call of the Wild* by Jack London, Dover Thrift Edition: [Amazon](#)
 - *White Fang* by Jack London, Dover Thrift Edition: [Amazon](#)
 - *The Prince and the Pauper* by Mark Twain, Dover Thrift Edition: [Amazon](#)
 - *A Christmas Carol* by Charles Dickens, Dover Thrift Edition: Purchase Online – [Amazon](#)
 - *Introduction to the Short Story* by Robert Watson, Smarr Publishers (free download – will be made available before first class)
 - *The Scarlet Pimpernel* by Baroness Emmuska Orczy, Dover Thrift Edition: Purchase Online-
[Amazon](#)
 - *Great Expectations* by Charles Dickens, Dover Thrift Edition: Purchase Online – [Amazon](#)
- **Description**
 - Story is important – it is largely through story that the Scriptures were given to us. God uses story to share His grand story of love with us. His story is so good and so thorough that literature reflects the grander truths of Scripture, even by authors that have no regard for it. These are truths that can impact and change our lives. The pursuit of this course is to emphasize a Biblical worldview through the lens of literature. Students will read through various classic novels, short stories, and poetry designed to enjoy these story forms and to think critically over the subject matter and issues revealed. Students will also write 6 argumentative-style essays over the course of the year that focus on themes of the reading. This course is designed to prepare students for upper-level high school literature courses where critical literary analysis is more advanced.
- **Instructor Bio**
 - Nathaniel Miller has served on the full-time staff of New Life Camp for over 20 years. He became the Director of LEARN at New Life Camp in 2011. He began teaching literature at LEARN in 2012. He has a great love for stories and how the truly good ones echo the true story of Christ. Nathaniel graduated from Tennessee Temple University in 2002 with a B.A. degree in Biblical Studies.

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LEARN Academics Course Details: 2023-2024

Math 7/8

Contact Instructor: [Melinda Coutts](#)

- **Weekly School Work Hours at Home:** 1 hour per day, 5 hours per week
- **Textbooks and Materials:** Purchase from [Homeschool Gathering Place](#) or online at recommended links below.
 - *Saxon Math 8/7, 3rd Edition, Student Text*, Saxon Publishing
 - *Saxon Math 8/7, 3rd Edition, Solutions Manual*, Saxon Publishing
 - *Saxon Math 8/7, 3rd Edition, Tests and Worksheets*, Saxon Publishing
 - Buy all 3 as a bundle: [Christian Book Distributors](#)
- **Description**
 - This course would teach Saxon Math level 7/8. It is designed for students in 6th - 8th grade, who are not ready for pre-algebra. Four lessons would be covered in class each week, and the students would complete homework related to these lessons at home. In addition, a weekly test would also be sent home each week to track the progress and mastery of the student.
- **Instructor Bio**
 - Melinda Coutts graduated from NCSU with a business degree and a concentration in marketing. After graduating, she worked as a market research analyst / consultant in the pharmaceutical industry for over ten years. Once Melinda and her husband, David, started their family, Melinda decided to stay home with their four kids. After their kids reached school age, they joined a homeschool group called Classical Conversations. God gave Melinda a sincere passion for children, and she ended up tutoring Foundations, Essentials, and Challenge A for Classical Conversations for about 12 years. She has taught at New Life Camp one year and she tutors math on the side. Melinda considers her strengths to be in teaching math and science, but she is also certified in IEW and Lost Tools of Writing.

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LEARN Academics Course Details: 2023-2024

Middle School Grammar

Contact Instructor: [Suzi Brummett](#)

- **Weekly School Work Hours at Home:** 3-4 hours
- **Textbooks and Materials:** Purchase from [Homeschool Gathering Place](#) or online at recommended links below.
 - *Saxon Grammar and Writing 7 Teacher's Guide, 2nd Edition:* [Rainbow Resource Center](#)
 - *Saxon Grammar and Writing 7 Student Textbook, 2nd Edition:* [Rainbow Resource Center](#)
 - Materials needed: composition notebook or a 1 subject notebook for dictations and vocabulary
- **Description**
 - This class is a grammar intensive class focusing on things like parts of speech, punctuation, capitalization, diagramming, sentence types and structure, vocabulary, and word usage. We will also have weekly spelling and vocabulary tests to improve language skills.
- **Instructor Bio**
 - Suzi graduated from Bob Jones University with a B.S. degree in English Education and a minor in music. She has a great passion for teaching grammar and enjoys seeing students learn how all the aspects of grammar work together. She previously taught in the public school system and tutored privately. She also home-schooled her four daughters. In her free time, Suzi enjoys reading, cooking, being outside, playing games, and hanging out with her family.

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LEARN Academics Course Details: 2023-2024

Pre-Algebra

Contact Instructor: [Melinda Coutts](#)

- **Weekly School Work Hours at Home:** 5 hours, 1 per day
- **Textbooks and Materials:** Purchase from [Homeschool Gathering Place](#) or online at recommended links below.
 - *Saxon Algebra ½ Student Textbook, 3rd Edition*, Saxon Publishing
 - *Saxon Algebra ½ Homeschool Packet, 3rd Edition*, Saxon Publishing
 - *Saxon Algebra ½ Test Forms, 3rd Edition*, Saxon Publishing
 - *Saxon Algebra ½ Solutions Manual, 3rd Edition*, Saxon Publishing
 - Purchase all 4 together as a kit: [Christian Book](#)
- **Description**
 - This course is the culmination of pre-algebra mathematics, a full pre-algebra course and an introduction to geometry and discrete mathematics. Topics covered include prime and composite numbers; fractions & decimals; order of operations, coordinates, exponents, square roots, ratios, algebraic phrases, probability, the Pythagorean Theorem and more. Utilizing an incremental approach to math, your students will learn in small doses, increasing retention of knowledge and satisfaction!
- **Instructor Bio**
 - Melinda Coutts graduated from NCSU with a business degree and a concentration in marketing. After graduating, she worked as a market research analyst / consultant in the pharmaceutical industry for over ten years. Once Melinda and her husband, David, started their family, Melinda decided to stay home with their four kids. After their kids reached school age, they joined a homeschool group called Classical Conversations. God gave Melinda a sincere passion for children, and she ended up tutoring Foundations, Essentials, and Challenge A for Classical Conversations for about 12 years. She has taught at New Life Camp one year and she tutors math on the side. Melinda considers her strengths to be in teaching math and science, but she is also certified in IEW and Lost Tools of Writing.

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