

# KONOS CONNECTION

## SUPPLEMENTARY COURSES

All courses offered through KONOS CONNECTION are accredited through the Georgia Accrediting Commission and are open to all home-schooling students. These are supplementary courses in addition to our KONOS KIDS (grades 4-6), KONOS JUNIORS (grades 7-8), and KONOS ACADEMY (grades 9-12) one-day programs.

### **Spanish I**

Teacher: Jan Gibbs, B.S. education from Baylor and M.A. biblical studies from Dallas Seminary, home-schooled her three sons, and has taught Spanish for several years.

Course Description: Introductory written and spoken Spanish

Prerequisite: For any high school student, or 8<sup>th</sup> grader who maintains an 85 or above average each semester in order to receive high school credit.

Materials: Rosetta Stone software, VERSION 3, Level 1, Latin American Spanish, which you purchase

Cost: \$45 per month + one time expense for Rosetta Stone software (see above)

\*\* The software is less expensive if you purchase a Level 1&2 combo package

Time and Location: Wednesday 3:00-4:15 at Covenant House (site of KONOS Academy)

Contact: 770-631-4655 or 770-289-5390, [jgibbs76@gmail.com](mailto:jgibbs76@gmail.com)

### **Spanish II**

Teacher: Jan Gibbs, B.S. education from Baylor and M.A. biblical studies from Dallas Seminary, home-schooled her three sons, and has taught Spanish for several years.

Course Description: Continuation of written and spoken Spanish; grammar and conversation

Prerequisite: High school students who have completed Spanish I; prerequisite testing for those who did not complete Spanish I with Mrs. Gibbs

Materials: Rosetta Stone software, VERSION 3, Level 2, Latin American Spanish, which you purchase

Cost: \$45 per month + materials (see above)

\*\* The software is less expensive if you purchase a Level 1&2 combo package

Time and Location: Tuesday 3:00-4:30 at Covenant House (site of KONOS Academy)

Contact: 770-631-4655 or 770-289-5390, [jgibbs76@gmail.com](mailto:jgibbs76@gmail.com)

### **Essential Math Skills (for grades 3-6)**

Teacher: Debi Montgomery, B.A. in Business from Georgia State University, owner and teacher at Rising Star Montessori for the last ten years. Debi is an experienced and impassioned teacher of math and has coached the Math Olympiad.

Course Description: Using the Math-U-See curriculum we will learn the basic math operations using a hands-on approach. Each student will be taught at and proceed according to his/her own level and pace.

Materials: The students will be provided equipment to be taken home to use as well as books based on their individual level; *Essential Math Skills*

Cost: \$50 per month

Time and Location: Tuesday 9:00-11:00 at Rising Star Montessori School; Wednesday 9:00-11:00 at Rising Star

Contact: [risingstarschool@aol.com](mailto:risingstarschool@aol.com)

### **Middle School Math (for grades 6-8)**

Teacher: Debi Montgomery, B.A. in Business from Georgia State University, owner and teacher at Rising Star Montessori for the last ten years. Debi is an experienced and impassioned teacher of math and has coached the Math Olympiad.

Course Description: Using the Math-U-See curriculum the students will learn all operations needed to prepare directly for Pre-algebra. We will focus on fractions, decimals, percentages, and word problems. Each child will be taught at and proceed according to his/her own level and pace.

Materials: We will be using the hands on approach where each child will be provided with his/her own equipment and books.

Cost: \$50 per month

Time and Location: Tuesday 3:00-4:30 at Covenant House; Wednesday 3:00-4:30 at Covenant House

Contact: [risingstarschool@aol.com](mailto:risingstarschool@aol.com)

### **Pre-algebra**

Teacher: Debi Montgomery, B.A. in Business from Georgia State University, owner and teacher at Rising Star Montessori for the last ten years. Debi is an experienced and impassioned teacher of math and has coached the Math Olympiad

Course Description: Builds upon the essential skills of arithmetic. Numbers and linear equations, linear inequalities, factoring, fractions, graphing and some elements of geometry are stressed.

Prerequisite: Prerequisite testing

Materials: Math-U-See student workbook – approximate cost \$60.00

Cost: \$50 per month

Time and Location: Thursday 11:00-1:00 at Carriage Lane

Contact: [risingstarschool@aol.com](mailto:risingstarschool@aol.com)

### **Algebra I**

Teacher: Debi Montgomery, B.A. in Business from Georgia State University, owner and teacher at Rising Star Montessori for the last ten years. Debi is an experienced and impassioned teacher of math and has coached the Math Olympiad.

Course Description: In-depth introduction of variables, constants, expressions and equations. Topics covered will be: solving equations, simplifying expressions, understanding order of operations, using properties, arithmetic operations with positive and negative numbers. Polynomials, factoring, graphing (linear and quadratic equations), working with radicals and expanding arithmetic knowledge.

Prerequisite: Pre-Algebra; prerequisite testing

Materials: Student workbook – approximate cost \$60.00

Cost: \$50 per month

Time and Location: Thursday 1:00-3:00 at Carriage Lane

Contact: [risingstarschool@aol.com](mailto:risingstarschool@aol.com)

### **Geometry**

Teacher: Debi Montgomery, B.A. in Business from Georgia State University, owner and teacher at Rising Star Montessori for the last ten years. Debi is an experienced and impassioned teacher of math and has coached the Math Olympiad.

Course Description: A comprehensive course featuring coverage of geometric terms and processes, logic and problem solving. Includes topics such as parallel lines and planes, congruent triangles, inequalities and quadrilaterals. Various forms of proof are studied. Emphasis is placed upon reasoning and problem solving skills gained through study of similarity, areas, volumes, circles, and coordinate geometry.

Prerequisite: Algebra I; prerequisite testing

Materials: Math-U-See student workbook – approximate cost \$60.00

Cost: \$50 per month

Time and Location: Thursday 9:00-11:00 at Carriage Lane

Contact: [risingstarschool@aol.com](mailto:risingstarschool@aol.com)

### **Algebra II**

Teacher: Debi Montgomery, B.A. in Business from Georgia State University, owner and teacher at Rising Star Montessori for the last ten years. Debi is an experienced and impassioned teacher of math and has coached the Math Olympiad.

Course Description: This course expands on the topics of Algebra I and provides further development of the concept of a function. Topics include: (1) relations, functions, equations and inequalities; (2) conic sections; (3) polynomials; (4) algebraic fractions; (5) logarithmic and exponential functions; (6) sequences and series; and (7) counting principles and probability.

Prerequisite: Algebra I; prerequisite testing

Materials: Math-U-See student workbook – approximate cost \$60.00

Cost: \$50 per month

Time and Location: Thursday 3:00-5:00 at Carriage Lane

Contact: [risingstarschool@aol.com](mailto:risingstarschool@aol.com)

## **Business Math**

Teacher: Duncan Gibbs, MBA, West Texas A&M University, Th.M., Dallas Seminary,  
post-graduate studies at Georgia Institute of Technology, University of Chicago, University of Texas  
- Retired director of Information Technology, The Coca-Cola Company  
- Father of three home schooled sons, all graduates of KONOS  
- Former instructor, West Texas State University, Information Systems

Course Description: One of the most useful math classes available, this is designed for the student who needs a fourth credit in mathematics, does not plan to major in a technical field in college and is interested in how mathematics is used in business and everyday life. Focusing on the practical uses of mathematics, the course covers such areas as taxes, credit, insurance, wages, investments, financial sheets, interest charges and time value of money. The course also provides a solid foundation in use of Microsoft's Excel (2007 version).

Prerequisite: Completion of Algebra I and passing grade on essential math skills prerequisite test (test dates TBD)

Materials: *Business Mathematics: A Collegiate Approach* by Rouche, Graves and Tuttle, approx. \$50;  
- Basic calculator such as that used in algebra  
- Microsoft Office Excel 2007

Cost: \$50 per month

Time and Location: Thursday 11:00-1:00 at Carriage Lane

Contact: [gibbs76b@gmail.com](mailto:gibbs76b@gmail.com)

## **Pre-calculus/Advanced Math**

Teacher: Duncan Gibbs, MBA, West Texas A&M University, Th.M., Dallas Seminary,  
post-graduate studies at Georgia Institute of Technology, University of Chicago, University of Texas  
- Retired director of Information Technology, The Coca-Cola Company  
- Father of three home schooled sons, all graduates of KONOS  
- Former instructor, West Texas State University, Information Systems

Course Description: For the student who plans to major in science, mathematics or engineering, or who has a passion for advanced mathematics. This course utilizes the disciplines of algebra, trigonometry, and geometry to prepare the student for college level calculus.

Prerequisite: Completion of Algebra II and geometry and passing grade on the precalculus prerequisite test (test dates TBD)

Materials: *Precalculus* by Robert Blitzer, 3rd edition, cost approx \$50  
- Graphing calculator, Texas Instruments TI-84 Plus or similar model

Cost: \$50 per month

Time and Location: Thursday 9:00-11:00 at Carriage Lane

Contact: [gibbs76b@gmail.com](mailto:gibbs76b@gmail.com)

## **Calculus**

Teacher: Duncan Gibbs, MBA, West Texas A&M University, Th.M., Dallas Seminary,  
post-graduate studies at Georgia Institute of Technology, University of Chicago, University of Texas  
- Retired director of Information Technology, The Coca-Cola Company  
- Father of three home schooled sons, all graduates of KONOS  
- Former instructor, West Texas State University, Information Systems

Course Description: For the student who plans to major in science, mathematics or engineering, or who has a passion for advanced mathematics and wants to get a head start on higher level mathematics. I love this class for it is based on an intuitive approach which allows the student to understand the why and how of calculus in contradistinction to the more traditional mechanical approach. The course covers single variable differentiation and integration for explicit and implicit functions, the chain rule, related rates, maxima and minima, trig functions, logarithmic and exponential functions. A particular stress is laid on practical problems.

Prerequisite: Successful completion of the calculus prerequisite test (test dates TBD)

Materials: *Calculus: An Intuitive and Physical Approach*, Morris Kline, Dover Publishing, approx. \$25  
- Graphing calculator, Texas Instruments TI-84 Plus or similar model

Cost: \$60 per month

Time and Location: Gibbs' home, date/time TBA

Contact: [gibbs76b@gmail.com](mailto:gibbs76b@gmail.com)

## Physical Science

Teacher: Susan Hayes, B.S. Georgia College and State University, M.S. education, Regent University, has taught science for 15 years in Christian education.

Course Description: This two-semester course is intended to give freshmen students a fundamental understanding of chemistry and physics. It will prepare them for more advanced work in high school. 8th grade students who are taking Algebra I are encouraged to enroll in Physical Science.

Prerequisite: Must be taking Algebra I

Materials: The text is *Glencoe Physical Science*, 9th Grade. Books and all lab materials provided by the teacher. Required lab book (\$1.50) at the beginning of the year if student doesn't have one from the previous year.

Cost: \$56 per month and a one-time lab fee of \$50.

Time and Location: Wednesday 8:00-10:00 at the Cabin; Thursday 3:00-5:00 at Carriage Lane

Contact: [susahayes@yahoo.com](mailto:susahayes@yahoo.com)

## Life Science

Teacher: Susan Hayes, B.S. Georgia College and State University, M.S. education, Regent University, has taught science for 15 years in Christian education.

Course Description: This course deals with the life processes of organisms, genetics and the origins of life from a biblical perspective. It also presents concepts in microbiology and plant biology with a look at the animal kingdom and ecosystems.

Prerequisite: No prerequisite

Materials: Bob Jones Life Science text will be provided. Students must purchase a lab book (\$1.50) at the beginning of the year if they do not have the one from the previous year.

Cost: \$56 per month and a one-time lab fee of \$50.

Time and Location: Wednesday 1:00-3:00 at the Cabin; Thursday 9:00-11:00 at Carriage Lane

Contact: [susahayes@yahoo.com](mailto:susahayes@yahoo.com)

## Biology

Teacher: Susan Hayes, B.S. Georgia College and State University, M.S. education, Regent University, has taught science for 15 years in Christian education.

Course Description: This two-semester course is a complete overview of molecular/microscopic biology, environmental science, genetics and a complete study of zoology for the freshman or sophomore student. During this class students do approximately twenty full labs along with several outside projects.

Prerequisite: none

Materials: BJU press text is used. 9th-10th grade. Books and lab materials provided. Students must purchase a lab book (\$1.50) at the beginning of the year if they do not have one from the previous year.

Cost: \$56 per month and a one-time lab fee of \$50.

Time and Location: Thursday 11:00-1:00 at Carriage Lane

Contact: [susahayes@yahoo.com](mailto:susahayes@yahoo.com)

## Chemistry

Teacher: Susan Hayes, B.S. Georgia College and State University, M.S. education, Regent University, has taught science for 15 years in Christian education.

Course Description: This college preparatory course is designed to meet or exceed Georgia Performance Standards as published by Georgia's Department of Education. The class format consists of one hour of lecture and one hour of hands-on laboratory. The following topics are covered: Matter Classification, Atomic Theory, Periodicity, Bonding, Chemical Reactions, Law of Mass Conservation, Empirical and Molecular Formulas, Stoichiometry, Kinetic Theory, Gas Laws, Solution Chemistry and Acid/Base Chemistry.

Each week there are text and laboratory assignments. The course also includes in-class quizzes, proctored exams, a midterm and final exam.

Prerequisite: Must have completed Algebra I (10<sup>th</sup> or 11<sup>th</sup> grade)

Materials: Prentice Hall's *Chemistry: The Study of Matter* will be provided. Students will need to purchase a lab book (\$1.50) if they do not have one from the previous year.

Cost: \$56 per month and a one-time lab fee of \$50.

Time and Location: Wednesday 10:00-12:00 at the Cabin; Thursday 1:00-3:00 at Carriage Lane

Contact: [susahayes@yahoo.com](mailto:susahayes@yahoo.com)

## **Environmental Science**

Teacher: Susan Hayes, B.S. Georgia College and State University, M.S. education, Regent University, has taught science for 15 years in Christian education.

Description: This survey course is designed to provide students with a sound foundation in basic principles and unifying concepts of Environmental Science. Topic selection is based on major themes of modern environmental sciences: humans and sustainability; science and ecological principles; sustaining biodiversity and natural resources; and sustaining environmental quality and human societies. Students will gain an awareness of the importance of Earth's systems in sustaining our daily lives, plus the scientific foundation and tools needed to apply critical thought to contemporary environmental issues.

Prerequisite: Must have completed at least two high school level sciences

Materials: TBA. Students will need to purchase a lab book (\$1.50) if they do not have one from the previous year.

Cost: \$56 per month and a one-time lab fee of \$50.

Time and Location: Thursday 5:00-7:00 at Carriage Lane

Contact: [susahayes@yahoo.com](mailto:susahayes@yahoo.com)

## **Computer Science**

Teacher: David Chandler, B.S. electrical engineering from U. of Kansas and KONOS dad, has programmed since he was 14 and loves to help others create things using computers. He is the author of *Running a Perfect Web Site*, a computer best-seller published in 1995, and has worked as a Web applications developer and instructor at the Internet banking division of Intuit. He is the founder of RememberOneAnother.com, a recently-launched Web site to help Christians organize and share prayer requests.

Description: Students will learn the fundamentals of computer programming using the Java language with an emphasis on creating Web applications. This will be a fast-paced, hands-on course with a 2-3 hour programming assignment every week. The course will teach programming fundamentals applicable to any computer language, help your student develop logic and problem-solving skills, and give some appreciation of the difficulty of creating even simple, bug-free programs, with a corresponding appreciation for the knowledge and wisdom of our Creator. As part of the course, students will create a live Web application using Google AppEngine.

Prerequisite: Typing skill, love of computers, Algebra I helpful

Materials: Received at first class (approximate cost \$30); laptop computer

Cost: \$50 per month

Time and Location: Chandler home in Tyrone once a week for 2 hours, times TBA (by student preference)

Contact: 678-643-1833 or [dchandler@turbomanage.com](mailto:dchandler@turbomanage.com)

## **KONOS Communicators (Speech and Speech/Debate)**

Teacher: Joanne Lee, assisted by Melissa Futch

Description: For the first year student, this course will be an introduction to policy debate and/or public speaking.

For the returning student, this course will serve to further develop debate and speaking skills. Students will learn through weekly lectures, group activities, practice debate rounds, individual events practice, and participation in debate and speech conferences, community platforms and NCFCA tournaments. Students in junior track (ages 10/11 for speech and 11 for debate) will hone their skills through in-class lectures, activities, community platforms and competition.

Materials: TBA

Cost: \$60 per month for speech/debate; \$35 per month for speech only

Time and Location: Friday morning 9:00-10:45 for speech; 10:45-12:15 for debate; location TBA

Contact: [pilgrimontheway1@gmail.com](mailto:pilgrimontheway1@gmail.com) – 770-460-7078

## **Photography**

Teacher: Karen Stroud has received training in photography from Brooks Institute of Photography, West Coast School of Photography, Orange Coast College, Pasadena City College and has worked professionally in the portrait, wedding and photojournalism fields.

Description: The main focus of this class will be to organize and complete the KONOS Academy Yearbook.

There will be instruction in the basics of photography and photo assignments will be given for use in the yearbook.

Materials: Camera

Cost: \$20 per month

Time and Location: First and third Thursdays 5:00-6:30 at Carriage Lane.

## LOCATIONS

Covenant Presbyterian Church and Covenant House  
819 Hwy. 314  
Fayetteville 30214

Carriage Lane Presbyterian Church  
Lighthouse  
101 Carriage Lane  
Peachtree City 30269

The Cabin  
475 McBride Road  
Fayetteville 30215

Rising Star Montessori  
460 Lanier Ave E  
Fayetteville

## POLICIES AND PROCEDURES

- For specific questions about courses, please contact the teacher directly.
- To enroll in a course, send \$25 registration fee to KONOS CONNECTION. An application (which can be downloaded from the website [www.konos.org](http://www.konos.org)) is required for each student (who is not already enrolled in KONOS).
- As soon as your registration fee of \$25 is received, you will be notified by the teacher with detailed information.
- Each teacher arranges for and distributes materials.
- If a course has not met its minimum requirement of students, the registration fee will be refunded.
- Tuition is paid monthly by the first day of class. Checks are made payable to KONOS CONNECTION. The monthly tuition may be added to other KONOS courses and included in the student's folder or sent to the following:  
KONOS CONNECTION  
P.O. Box 142099  
Fayetteville, GA 30214
- Questions about tuition should be addressed to Sarah at 770-632-0771 on Tuesdays or Thursdays from 10:00-5:00.
- Please check website [www.konos.org](http://www.konos.org) for updated information on courses.

