



# SCCHE LEARNING CENTER ... CLASS OFFERINGS

***The SCCHE Learning Center provides Christ-centered, once-weekly college model classes to help facilitate parents' instruction in their middle and high school homeschooling endeavors. Class choices are offered on Mondays, Tuesdays, and Thursdays. Tuesday is the largest day for high school classes, and Thursday is the largest day for middle school classes.***

***The Learning Center is located at Liberty Church:  
709 Crestview Drive, O'Fallon, MO 63366***

Below is a listing of Learning Center classes currently scheduled for the 2022-2023 school year. Classes are listed within overarching subject categories (i.e. math, science), and within each subject, individual classes are listed with a general grade progression in mind.

Please note in class descriptions that some classes have textbooks provided.

## **ACT PREP**

**ACT Prep (gr 10-12):** *The Official ACT Prep Book 2022-2023 (ACT, pub 2022), Top 50 ACT Math Skills for a Top Score 2nd Ed (McGraw Hill, 2016), Top 50 ACT English, Reading and Science Skills for a Top Score 2nd Ed (McGraw Hill, 2016)*

...is a one-semester class that includes a review of ACT test tips and skills. Students will practice the skills on subtests each week and take 3 full tests during the semester.

## **ART / ART HISTORY**

**Art History with Weekly Projects (gr 6-8):** *Textbook and all supplies provided by instructor.*

Every week we will go back in time to a different point in art history and research an artist. We will look at their art and learn about the artist/ style/ time period. Then we will create a piece of art inspired by that artist.

**Art History with Weekly Projects (gr 9-12):** *Short Lessons in Art History Textbook and all supplies and provided.*

Every week we will go back in time to a different point in art history and research an artist. We will look at their art and learn about the artist/ style/ time period. Then we will create a piece of art inspired by that artist. For the High School level there is a weekly reading assignment and homework that dives in more detail on famous artists and their lives.

High School Text provided: Short Lessons in Art History by Phyllis Clausen

## **BIBLE / BIBLICAL WORLD VIEW**

**The Gospel and Spiritual Disciplines (gr 6-8):** *Textbooks and all supplies provided by instructor.*

First semester, students will answer the question, 'what is the gospel? If you were to ask 10 different Christians this question, you might get 10 different answers! But the answer is central to the Christian faith and something we can't afford to get wrong. In **semester two** with the foundation of the Gospel laid, we will look at God's word and examine three spiritual disciplines that are crucial for our walk and continued growth in our faith. We will learn to *hear his voice (Word)*, *have his ear (prayer)*, and *belong to his body (fellowship)*. Textbooks (What Is The Gospel? by Greg Gilbert, Conversion by Michael Lawrence, Habits of Grace by David Mathis), Bible, Study Guides, and highlighters all provided by instructor.

**The Gospel and Spiritual Disciplines (gr 9-12):** *Textbooks and all supplies provided by instructor.*

First semester, students will answer the question, 'what is the gospel? If you were to ask 10 different Christians this question, you might get 10 different answers! But the answer is central to the Christian faith and something we can't afford to get wrong. In **semester two** with the foundation of the Gospel laid, we will look at God's word and examine three spiritual disciplines that are crucial for our walk and continued growth in our faith. We will learn to *hear his voice (Word)*, *have his ear (prayer)*, and *belong to his body (fellowship)*. Textbooks (What Is The Gospel? by Greg Gilbert, Conversion by Michael Lawrence, Habits of Grace by David Mathis), Bible, Study Guides, and highlighters all provided by instructor.

## **BUSINESS / ECONOMICS / PERSONAL FINANCE**

### **Financial Fitness for Life (Math & Economics) (gr 6-8): *All materials provided by instructor.***

The students will work through Personal Finance, Money math and Economic topics in class with short activities to complement the in-class lessons for the students. Every year will have different activities where students acquire the tools needed for each of the four themes. The four themes are: earning an income, saving, spending and credit, and money management. Students will explore the basic economics concepts that will prepare them to be better citizens, consumers and workers.

### **Personal Finance Plus (gr. 10-12): *All copies of activities provided by instructor.***

... is a two-semester class covering financing for your future, home improvement, living within your means, and probability through activities, simulation, and projects. Students are expected to be handling some of their expenses and have some income. Alternate name: Adulting.

### **Financial Investment and Business Development (gr 9-12): *All classroom supplies provided by instructor.***

Students will learn how to start and run a business. As part of this, they will look at creating a business plan, developing a product, selling a product, and learning the accounting principles of managing their new business. The second semester students will be learning investments including: Savings Bonds, CDs, stocks, Bonds, Mutual Funds. As they develop an understanding of different investment products, they will be participating in a classroom stock market.

### **Economics (gr 9-12): *Principles of Economics* by N. Gregory Mankiw. Textbook and all classroom supplies provided.**

The course introduces the students to the fundamentals of economics and how individual units operate in the economy. The topics included are introduction to microeconomics, law of demand and supply, theory of cost and market mechanism, price and output determination under different market structures, introduction to macroeconomics, measuring national income, inflation, unemployment, theory of aggregate demand and aggregate supply, fiscal and monetary policy and financial institutions. Textbook and all classroom supplies provided by instructor.

## **DRIVER'S ED (IN CLASS)**

### **Ready for The Road (9-12): *Drive Right Skills and Application Student Workbook, 11<sup>th</sup> ed* (Prentiss Hall)**

This class is designed to prepare students to be safe on the roadways and utilizes a series of lectures and audio-visual aids to spark student discussion. This class also provides a solid base in rules of the road as well as real-life scenarios (what to do in an emergency/accident/etc.) to better prepare students to succeed on the roadways. The majority of class time will be spent in the classroom. However, there will be a class period to discuss/explore interior/exterior car features (lights/hazard lights/etc.) as well as learning how to change a tire and check basic fluid levels in a vehicle.

## **FOREIGN / WORLD LANGUAGES**

### **Sign Language 1 (Gr 8<sup>th</sup> – 12<sup>th</sup>): *No textbook required.***

This two-semester course in American Sign Language (ASL 1) introduces students to the language and culture of Deaf people in the United States and Canada. We focus on receptive and expressive language skills along with Deaf culture. Students will participate using a comprehensible input model that focuses on understanding first. Internet access required for the completion of weekly "At Home" assignments.

### **Sign Language 2 (gr 8– 12): *No textbook required.***

American Sign Language (ASL 2) is a two-semester course that builds on students' understanding and conversational skills learned in ASL 1 or by teacher permission. Students participate using a comprehensible input model that focuses on understanding first. Students' interests will guide this class as we explore conversations on a variety of topics. Internet access required for the completion of weekly "At Home" assignments.

### **Middle School Spanish (gr 6-8): Book To be determined (but provided by the instructor)**

...is a new two-semester class that aims to both help new students jump into Spanish as well as helping bridge the gap for students that are ready to progress beyond HeartStrong or other elementary Spanish classes before they move to Spanish 1 at the Learning Center. This class will focus on Spanish vocabulary and grammar rules building a solid foundation for developing good reading and comprehension skills to prepare for Highschool Spanish. Textbook is provided by the instructor. Classroom participation will involve reading aloud. There will be in- class quizzes and tests each semester as well as homework assigned each week.

**Spanish 1 (gr 9-12): Spanish for Highschool Carson Delossa (provided by instructor)**

...is a two-semester class that focuses on basic Spanish vocabulary and grammar rules building a foundation for developing good reading and comprehension skills. Textbook is provided by the instructor. Classroom participation will involve reading aloud. There will be 4 quizzes and two Tests per semester and homework is assigned each week.

**Spanish 2 (gr 9-12): ESPAÑOL EN VIVO! Level 3 Sarah Rowan (provided by instructor)**

...is a two-semester class for students that have completed Spanish 1 either at Learning Center or elsewhere. This class uses different thematic Units of study to develop fluency in reading, speaking and comprehension. Textbook is provided by the instructor. Classroom participation will involve reading aloud. There will be homework and quizzes each week and an Exam at the end of each Unit. A Cultural Presentation second semester will count towards the Final.

## **HISTORY AND GEOGRAPHY**

**High School World Geography (gr 9-12): National Geographic Student Atlas of the World.**

...is a two-semester course that covers the physical and cultural geography of the major world regions, with emphasis on climate and history'. Atlas, supplemental reading, and other materials will be provided by the instructor.

**Missouri History (gr 7-12): No textbook required.**

... is a two-semester study of its past – present – future endeavors. Each student will compile a notebook as we explore not only its rich history but regions, cities, government, famous Missourians, as well as (hopefully) memorizing or at least being familiar with her 114 counties. Resources encouraged to purchase: This Day in Missouri History – by Ross Malone and Missouri Road Map (free for AAA members)

**American History Through the Eyes of the Presidents (gr 7 - 12): Text requirements in description below.**

...is a two-year study. Each student will compile a notebook focusing on the lives of each of the U.S. Presidents, First Ladies & their families, states entering the union, and wars fought during each administration. Resources Needed: Outline Maps of each state & the entire United States and Book(s) on the lives of the presidents and their families. Optional Resource: History Bites series by Solomon Schmidt -- U.S. Presidential History Bites, U.S. History Bites, Major Wars History Bites (3 of the 7 series collection)

**High School American History (gr 9-12): Exploring American History by Ray Notgrass.**

...is a two-semester course that emphasizes the geographic and underlying cultural factors from the Age of Discovery to the modern era. Textbook and secondary materials (handouts, readings, exercises, etc.) are provided by the instructor.

**High School World History (gr 9-12): Exploring World History by Ray Notgrass.**

...is a two-semester course that emphasizes geographic and cultural factors determining development of societies from Creation to the modern era. Textbook and secondary materials (handouts, readings, exercises, etc.) are provided by the instructor.

## **LANGUAGE ARTS / LITERATURE / COMPOSITION**

**Middle School Grammar and Composition (gr 6 – 8): Textbook info to follow**

...is a two-semester class in which students will grasp the rules and nuances of the English language that will enable them to diagram, craft careful sentences and read complex works with fluency. Furthermore, students will study and create various writing strands that correlate with American History.

**IEW A with Grammar: (gr. 6-8): Fables, Myths and Fairy Tales 3rd Ed (Institute for Excellence in Writing)**

*Fables, Myths and Fairy Tales* is a two-semester writing course that applies the Structure and Style Writing Method taught by the Institute for Excellence in Writing. Units include writing from notes, retelling narrative stories, summarizing references, writing from pictures, and inventive writing. Short lessons on grammar will also be included. (Grammar curriculum TBD.) 3rd edition student workbook required.

**IEW B With Literature and Grammar: (gr. 7-9): U.S. History-Based Writing Lessons, 2<sup>nd</sup> Ed (Institute for Excellence in Writing)**

*U.S. History-Based Writing Lessons* is a two-semester writing course that applies the Structure and Style Writing Method taught by the Institute for Excellence in Writing. Units include writing from notes, summarizing references, inventive writing, formal essay models and a formal literature critique. Nine historical fiction selections will be read to enhance the students understanding of the time period as well as provide models of the structure and style. Short lessons on grammar will also be included. (Grammar curriculum TBD.) 2<sup>nd</sup> edition student workbook and literature selections are required.

**American Literature (gr 7 – 12): Textbook info to follow**

...is a two-semester differentiated class that centers around primary sources and the great books of the American tradition from the discovery to the present day , with a focus on and the central ideas they present, the ways in which they reflect the culture from which they emerged, and the impact they've had on American culture and heritage.

**Biblical Based Creative Writing (gr 9-12): Concise Bible Characters by Alexander Whyte**

Each week in class we will open our bibles to study a person from the Bible. We will fill in character sheets as we uncover the facts about this person's life. Then After completing their fact sheets about the person they will be given a writing assignment for that person. They will take this person's life perspective to complete a writing prompt for their homework with the information they have gathered. These writing prompts will hopefully help your children get more involved in the Bible stories and encourage your children to visualize important biblical events. Students will be asked to bring a bible to Class. All other materials are provided including textbook.

**High School Grammar and Composition (Gr 9<sup>th</sup> – 12<sup>th</sup>): Textbook pending**

...is a two-semester differentiated class in which students will review, enhance, and build off the existing grammar rules and syntax of the English language. Furthermore, students will study and create a step-by-step research paper that correlates with American History.

**Intro to College Comp (online course) (gr 9-12): MLA Handbook, 9<sup>th</sup> Ed**

This course covers mastery of composition and essay writing. Students will learn the basic structure of college level academic essays from start to finish, and will include writing comprehension, sentence structure, and organized thought. Skill focuses will be on critical thinking, MLA-style formatting, and college-level research. Grammar focuses will be individualized to the student and may include some basic grammar exercises as a baseline.

## **LOGIC**

**Logic (gr. 8-12): Introductory Logic, The Fundamentals of Thinking Well by James Nance & Douglas Wilson, 5<sup>th</sup> ed**

...is a two-semester class, in formal logic learning how to compose valid syllogisms and detect informal fallacies in normal English. Students are to purchase handbook. Students will complete 1 or 2 lessons per week with in-class quizzes.

## **MATHEMATICS COURSES (see also - Business / Economics / Personal Finance)**

**Math Tutoring (gr. 7-12): Book provided by student**

Individual or small group scheduled help in pre-Algebra through the Calculus. Scheduling can vary in frequency and length. Tutoring can be student led or instructor led.

**Math Essentials (gr 6-9): Mastering Essential Math Skills Book 2 3rd Edition by Richard W. Fisher (Math Essentials Press, pub 2018)**

...is a two-semester class that covers the basic operations with fractions and decimals, integers, and percents. Classroom work will involve discussion over new content. This class is geared for the student who is a struggling math learner.

**Middle School Math (gr 6-7): Everything you need to Ace Math in one Big Fat Notebook (Workman pub), provided.**

The focus on this middle school math class will be to make connections in math concepts. We will work through all essential middle school math concepts; covering two new concepts per week with a take home packet. We will also be working on speed for our multiplication tables. We will work through understanding and solving complex word problems by completing a word problem of the day. This class will help your middle schooler to build a strong foundation before the high school math classes.

**Prealgebra (gr 7-9): Pre-algebra (Abeka, 3rd edition)**

...is a two-semester class that prepares students for high school algebra. Class work will involve weekly quizzes and an overview of the week's lessons.

**Algebra 1 (gr 8-12): Saxon Algebra 1 An Incremental Development THIRD EDITION (required books – text book and answer key or solutions)NOTE: this is not the most current edition**

... is a two-semester class covering solving equations, unit conversion, graphing, solving systems of equations, fraction decimal and percent problems, integers, functions, graphs of functions, simplifying algebraic expressions, radicals, rational expressions and equations, and several geometry concepts. Students are responsible for purchasing required books.

**Algebra 2 (gr. 10-12): Saxon Algebra 2 (with Geometry), 2<sup>nd</sup> or 3rd ed**

... is a two-semester fast paced, thorough Algebra 2 class that includes a full semester of informal geometry. Students are to purchase book and answer key. Students will complete 4 lessons per week with short in-class quizzes.

**Algebra 2 (gr 9-12): Math U See Algebra 2 (required books – Instruction Manual and Student Workbook)**

... is a two-semester class covering solving equations, solving systems of equations, exponents, division of polynomials, quadratics, word problems, radicals and exponents, and conic sections. Students must have successfully completed Algebra 1 as a prerequisite. Students are responsible for purchasing required books.

**Geometry (gr 9-12) : Math U See Geometry (required books – Instruction Manual and Student Workbook)**

... is a two-semester class covering geometric concepts, angles, perpendicular, parallel, circles, area, volume, radicals, Pythagorean Theorem, special right triangles, trig ratios, and proof. Students must have successfully completed algebra 1 as a prerequisite. Students are responsible for purchasing required books.

**Trigonometry/Precalculus (gr 10-12): Math U See PreCalculus with Trigonometry (Instruction Manual and Student Workbook are both required)**

... is a two-semester class covering Pythagorean Theorem, special right triangles, trig ratio values for special angles, unit circle, logarithms, identity proofs, trig function graphs, functions, series and sequences, vectors, and limits. Students must have successfully completed algebra 1, geometry, and algebra 2 as prerequisites.

## **SCIENCES**

**Science Tutoring (gr. 7-12): Book provided by student**

Individual or small group scheduled help in any high school sciences. Scheduling can vary in frequency and length. Tutoring can be student led or instructor led.

**Earth Science (gr 6-8): Exploring Creation with Earth Science (Apologia)**

...is a two-semester course that will look at Earth's place in the universe, the spheres of the Earth, rocks, land forms, climate, weather, the cycles of life, and more. All ages of students will follow the same reading schedule, and there will be hands-on experiments and activities each week to reinforce the material. The instructor will provide a supplemental notebook and materials.

**General Science: (gr 7-8): Exploring Creation with General Science, 3<sup>rd</sup> Ed (Apologia)**

...is a two semester, full lab class designed to help students transition from elementary science studies to high school sciences. Students will gain a basic understanding of the world around them while learning to analyze experiments and think scientifically. Labs include growing crystals, making fossils, friction analysis, and more and culminate in a group Rube Goldberg experiment at the end of the year. Textbook, answer key, and student notebook all provided by the instructor.

**High School Physical Science (gr 9-12): Science: Matter and Energy (Abeka, pub 2012)**

...is a two-semester, full lab class that includes basic chemistry and physics. Classroom work will involve weekly quizzes and discussion over materials studied but will primarily focus on labs that correlate with the lessons learned during the week.

**High School Biology (gr 9-12\*): Discovering Design With Biology by Dr. Jay Wile (Berean Builders, pub 2022)**

...is a two-semester, full lab class that includes dissection and microscopic analysis. Textbook, answer key, lab book, and supplies provided by the instructor. Classroom work will involve weekly quizzes and discussion over materials studied but will primarily focus on labs that correlate with the lessons learned during the week.

\*8<sup>th</sup> grade students can take class with instructor permission.

**Advanced Biology (gr 10-12): Exploring Creation with Advanced Biology – The Human Body, 2<sup>nd</sup> ed (Apologia)**

...is a two semester, full lab class that covers both the anatomy and the physiology of the human body's 11 organ systems in detail. Labs include microscopic analysis of tissues, dissection labs (eye, spinal cord, brain, kidney, and fetal pig), skeletal analysis, and first-hand neurology and physiology labs, all while learning just how fearfully and wonderfully we are made. Text and solutions manual required for class. All other materials provided.

**Chemistry (gr 9-12) Discovering Design with Chemistry by Dr. Jay Wile (Berean Builders)**

...is a two-semester class that will give students a solid foundation in chemistry. Class time will consist of lab experiments and a discussion of the text, with many supplemental exercises and examples provided by the instructor. Algebra 1 is a pre-requisite.

**Chemistry Applications (gr 10-12) No textbook required**

...is a two-semester course that is lab-based and will build on the student's previous chemistry knowledge to explore practical and fun topics. The class will look at four branches of chemistry—food chemistry, environmental chemistry, forensic chemistry, and biochemistry. No textbook is required. All materials will be provided by the instructor. Chemistry is a pre-requisite.

**Advanced Chemistry (gr 10-12): Advanced Chemistry in Creation 2nd Edition Student Text (Apologia)**

...is a two-semester class that prepares students for a college level chemistry course. This is a rigorous course that expands on topics such as stoichiometry, acid and bases, and kinetics. Students will engage in high quality lab experiments such as acid-base titration, distillation and polymerization Learning to compose collegiate lab reports will be emphasized.

Prerequisites: Completion of a first-year chemistry course and proficient Algebra skills.

**Physics (gr 10-12): Exploring Creation with Physics, 2<sup>nd</sup> ed (Apologia)**

...is a two-semester class that explores things observed in nature, such as motion, energy, gravity, optics, sound, electricity, and more. Class time will mainly consist of labs and a discussion of the material using supplemental exercises. Algebra 2 is a pre-requisite.