



## CHEMISTRY with Lab

### **South Carolina Qualifications:**

This class will meet the state requirements for 1 credit in a Chemistry with Lab.

**Course Description:** A year-long course for 1 lab science credit In accordance with the S.C. Dept. of Education Chemistry Standards Prerequisite Course: Physical Science

Major areas of study: atoms, elements, compounds, and the Periodic Table; properties of matter; chemical bonding; chemical reactions; solutions; acids & bases; the electromagnetic spectrum; and nuclear reactions.

Students will participate in Fridays' classroom instructions, classroom labs and activities, and follow up lab reports. Weekly prepared assignment worksheets will accompany assigned youtube video tutorials each week. Focused research projects on unit topics will occasionally be assigned, presented in a powerpoint format. There will be quizzes and unit tests, and a final exam.

## **Marine Science with Lab**

### **South Carolina Qualifications:**

This class will meet the state requirements for 1 credit in a Marine Science with Lab.

### **Course Description:**

Marine Science A one-term course recognized by the S.C. Dept. of Education as a 1 credit lab science. Introduces Students to different science disciplines within the larger scope of Marine Science. No prerequisite course required. Physical Science suggested.

Students will learn about: the history of Marine Science and navigation; seawater chemistry; interactions of Earth's atmosphere and the oceans - meteorology & the physics of ocean currents and tides; earth science - plate tectonics & the oceans' seafloor; biology and ecology - life in the oceans; and current events and future concerns regarding the world's oceans.

Students will participate in Fridays' classroom instructions; classroom labs and activities; assigned youtube video tutorials each week; selected textbook readings; prepared assignment worksheets to go home with Students each week; focused research projects on unit topics will occasionally be assigned and presented in a powerpoint format; quizzes, unit tests, lab reports, and a final exam.

## Physical Science

**Contact Info: Dr Susanna Bleyer**

**Email:** bleyer.pathways@gmail.com

**Phone:** 843-817-3122

### **South Carolina Qualifications:**

This class will meet the state requirements for 1 credit in Science.

### **Course Description:**

This year-long course is typically the first high school science which a student will encounter. In it we will be exploring the physical creation which we live in through reading, working problems, conducting many easy, hands on experiments which will help us appreciate the scientific method. The students will learn the process of writing a formal lab report with an emphasis on critical and creative thinking. The student text which we will be using is the Apologia Physical Science 2nd. Edition but in class we will be supplementing with other sources. The topics to be covered are the earth, its atmosphere, hydrosphere, and structure. We will also cover motion, forces, energy, electricity, magnetism, sound, light, atoms, chemical reactions, and the periodic table. Students taking this course ought to have taken pre-algebra and be ready for algebraic concepts.

## **Biology with Lab**

### **South Carolina Qualifications:**

This class will meet the state requirements for 1 credit in a Biology Laboratory Science

### **Course Description:**

The five core areas of the Biology 1 course standards include:

- \*Cells as a System
- \*Energy Transfer
- \*Heredity- Inheritance and Variation of Traits
- \* Creation/Evolution/Natural Selection
- \*Ecosystem Dynamics

During this one-term course students will learn key topics from the lessons and perform labs. Weekly assignments will be given setting the pace of the curriculum. Mid-term and Final exams will be administered in class.

**Algebra 1**  
**Facilitator: Sally Smith**  
**hmsjr123@yahoo.com**

**South Carolina Qualifications:** This college prep course meets the standards for 1 credit in Algebra 1 under South Carolina's state guidelines.

**Course Descriptions:** During this year-long course, students will meet weekly to learn math concepts from a qualified instructor in a small group setting, and work at home using Thinkwell Homeschool Algebra 1. Thinkwell's Algebra 1 course has daily online videos and automatic grading that teaches algebra from a qualified math instructor. The Pathways facilitator will set the pace for the class, and send out weekly lesson plans indicating what should be completed at home each week. Occasional quizzes, tests, and projects will also be assigned by the Pathways facilitator in addition to the Thinkwell Algebra 1 course material.

**Objectives Covered:**

- Foundations for Algebra
- Equations, Proportions, and Percent
- Inequalities
- Functions
- Linear Functions
- Systems of Equations and Inequalities
- Exponents and Polynomials
- Factoring Polynomials
- Quadratic Functions and Equations
- Data Analysis and Probability
- Exponential and Radical Functions
- Rational Functions and Equations

**Business Math- Accounting**  
**Facilitator: Howie Russell**  
**harussell@sc.rr.com**

**Course Description: This course meets South Carolina standards for one credit in math.**

This one-term course will introduce the student to the importance of the accounting "language," the principles of accounting, accounting reports, and the correct and timely posting of transactions. Learn the entire accounting process of journalizing, preparing financial statements, transaction analysis, making managerial decisions, and closing the books at the end of the financial cycle (fiscal year) for a business.

Course Simulation/Research Project: Business Ownership/Entrepreneurship--The Ins and Outs of Starting a Small Business. Partnering the tools of legal requirements, administrative and logistical planning, and financial analysis for successful business ownership and operations of the student's business of choice. Written Project Report due at end of course instruction.

**English I-IV**  
**(World Literature with Composition)**  
**Facilitator: Jennifer Weatherford**  
**weatherford.pathways@gmail.com**

**Course Description:** World Literature is a college-preparatory literature and composition course for grades 9-12. It will provide 1 English high school credit. Students will use focus works, including novels, short stories, poems, and drama, which have been selected for literary quality, and for their place in the historical development of literature. Context readings provide background information about the author, the historical period, and the literary and artistic context of the focus work.

Students will gain an understanding of the development of literature and will practice the skills of close literary analysis through essays, and other evaluative writing.

**Objectives:**

- Possess a broad knowledge of the history and development of World literature.
- Have specific understanding of selected representative texts by major authors of the periods studied.
- Have a general understanding of the historical and cultural contexts of the works.
- Be able to analyze literary texts and present thoughtfully developed ideas in writing.
- Demonstrate competence in essay organization, style, and mechanics.

**Curriculum:** Curriculum and focus texts to be determined.

## US History and the Constitution

**Course Description:** This course meets South Carolina standards for one credit in Us History.

**Course Description:** This one-term course meets South Carolina's standards for one credit in U.S. History and Constitution which is a required history.

This course will include:

- Story of the American people from colonial settlement to present day
- Establishment of British colonies
- Transfer of English political traditions
- Creation of the United States as a new nation
- Westward Expansion
- American Civil War and Reconstruction
- Response to industrialization and urbanization of late 19th century
- Nation's developing role in world affairs in the 20th & 21st centuries

## World History

**Course Description:** This course meets South Carolina standards for one credit in Social Studies.

**Course Description:** This course meets South Carolina's standards for one credit in  
World History.

This course will include:

- Analyzing the relative importance of economic and political rivalries, ethnic and ideological conflicts, social classes, and population growth
- Analyzing the responses of world governments to economic and political changes
- Analyzing major shifts in world geopolitics and the changing role of the United States, and the demand for resources
- Critical thinking to emphasize the why and how people, ideas, and technology have made an impact on diverse groups of people

**Fine Arts: Music Appreciation**  
**Facilitator: Johanna Neugebauer**  
**emailjohannakay@gmail.com**

**South Carolina Qualifications:**

This class will meet the state requirements for 1 credit of Fine Arts elective.

**Course Description:**

During this one-term course, students will learn to appreciate music at any level of skill. This will be accomplished through opportunities to learn about the history and learning different styles. There is no requirement to play an instrument or have the ability to sing. There will be an opportunity to use instruments during the course.

This course will cover

- \*progression of music in the American church experience  
(Native American music, spirituals, liturgy, modern worship music)
- \*biblical foundations of why music is a natural response to use as a worship tool
- \*why character and integrity matter in leadership/being on a stage
- \*band dynamics, learning to hear all the parts, blend
- \*vocal training
- \*songwriting

**Computer Science**  
**Facilitator: Tammie Steele**  
[steele.pathways@gmail.com](mailto:steele.pathways@gmail.com)

**Course Description:** This course meets South Carolina's standards for one credit in Computer Science.

**Objectives:** During this one-term course students will learn:

- Keyboarding Skills
- Essential learning paths in Microsoft: Word, PowerPoint, Excel
- Networking and Google applications
- Photo Editing

## **Spanish 1 & 2**

**Facilitator: Heidi Ekster**

**ekster.pathways@gmail.com**

### **South Carolina Qualifications:**

Each class will meet the state requirements for 1 credit of foreign language.

### **Spanish 1**

Bienvenidos a Spanish 1.

In Spanish 1, students will gather strategies for learning the basics for Spanish speaking. The students will learn familiar greetings and learn how to respond to basic questions. Students will also learn to respond to basic requests. Students will learn present tense verb conjugations for both regular and irregular verbs, and will learn how to use these verbs in beginning conversations. The students will practice using the verbs in both written form and in classroom conversations. While learning the basics of the Spanish language, students will also begin to examine the Spanish culture.

### **Spanish 2**

Bienvenidos a Spanish 2.

In Spanish 2, students will continue to add to their strategies for learning the Spanish language. The students will begin to have more challenging conversations in Spanish. Students will begin to use the past verb tenses; the preterit and the imperfect in written exercises and in conversations. They will work on various grammar aspects such as indirect object pronouns, direct object pronouns, demonstrative adjectives and possessive adjectives. The students will also become familiar with the future tense. The students will write in paragraphs demonstrating their knowledge of the concepts in Spanish 2. Students will grow in their ability to speak the Spanish language while learning more about Spanish culture.