



UPPER SCHOOL

2024-2025 CURRICULUM GUIDE

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OVERVIEW



Mission Statement

SouthLake Christian Academy exists for the sake of God's glory and mission; proclaiming the gospel, educating, and discipling the whole person in all aspects of God's reality.

Vision

SouthLake Christian Academy is that Christ may be preeminent in all things (Colossians 1:18).

Core Values

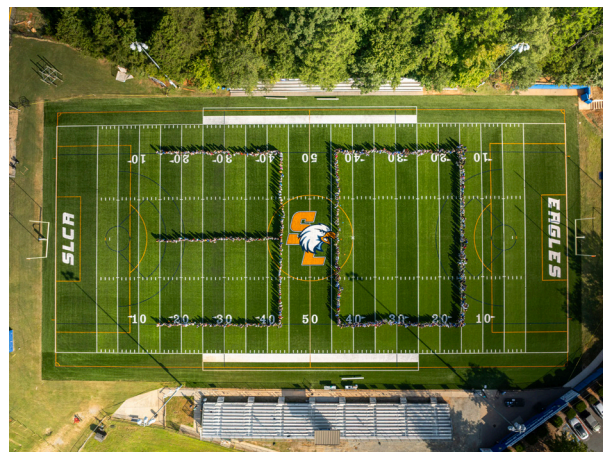
Standards and expectations are the guideposts for success at SouthLake Christian Academy. Our students learn to embrace the school's core values of **respect, integrity, kindness, and joy** while pursuing academic excellence. By living these values, SouthLake Christian students prepare themselves for a fulfilling life of meaning and purpose.

Our Commitment To Christian Faith

We believe the Scriptures of the Old and New Testament are verbally-inspired by God, wherein He reveals Himself to humankind, reveals His will and ways for all men and women; and which are of supreme and final authority in faith, life, and standards of education.

Faculty

With over 100+, SouthLake Christian's faculty and staff exhibit deep loyalty to the institution, with an average tenure of more than 12 years. Despite this continuity, the teachers consistently innovate in their instruction, curriculum, and assessments, frequently leveraging technology to deepen students' learning experiences.



INTRODUCTION TO THE UPPER SCHOOL

Guiding Hearts, Educating Minds

We believe that education extends beyond textbooks and classrooms. Here, we are dedicated to cultivating both the intellectual and spiritual growth of our students. Our mission is to provide a robust, Christ-centered education that prepares students to excel academically while fostering a deep and abiding faith in Jesus Christ.

Academic Excellence

Our academic program is designed to challenge and inspire. We offer a comprehensive curriculum that includes rigorous core classes such as Mathematics, Science, English, Social Studies, & World Language. Our qualified teachers are passionate about their subjects and are committed to helping students achieve their full potential. For those seeking additional academic challenges, we offer fourteen Advanced Placement (AP) courses. These courses provide college-level curricula, the potential to earn college credit, and help our students to stand out in the college admissions process. We offer a wide array of electives and Fine Arts that allow students to explore their interests and develop new skills.

Electives and Extracurricular Activities

We believe that a well-rounded education includes opportunities for creative expression, physical activity, and leadership development. Our elective courses provide a platform for students to discover their talents and passions. Outside the classroom, students can join a variety of clubs and organizations that enrich their school experience. Our Student Mission Fellowship (SMF) club offers a unique opportunity for students to engage in global mission work and local community service. Through SMF, students learn to apply their faith in practical ways, developing a heart for service and a deeper understanding of global issues from a Christian perspective. Additionally, our Beta Club, Chess Club, STEM Club, and National Honor Society (NHS) chapters are vibrant communities where students can engage in service projects, develop leadership skills, and build lasting friendships.

Biblical Integration

Faith is the cornerstone of our educational philosophy. Biblical principles are integrated into every aspect of our curriculum, ensuring that students not only gain knowledge but also wisdom rooted in Christian values. Daily Bible classes, weekly chapel services, and various opportunities for spiritual development are all integral parts of our school life. We also hold weekly Advisory sessions where each high school teacher mentors a small group of students, fostering deep relationships and encouraging spiritual growth. Our aim is to nurture a strong, personal faith in each student, equipping them to navigate life with integrity, compassion, and purpose.

A Community Like No Other

SouthLake Christian is more than just a school; it is a community where students are known, loved, and encouraged to thrive. Our dedicated faculty and staff are committed to providing a supportive and nurturing environment where every student can succeed. From personalized academic support to spiritual mentoring, we are here to guide each student on their unique journey. We invite you to join our SouthLake Christian Academy family, where academic excellence and faith-based education come together to create an exceptional high school experience. Here, you will find a place to grow, learn, and become all that God has called you to be.

GRADUATION REQUIREMENTS

The following are the courses in grades 9-12 required for graduation from SouthLake Christian. A graduating student must have earned a minimum 2.0 GPA.

SouthLake Christian confers three diplomas with the following credit requirements.

	HONORS	ACADEMIC	GENERAL
Language Arts: (Includes English & Comp)	5.5	5.5	5.5
Math: (Includes Alg I, Geom, Alg II, & IDA)	4.5	4.5	3.5
Science: (Includes Biology & a Physical Science)	4	3	3
History: (Includes World, US & Gov/Econ)	4	3	3
World Language: (Consecutive Years, Same Language)	3	2	0
Religious Studies	2	2	2
Health & Physical Ed	1	1	1
Arts: (Performing & Visual)	2	2	2
Electives	1	2	5

Credits could vary for transfer students on course availability from previous schools.

Students earning an Honors Diploma are also eligible to graduate with Distinction, High Distinction, or Highest Distinction by meeting the following GPA criteria. GPA's are calculated to the hundredth and are not further rounded.

DISTINCTION	HIGH DISTINCTION	HIGHEST DISTINCTION
3.60-3.99	4.00-4.39	4.40 and above

Note: There is no early graduation; early release for seniors with occupational or educational reasons will be considered.

GRADE SCALE				
GRADE	WEIGHTING			
Numerical	Letter	CP	H	AP
98-100	A+	4	4.5	5
93-97	A	4	4.5	5
90-92	A-	3.7	4.2	4.7
87-89	B+	3.3	3.8	4.3
83-86	B	3	3.5	4
80-82	B-	2.7	3.2	3.7

GRADE SCALE				
GRADE	WEIGHTING			
Numerical	Letter	CP	H	AP
77-79	C+	2.3	2.3	2.8
73-76	C	2	2.5	3
70-72	C-	1.7	2.2	2.7
67-69	D+	1.3	1.8	2.3
63-66	D	1	1.5	2
60-62	D-	0.7	1.2	1.7
0-59	F	0	0	0

COURSES OFFERED AT SOUTHLAKE CHRISTIAN

	9th Grade	10th Grade	11th Grade	12th Grade
Bible	Intro to the Christian Faith-0.5 New Testament Survey-0.5 Old Testament Survey-0.5	Intro to the Christian Faith-0.5 New Testament Survey-0.5 Old Testament Survey-0.5	Systematic Theology-0.5 Apologetics-0.5 Intro to the Christian Faith-0.5	Apologetics-0.5 Systematic Theology-0.5 Intro to the Christian Faith-0.5
English	CP or H English I-1.0	CP or H English II-1.0	CP or H English III-1.0 AP Language and Comp-1.0	CP or H English IV-1.0 AP Literature and Comp-1.0
Writing/Math Foundations	Composition I-0.5	Intro to Data Analysis-0.5	Expository Writing-0.5	Adv Comp and Public Speaking-0.5
History	CP or H World History I-1.0	CP or H World History II-1.0	CP or H or AP US History-1.0	CP or H Government/Economics-1.0 AP Microeconomics-1.0 AP Macroeconomics-1.0 AP US Government/Politics-1.0
Math	CP Algebra I-1.0 H Geometry-1.0	CP or H Geometry-1.0 H Algebra II-1.0	CP or H Algebra II-1.0 CP or H Algebra III with Trig-1.0 CP or H Discrete Math-1.0 AP Precalculus-1.0 AP Statistics-1.0	CP or H Algebra III with Trig-1.0 CP or H Discrete Math-1.0 AP Precalculus-1.0 AP Statistics-1.0 AP Calculus AB-1.0 AP Calculus BC-1.0
Science	CP or H Biology-1.0	CP or H Physical Science-1.0 H Chemistry-1.0 <i>(for students who have completed or are concurrently enrolled in Algebra II)</i>	CP Anatomy-1.0 H Anatomy and Physiology-1.0 CP or H Chemistry-1.0 CP or H Microbiology-1.0 AP Biology-1.0 AP Chemistry-1.0	CP Anatomy-1.0 H Anatomy and Physiology-1.0 CP or H Chemistry-1.0 CP or H Microbiology-1.0 AP Biology-1.0 AP Chemistry-1.0 AP Physics-1.0
World Language	CP or H Spanish I-1.0	CP or H Spanish I-1.0 CP or H Spanish II-1.0	CP or H Spanish I-1.0 CP or H Spanish II-1.0 CP or H Spanish III-1.0	CP or H Spanish II-1.0 CP or H Spanish III-1.0 H Spanish IV-1.0

Legend: **CP** = College Prep; **H** = Honors; **AP** = Advanced Placement 0.5 = Half Credit; 1.0 = Full Credit

*Students in grades 9 - 11 must be enrolled in courses that equate to six (6) credits for the year. Students in grade 12 must be enrolled in courses that equate to five (5) credits for the year.

	9th Grade	10th Grade	11th Grade	12th Grade
Health/PE	Online Health-0.5 <i>(2nd semester only; priority for sophomores)</i> PE-Athletics-0.5 Physical Conditioning I-0.5 Weight Training I-0.5	Online Health-0.5 PE-Athletics-0.5 Physical Conditioning I-II-0.5 Weight Training I-II-0.5	PE-Athletics-0.5 Physical Conditioning I-II-0.5 Weight Training I-II-0.5	PE-Athletics-0.5 Physical Conditioning I-II-0.5 Weight Training I-II-0.5
Electives	Contemporary Issues-0.5 Cybersecurity-0.5 Forensics-0.5 Intro to Engineering-0.5 Intro to World Religions-0.5 Money Management-0.5 Philosophical Logic-0.5	Contemporary Issues-0.5 Cybersecurity-0.5 Forensics-0.5 Intro to Engineering-0.5 Intro to World Religions-0.5 Money Management-0.5 Philosophical Logic-0.5	AP Computer Sci Principles-1.0 AP Psychology-1.0 Contemporary Issues-0.5 Cybersecurity-0.5 Forensics-0.5 Intro to Engineering-0.5 Intro to Robotics-0.5 Intro to Statistics-0.5 Intro to World Religions-0.5 Money Management-0.5 Philosophical Logic-0.5	AP Computer Sci Principles-1.0 AP Psychology-1.0 Contemporary Issues-0.5 Cybersecurity-0.5 Forensics-0.5 Intro to Engineering-0.5 Intro to Robotics-0.5 Intro to Statistics-0.5 Intro to World Religions-0.5 Money Management-0.5 Philosophical Logic-0.5
Performing Arts	Chapel Band I-0.5 Concert Choir I-0.5 Symphonic Band I-0.5	Chapel Band I-II-0.5 Concert Choir I-II-0.5 Symphonic Band I-II-0.5	Chapel Band I-III-0.5 Concert Choir I-III-0.5 Symphonic Band I-III-0.5	Chapel Band I-IV-0.5 Concert Choir I-IV-0.5 Symphonic Band I-IV-0.5
Visual Arts	Art Foundations-0.5 Basic Acrylic Painting-0.5 Basic Drawing-0.5 GD - Illustrator-0.5 GD - InDesign-0.5 GD - Photoshop-0.5 Photography I-0.5 Yearbook I-0.5	Art Foundations-0.5 Basic Acrylic Painting-0.5 Basic Drawing-0.5 GD - Illustrator-0.5 GD - InDesign-0.5 GD - Photoshop-0.5 Photography I-II-0.5 Yearbook I-II-0.5	Art Foundations-0.5 Basic Acrylic Painting-0.5 Basic Drawing-0.5 GD - Illustrator-0.5 GD - InDesign-0.5 GD - Photoshop-0.5 Photography I-II-0.5 Yearbook I-III-0.5	Art Foundations-0.5 Basic Acrylic Painting-0.5 Basic Drawing-0.5 GD - Illustrator-0.5 GD - InDesign-0.5 GD - Photoshop-0.5 Photography I-IV-0.5 Yearbook I-IV-0.5
Arts Appreciation	Music Appreciation-0.5 Philosophy of Film-0.5	Music Appreciation-0.5 Philosophy of Film-0.5	Music Appreciation-0.5 Philosophy of Film-0.5	Music Appreciation-0.5 Philosophy of Film-0.5

*0.5 credits each of PE and Health are required for graduation. Freshmen must enroll in at least one Arts course. The other required art and elective credits must be taken before graduation. NOTE: Unless there are subsequent levels for an elective course (i.e. Photography I and Photography II), students cannot take an elective more than once for credit.

Legend: **CP** = College Prep; **H** = Honors; **AP** = Advanced Placement 0.5 = Half Credit; 1.0 = Full Credit

Revised 03/18/2024

CORE COURSES



FINE ARTS

SouthLake Christian believes that the arts are an integral component of education. Studies in the arts develop intellectual skills of perceptual awareness, critical analysis, and creative problem-solving. Arts courses convey knowledge and meaning not learned through the study of other subjects.

In visual and performing arts courses, teachers emphasize active participation by students in the creative process. Solving problems creatively involves more than the acquisition of fundamental skills. It demands analysis and synthesis and calls upon the senses to think, feel, act, and evaluate.

Chapel Band I, II, III, IV

Full Year, 0.5 Credit; *Prerequisites: None*

Chapel Band is the study of corporate worship leadership and the vocal, instrumental, theological, and technological skills needed to support worship. Students will learn to read music and follow music charts, sing solo and in an ensemble, play instruments used in a worship ensemble, set up and run live audio, and prepare and connect technological support for lyrics and videos used in a worship context. There is no final exam for this class, but students are required to lead services for middle school and high school chapels on Wednesdays throughout the year. The class meets at unconventional times for rehearsals.

Concert Choir I, II, III, IV

One Semester, 0.5 Credit; *Prerequisites: None*

Concert Choir trains students in five areas:

- Sight-reading and Ear-training — Students will begin to develop the ability to recognize intervals and sing pitches. Learning to part-sing will be included.
- Theory — Students will begin learning to read the music staff, rhythms, musical terms, and other concepts related to music theory.
- Placement of Voice — Students will learn the proper way to sing, project their voices in a healthy way, and support their voices with proper breathing.
- Pronunciation — Students will learn to pronounce vowels and consonants as they develop the color of the choral sound.
- Performance — Students will perform as a choir to gain confidence in their abilities to sing and to present themselves in front of an audience.

There is no final exam for this class, but students are required to take part in concerts and competitions.

Symphonic Band I, II, III, IV

One Semester, 0.5 Credit; *Prerequisites: None*

Symphonic Band merges the Concert Band – the study of woodwind, brass, and percussion instruments – with Orchestra – the study of the string instruments such as violin, viola, cello, and stringed bass. Students will learn to read music and contribute effectively to ensemble playing. ***There is no final exam for this class, but students are required to take part in concerts and competitions.***

VISUAL ARTS

Art Foundations

One Semester, 0.5 Credit; *Prerequisites: None*

This class helps students develop their understanding of the principles and elements of art while also incorporating symbolism, originality, and creativity into their multimedia compositions. Students will give oral or written reviews of the topics studied and will also begin cultivating a portfolio. ***There is no final exam for this class, but students are required to take part in school-sponsored art exhibits.***

Basic Acrylic Painting

One Semester, 0.5 Credit; *Prerequisites: None*

This class introduces basic painting skills in the acrylic medium while expanding the appreciation of the principles and elements of art. Students will explore color theory and learn about composition-framing and still-life arrangement, medium application techniques, and art installation. Maintaining a quality portfolio in a media kit format is a course objective. There is no final exam for this class, but students are required to take part in school-sponsored art exhibits.

Basic Drawing

One Semester, 0.5 Credit; *Prerequisites: None*

This class introduces basic drawing and shading techniques while expanding the appreciation of the principles and elements of art. Students will focus on observational drawing; explore color theory; and learn about composition-framing and still-life arrangement, medium application techniques, and art installation. Maintaining a quality portfolio in a media kit format is a course objective. ***There is no final exam for this class, but students are required to take part in school-sponsored art exhibits.***

Graphic Design – Adobe Illustrator

One Semester, 0.5 Credit; *Prerequisites: None*

In Illustrator, students are introduced to the basics of digital design and learn to create high-quality illustrations, logos, and other custom artwork using the powerful Pen tool to transform existing shapes and add color to drawn objects. Students will also use layers to organize their artwork, explore the options for exporting Illustrator files, and master all the editing tools available in the program. Upon completion of the course, students will have designed actual logos for a business, created beautiful vector art, and gained a thorough understanding of how to use Illustrator for fun or as a career opportunity. The course includes downloadable practice images and Illustrator files. ***There is no final exam for this class.***

Graphic Design – Adobe InDesign

One Semester, 0.5 Credit; *Prerequisites: None*

InDesign is a comprehensive digital program for creating page layouts with text, graphics, and multiple pages. Students will learn to style text, import photos and graphics, define/use colors, add multiple pages, and thread text frames. Through a variety of design projects such as books, magazines, and advertisements, students will understand paragraph/character styles, master pages, baseline grid, hyphenation, libraries, tables, and more. They can package files to send them to be printed and generate PDFs for print or web. Other outcomes include composition, typography, color, design theory, and essential techniques for professional typesetting. ***There is no final exam for this class.***

Graphic Design – Adobe Photoshop

One Semester, 0.5 Credit; *Prerequisites: None*

Learn graphic design and photo editing in Photoshop. Students will be taught all the skills needed to design their own graphics from start to finish. Through this complete beginner's course, students will gain confidence using Photoshop while learning to edit photos and design graphics in imaginative ways for business or for fun. The course includes downloadable practice photos and Photoshop files. ***There is no final exam for this class.***

Photography I-II

One Semester, 0.5 Credit; *Prerequisites: None*

This course introduces photographic equipment, theory, and processes. Emphasis is placed on camera operation, composition, and creative expression. Upon completion, students should be able to successfully create well-conceived compositions and will develop such techniques as controlling density and contrast to create unique designs and projects. Students will gain more than general knowledge of the digital camera and its functions; they will learn composition and lighting for general, sport, and still-life photography. Finally, the power and misuses of photography as it applies in the media will be explored. There is no final exam for this class, but students are required to take part in school-sponsored art exhibits. ***NOTE: Photography I students may use a digital camera or mobile phone; Photography II students must have a digital camera.***



Yearbook I-IV

One Semester, 0.5 Credit; *Prerequisites: None*

In this course, students will gain skills in page design, advanced publishing techniques, copywriting, editing, and photography while producing a creative, innovative yearbook that records school memories and events. Students will be able to use modern computer-aided publishing tools. Students in this course are responsible for the creation and production of a certain number of assigned page layouts, including collecting and taking photographs, conducting interviews, writing captions and stories, organizing the information into well-designed page layouts, meeting deadlines, and editing the pages for spelling errors and misinformation. Those with good organizational skills and previous knowledge of the technology used will assume an editor's position or take a leadership role on the publication staff. Participants gain useful, real-world skills in time management, marketing, teamwork, and design principles. There is no final exam for this class, but students are required to sell at least one advertisement for the yearbook. **NOTE: Students should expect to have a few meetings outside of class time.**

ART APPRECIATION

Music Appreciation

One Semester, 0.5 Credit; *Prerequisites: None*

Students will gain a deeper understanding and appreciation for different elements of music. The course will include some of the following basic elements:

- Music literacy, such as melody, rhythm, harmony, form, and texture
- Families of musical instruments
- History and development of Western music tradition
- The role of the arts and the expression of Biblical worship
- Music in our society and our cultural identity
- Foundations of songwriting
- The business of music

There is no final exam for this class.

Philosophy of Film

One Semester, 0.5 Credit; *Prerequisites: None*

Students will be introduced to a Christian understanding of film and philosophy by watching and discussing films about secret societies, space aliens, artificial intelligence, and transhumanism. Students will learn unfamiliar terms (e.g., astrobiology, Gnosticism, and hermeticism) and historical movements by watching films that deal with these topics. Each topic will be discussed, contextualized, and understood within the Christian worldview. ***There is no final exam for this class.***

BIBLE

SouthLake Christian believes faith is the cornerstone of our educational philosophy. Biblical principles are integrated into every aspect of our curriculum, ensuring that students not only gain knowledge but also wisdom rooted in Christian values. Weekly Advisory sessions where each high school teacher mentors a small group of students, fostering deep relationships and encouraging spiritual growth. Our aim is to nurture a strong, personal faith in each student, equipping them to navigate life with integrity, compassion, and purpose.

Apologetics

One Semester, 0.5 Credit; *Prerequisites: Completion of 10th grade*

- Apologetics is a study of how to defend the Christian faith. This will include:
- Apologetics as proof – presenting a rational basis for the faith (i.e., arguments for God's existence and historical and scientific evidence for the faith)
- Apologetics as defense – answering objections against the Christian faith (problem of evil, alleged Bible contradictions, and late dating of the gospels)
- Apologetics in an offensive – countering the foolishness of unbelief (philosophical problems of naturalism and internal contradictions of certain philosophical systems)

No final exam for this class.

Introduction to the Christian Faith

One Semester, 0.5 Credit; *Prerequisites: Completion of 8th grade*

This course is an introductory course designed for students that have no previous Biblical training. It explores the areas of Christian ethics, apologetics, and Biblical theology with the goal of fostering discipleship and character in our students, particularly those new to SouthLake Christian or in need of renewed exposure to Gospel truths. Based on the small-group discipleship model, students will read, write, pray, and debate about the biggest objections to Christianity and the most significant answers found in Scripture. Introduction to the Christian Faith prepares students to begin navigating the complicated waters of post-high school life with a Biblical worldview. **There is no final exam for this class.**

New Testament Survey

One Semester, 0.5 Credit; *Prerequisites: Completion of 8th grade*

Without the book of Acts, it would be hard, if not impossible, to understand the New Testament letters. The book of Acts gives context to the ministry of the apostles after the resurrection and ascension of Jesus Christ and the birth of the New Testament Church. Therefore, the book of Acts provides the backdrop for the course on the New Testament. This course will move from the ascension to the origin and growth of the New Testament Church as found in the book of Acts to a brief overview of the rest of the New Testament. The book of Acts serves as a bridge between the Old Testament, the Gospels, and the Epistles and will inform the students' understanding of the theological topics of ecclesiology (the Church), pneumatology (the Holy Spirit), and soteriology (salvation) to give context to the rest of the epistles. **No final exam for this class.**

Old Testament Survey

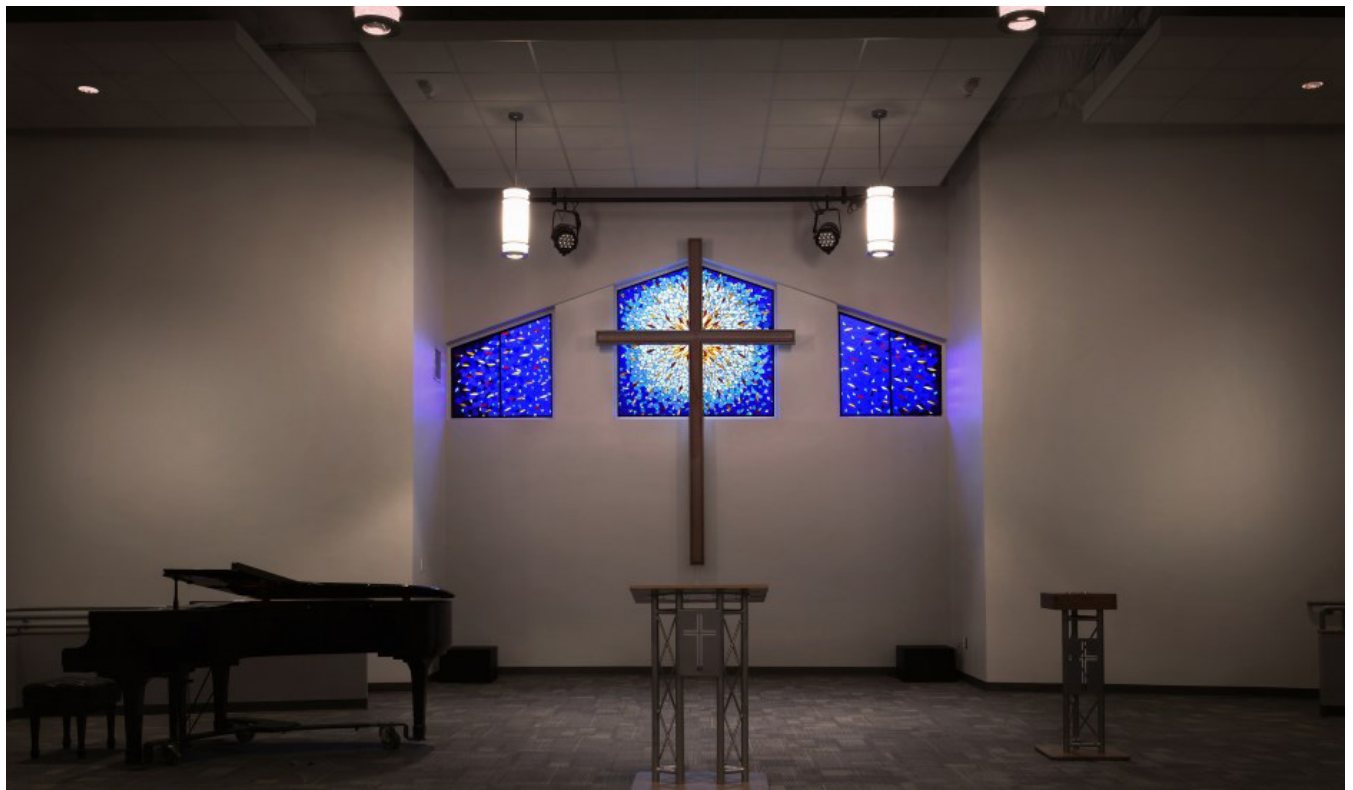
One Semester, 0.5 Credit; *Prerequisites: Completion of 8th grade*

Old Testament Survey explores the literary, historical, and theological content of the Old Testament. These areas will be explored to help the student gain a more comprehensive view of redemptive history. This course is designed to help students read and understand the Old Testament by examining the purpose, message, structure, and major themes of the Old Testament, which finds fulfillment in the coming of Jesus Christ. ***No final exam for this class.***

Systematic Theology

One Semester, 0.5 Credit; *Prerequisites: Completion of 10th grade*

This course is an introduction to systematic theology that focuses on teaching major Bible doctrines as they are found in the Scriptures (the primary authority) as well as creeds and confessions of the church with a special focus on the Heidelberg catechism. ***No final exam for this class.***



ENGLISH

The English curriculum at SouthLake Christian includes an array of literary works that provide opportunities for each student to think deeply about her relationship to the world around them and the complexities of the human experience. Writing, reading, research, grammar, and vocabulary strands are the foundation of our program. English

College Prep English I

One Semester, 1.0 Credit; *Prerequisites: Completion of English 8*

English I is a comprehensive study of classic world literature in the light of the Christian worldview. Students will read from a challenging book list, making important literary, philosophical, and historical connections between the works, the authors, world history, and the Bible. **Students will take a final exam.**

Honors English I

One Semester, 1.0 Credit; *Prerequisites: Completion of English 8 (87% or higher)*

Honors English I is a comprehensive study of classic world literature in the light of a Christian worldview. Students will read, discuss, and write about various genres of world literature. Students will use important literary, philosophical, and historical connections between the works, the authors, world history, and the Bible to interpret and analyze not only the author's purpose in creating the work, but also the relevance of the work as it applies to modern times. **Students will take a final exam.**

College Prep English II

One Semester, 1.0 Credit; *Prerequisites: CP English I or H English I*

English II is designed as a novels-based course with an emphasis in world literature and the philosophies and theologies that informed those works. Students will develop confidence in reading drama, poetry, non-fiction, short stories, and novels written from 1500 to the present. Students will gain an understanding of literature, its themes, and rhetorical devices from a Biblical worldview. Students will be presented with multiple opportunities to practice and strengthen the fundamental concepts and principles of writing for a variety of informal and formal audiences. Through shared writings, students will learn to respect their own knowledge and perspectives as well as others'. Students will develop ideas fully and present them with correct grammar, spelling, and punctuation as they become more confident in their ability to write. This confidence will benefit them in academic and professional endeavors. **Students will take a final exam.**

HONORS ENGLISH II

One Semester, 1.0 Credit; *Prerequisites: Completion of CP English I (87% or higher) or H English I (83% or higher)*

Honors English II is a novels-based course with an emphasis in world literature and the philosophies and theologies that informed those works. As students develop confidence in reading varied genres, including historical fiction, non-fiction, poetry, short stories, and drama written from 1500 to the present, they will gain understanding of literature from a Biblical worldview. As they read, discuss, and write about various genres of literature, students will consider how a work's structure, style, themes, and literary and rhetorical devices influence the outcome and meaning of a work. Through the close reading and analysis of selected texts, students will deepen their understanding of how writers use language to provide both meaning and truth for their readers. Students will use this understanding to inform their own writing as they use process writing to complete a variety of creative styles. Students will be presented with multiple opportunities to practice and strengthen the fundamental concepts and principles of writing for various informal and formal audiences. Through shared writings, students will learn to respect not only their own knowledge and perspectives, but also the knowledge and perspectives of others. Students will develop ideas fully and present them with correct grammar, spelling, and punctuation as they become more confident in their ability to write. This confidence will benefit them in academic and professional endeavors. **Students will take a final exam.**

College Prep English III

One Semester, 1.0 Credit; *Prerequisites: Completion of CP English II or H English II*

English III is a study of American literature in a distinctly Christian manner. Students will read various American literary works in chronological order, following their study of American history. Students will learn text-based vocabulary throughout the course. **Students will take a final exam.**

Honors English III

One Semester, 1.0 Credit; *Prerequisites: Completion of CP English II - 87% or higher or H English II (83% or higher)*

Honors English III is designed as a novels-based course with an emphasis on American literature and the philosophies and theologies that informed those works. Students will learn text-based vocabulary throughout the course. In addition, the honors course expands the study of literature to include historical and genre-specific knowledge in preparation for AP Literature in 12th grade. Honors English III surveys American literature chronologically from the Colonial Era to the Contemporary Age. Students will develop mastery in reading fiction, poetry, drama, autobiography, philosophical and theological essays, and critical theory and analytic essays, and in writing analytical responses to works of literature. The class will require an average of 45 minutes of homework per night. Most reading assignments are to be completed outside of class. **Students will take a final exam.**

College Prep English IV

One Semester, 1.0 Credit; *Prerequisites: Completion of CP English III or H English III*

English IV is a course which focuses attention on British literature from a distinctively Christian view. This course engages students in careful reading and critical analysis of various examples of British literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language, structure, style, theme, and literary techniques to provide both meaning and truth for their readers. As they read, students consider a work's structure, style, and themes, as well as literary devices used. Emphasis is placed on understanding plot, characters, and purpose for each text in accordance with God's truth. **Students will take a final exam.**

Honors English IV

One Semester, 1.0 Credit; *Prerequisites: Completion of CP English III (87% or higher) or H English III (83% or higher)*

Honors English IV is a course which focuses attention on British literature from a distinctively Christian view. This course will engage students in careful reading and critical analysis of various examples of British literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and truth for their readers. As they read, students consider a work's structure, style, themes, and literary techniques. Although emphasis is placed on understanding each piece of literature, students at the honors level will be challenged to delve into each piece and exhibit in-depth analysis of theme, author's purpose, and Christian worldview through analytical essays and in-class debates. **Students will take a final exam.**

AP Language and Composition

One Semester, 1.0 Credit; *Prerequisites: Completion of H English II (83% or higher)*

The AP Language and Composition course follows an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytical and argumentative essays that proceed through several stages or drafts. Students conduct research and draft argumentative papers in which they present an argument of their own that includes the analysis and synthesis of ideas from an array of sources, citing sources using a recognized editorial style (e.g., MLA). Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods. Grammar and vocabulary are integrated throughout the course. **Students will take a final exam and are required to take the national AP exam in May.**

TO CONSIDER:

- AP Language is a college course you commit to taking in high school. The workload will be different.
- Students will read two full works of fiction and numerous non-fiction texts.
- Students will write four (4) out-of-class essays including a research paper and write approximately sixteen (16) in-class AP essays.
- Regular attendance and timely submissions for assignments is critical for success. Late

submissions for homework and quiz grades will NOT be accepted.

- This class will have summer work, which must be completed by the first day of school.
- This course will incur a \$110 fee for the National Exam in May.

AP Literature and Composition

Full Year, 1.0 Credit; *Prerequisites: Completion of H English III or AP Language and Composition (83% or higher)*

This college-level course engages college-bound seniors in the careful reading and critical analysis of representative works from various genres and periods, including both American and British literature from the 16th to the 21st centuries. This course is designed to meet the curricular requirements outlined in the College Board Advanced Placement Literature course description. Through active reading, listening, and discussion, students will deepen their understanding of how writers use language to provide meaning and enjoyment for their readers. Students will write frequently, focusing on the critical analysis and explication of literature, including expository, analytical, and argumentative essays. They will analyze literature from various perspectives and consider works within the relevant historical, political, and philosophical context. In addition, our literary analysis will look at a work's style, structure, diction, and literary techniques. Composition assignments will include short answers (or paragraphs), timed writings, and formal essays. No matter the writing assigned, students should employ the use of various composition constructions, including formal and mature language, logical argumentation and progression, sentence variety, and insightful evaluations. ***Students will take a final exam and are required to take the national AP exam in May.***

TO CONSIDER:

- This is not AP Lang. The writing style and expectations are different. It is not argumentative writing but literary analysis. Come prepared to work with a different kind of writing style.
- AP Literature is a college course you commit to taking in high school. The workload will be different. Plan to have out-of-class work (4-5 hours a week) which may include reading, essay/project completion, and/or AP Classroom Skills practice/videos.
- Students are expected to attend classes, but it is their responsibility to keep up with work when absent (check Google Classroom for posted assignments).
- Be prepared to contribute and talk about literature. The class is discussion-based, not lecture. Students are expected to come with questions or comments regarding the assigned reading to maintain a collaborative, college environment.
- This class will have summer work, which must be completed by the first day of school.
- This course will incur a \$110 fee for the National Exam in May.

COMPOSITION I

One Semester, 0.5 Credit; *Prerequisites: Required for 9th Grade*

This course uses a focus on grammar, current methodology, and a variety of opportunities to practice and strengthen the fundamental concepts and principles of writing. Composition I will teach students to use language effectively and creatively. Through shared writings, students will learn to respect not only their own knowledge and perspectives, but also the knowledge and perspectives of others. As students move through the writing process, written pieces must reflect the ability to incorporate creativity, clarity, and focus. Students will also develop ideas fully and present them with correct grammar, spelling, and punctuation. **No final exam for this class.**

Expository Writing

One Semester, 0.5 Credit; *Prerequisites: Required for 11th Grade, writing experience course, or placement equivalent, Students enrolling in AP Language will receive Expository instruction in the AP Language Lab course.*

Writing is an across-the-curriculum course of study. As students venture through high school and college, they can expect at least part, and sometimes all, of their grade to be based on their written work. Expository Writing will introduce students to some clear, practical, and simple ways to write more effectively. By the end of this course, students will have a better understanding of the writing process, and they will feel more confident in their ability to produce effective, eloquent written products. Finally, this course will show students that the ability to write is an empowering and necessary skill both inside and outside of the classroom. **No final exam for this class.**

Advanced Composition and Public Speaking

One Semester, 0.5 Credit; *Prerequisites: Required for 12th grade, Previous writing experience course*

Advanced Composition and Public Speaking will reinforce basic writing and speaking principles and cultivate advanced writing skills. Students will complete a research project in which they will learn to use academic databases, evaluate sources, organize information, write in argumentative style, and master principles of public speaking skills which will prepare them for scholarship and job interviews. The project will culminate in a large-scale research paper and final presentation based on the research. **No final exam for this class.**



ONLINE HEALTH & PHYSICAL EDUCATION

The wellness department at SouthLake Christian promotes the importance of making healthy choices that contribute to healthy living. Through course offerings, students begin to understand the importance of regular physical activity and see it as an essential element for their overall physical and mental health. Each student at SouthLake Christian is required to take an on line health class their sophomore year and a physical education or play an athletic sport per semester each year.

Online Health

One Semester or Summer, 0.5 Credit; *Prerequisites: None*

The on line health course is taken the summer before or during the sophomore school year. Animated videos will guide students through a variety of health topics. Movement sessions teach functional motor movements that build strength. Nutrition is broken down into a simple framework for students to practice creating healthy meals and snacks. A devotional guide goes along with each lesson to demonstrate what the Bible teaches about health. Assessments include on line quizzes, a health journal for recording notes, devotional reflections, movement sessions, and a final video project. Whether taken during the summer or during the school year, Online Health exposes students to the on line setting in preparation for on line courses in college. Students may request this course during their second semester freshman year, but priority is given to sophomores. **No final exam for this class. NOTE: Students enrolling in Online Health for the summer will incur a summer school fee.**

Athletics

0.5 Credit; *Prerequisites: None*

Students may earn Physical Education credit for participation on one of the SouthLake Christian sports teams. Credit is applied once, generally following the first year a student completes a sport's season. **NOTE: Students pursuing this choice should select Athletics in the scheduling portal during course requests to show their intention.**

Physical Conditioning I-II

One Semester, 0.5 Credit; *Prerequisites: None*

Physical Conditioning is designed to teach students fitness concepts and conditioning techniques used for obtaining optimal physical fitness. Students benefit from both weight training and cardiorespiratory endurance activities while learning the fundamentals of strength training, aerobic training, and overall fitness training and conditioning. The course includes both lecture and activity sessions. Students will be empowered to make wise choices, meet challenges, and develop positive behaviors in fitness, wellness, and movement activity for a lifetime. **No final exam for this class.**

Weight Training I-II

One Semester, 0.5 Credit; *Prerequisites: None*

Weight Training consists of sport-specific workouts that focus on functional athletic movements. The classes meet in the weight room, where students have access to the proper equipment for carrying out these exercises. Students are taught proper form to increase weight when the instructor determines they are ready. Emphasis is placed on stretching before and after workouts and on staying hydrated throughout the day. **No final exam for this class.**



HISTORY

The upper school history and social sciences curriculum is based on the belief that SouthLake Christian students need a basic understanding of how humanity has tried to establish a stable government, economic well-being, and social justice. All students are required to World History in 9th and 10th grade, and United States History in 11th grade. Seniors are required to take Government/Economics at the College Prep, Honors, or AP level. More advanced options allow students to choose Microeconomics or Macroeconomics at the AP level.

College Prep World History I

One Semester, 1.0 Credit; *Prerequisites: Successful completion of History 8*

The aim of this course is to provide students with an understanding of the events of world history within the context of and as they relate to the Biblical worldview. Students are taught to view history as the evidence of God's sovereignty at work in the lives of men to bring about His plan. Emphasis is placed on studying how the beliefs of man affect the way he lives. The themes that form the patterns of civilization are integrated into this study. The scope of this course is broad, which allows students to take a step back and view the big picture, and the aim of this course is to encourage students to think critically and biblically about the events of history. This course covers Creation through the rise of modern nations. Students study all continents and the growth of world religions such as Christianity, Islam, Buddhism, Hinduism, Zoroastrianism, and other indigenous religions. Students analyze how God paved the way for Christianity to thrive through persecution, the Roman Empire, the Byzantine Empire, Renaissance exploration, and the emergence of Islamic States. Additionally, students will determine the great stepping-stones that emerged during the Renaissance to bring on the development of modern nations and exploration. Students will be expected to demonstrate information literacy by defining the task, retrieving and acquiring information, processing the data, and coming to conclusions based on the evidence and the Christian worldview. Students will develop historical writing skills. **Students will take a final exam.**

Honors World History I

One Semester, 1.0 Credit; *Prerequisites: Successful completion of History 8 (87% or higher)*

The course is designed to provide students with the historical thinking skills and factual knowledge to deal critically with world problems and to affirm God's creation for His glory and mankind's good. Primary sources and other secondary sources are used to analyze the various interpretations in the historical scholarship on issues ranging from Creation to the Renaissance. Students will come to see how patterns are repeated throughout history and how God's sovereignty is emphasized over all nations and people. Due to the in-depth information, analysis, and interpretation required, students should expect to spend at least 2-3 hours per week outside the classroom on homework consisting of assigned reading and guided reading notes. Students conduct additional research; writings will be more complex in their content. It is expected that students' thoughts and writing show advanced skills of analysis and expression, and work will be graded accordingly. Students will analyze

how God paved the way for Christianity to thrive through persecution, the Roman Empire, the Byzantine Empire, and the emergence of Islamic States. Additionally, students will determine the great stepping-stones that emerged during the Medieval and Middle Ages to bring on the development of modern nations and exploration. Primary and secondary sources are introduced, along with exploring and analyzing documents, maps, and images of events in world history. Students will take a final exam.

College Prep World History II

One Semester, 1.0 Credit; *Prerequisites: Successful completion of World History I or Honors World History I*

Students will analyze historical trends starting at the Enlightenment and French Revolution and moving forward to the 21st century. They will witness the effects of the Enlightenment's shaping of modern thought and government, particularly how the encouragement of individual liberties and sovereignty of the people led to revolution in America and France. Students will also see how an advancement in industry led to an improvement in economic stability and a need for more natural resources, starting the Age of Imperialism. After evaluating the growing quest for power and land expansion that caused World War I, students will witness the European economic desperation and discontent over the Treaty of Versailles that would lead to an acceptance of totalitarian dictators. Upon seeing how fear of Hitler's expansion and the attacks on Pearl Harbor led the world back into another world war, students will assess the decision of the United States to use atomic weapons. Students will measure the costs of war, including how the fear of mass destruction generated the Cold War. Throughout this course, students will demonstrate information literacy by defining the task, retrieving and acquiring information, processing the data, and analyzing primary and secondary sources through document analysis. Students will come to conclusions based on the evidence and the Christian worldview, as well as continue to develop historical writing skills. **Students will take a final exam.**

Honors World History II

One Semester, 1.0 Credit; *Prerequisites: Complete World History I – 87% or higher or H World History I (83% or higher)*

The course is designed to provide a comprehensive overview of World History, to provide students with the historical thinking skills and factual knowledge to deal critically with world problems, and to affirm God's creation for His glory and mankind's good. Both primary sources and secondary sources are used to analyze the various interpretations in the historical scholarship on issues ranging from Enlightenment and French Revolution to present day. Students will come to see how patterns are repeated throughout history and how God's sovereignty is emphasized over all nations and people. Students will witness the effects of the Enlightenment's shaping of modern thought and government, particularly how the encouragement of individual liberties and sovereignty of the people led to revolution in America and France. Students will also see how an advancement in industry led to an improvement in economic stability and a need for more natural resources, starting the Age of Imperialism. After evaluating the growing quest for power and land expansion that caused World War I, students will witness the European economic desperation and discontent over the Treaty of Versailles that would lead to an acceptance of totalitarian dictators. Upon seeing how fear of Hitler's expansion and the attacks on

Pearl Harbor led the world back into another world war, students will assess the decision of the United States to use atomic weapons. Students will measure the costs of war, including how the fear of mass destruction generated the Cold War. Students will explore events of modern world history through documents, images, cartoons, and quantitative data. Students will take a final exam. **NOTE: Due to the in-depth information, analysis, and interpretation required, students will develop new study habits to prepare for assessments. Students should expect at least 2–3 hours of homework per week outside of the classroom, consisting of assigned reading and guided reading notes. Additionally, students will draw upon critical thinking skills to complete written assessments.**

College Prep US History

One Semester, 1.0 Credit; *Prerequisites: Successful completion of World History II or H World History II.*

College Prep US History traces American history from the time of European discovery to the Civil Rights Movement and through the '70s and '80s. Students will understand the origins of self-government in colonial and independent America. This course emphasizes God's role as the Author of history and His working in our nation. **Students will take a final exam.**

Honors US History

One Semester, 1.0 Credit; *Prerequisites: Completion of World History II (87% or higher) or H World History II (83% or higher)*

Honors US History traces American History from the period of exploration through the 2020 election. Students will examine the details of the historical stories in relation to the Constitution and existing government function. The ideas of self-government, freedom, liberty, and other philosophical issues will be discussed and debated. A strong emphasis on current events will help students relate the study of history and government to the current day. Source documents will help students to find truth without commentary. This course emphasizes God's role as the Author of history and His continued working in our nation. Students will take a final exam. **NOTE: Due to the in-depth information, analysis, and interpretation required, students will develop new study habits to prepare for assessments. Students should expect at least 2–3 hours of homework per week outside of the classroom, consisting of assigned reading and guided reading notes. Additionally, students will draw upon critical thinking skills to complete written assessments.**

AP US History

Full Year, 1.0 Credit; *Prerequisites: Completion of H World History II (83% or higher)*

Advanced Placement United States History (APUSH) examines the evolution of the American republic from the initial European incursions into North America to the present. Primary sources and other secondary sources will be used to analyze the various interpretations in historical scholarship of issues such as urbanization, slavery, women's rights, and more. Students will explore events of U.S. history through the use and analysis of documents, images, cartoons, quantitative data, and other primary sources. They will also develop an understanding of major themes in U.S. history, including American identity, economic and social life, political change and continuity, and the U.S.'s role in the world. The course is designed to provide a comprehensive overview of U.S. history, to provide

students with the historical thinking skills and factual knowledge to deal critically with problems in U.S. history, and to affirm God's creation of the institution of government for His glory and mankind's good. **Students will take a mid-term exam and are required to take the national AP exam in May.**

TO CONSIDER:

- AP U.S. History is a college course you commit to taking in high school.
- Students should expect at least 3-4 hours per week of work outside the classroom.
- Assessments are cumulative. Beginning with Unit 3, assessments will span two days and will mirror an AP exam. All assessments are timed.
- This class will have summer work, which must be completed by the first day of school.
- This course will incur a fee of \$110 for the National Exam in May.

College Prep US Government and Economics

One Semester, 1.0 Credit; *Prerequisites: Successful completion of United States History or H United States History*

United States government is studied during the first half of the course. An understanding of how our government was founded, how it functions, and our responsibility to be active government participants are taught. The three branches of government are a course focus. Economics is studied during the second half of the course with an emphasis on personal finance. Economics will be viewed in relation to our nation, world, business, and home.

Students will take a final exam.

Honors US Government and Economics

One Semester, 1.0 Credit; *Prerequisites: Completion of CP United States History (87% or higher) or H United States History or AP United States History (83% or higher)*

United States government is studied during the first half of the course. An understanding of how our government was founded, how it functions, and our responsibility to be active government participants are taught. The three branches of government are a course focus. Economics is studied during the second half of the course and is defined in relation to our nation, world, business, and home. Works by Dave Ramsey and Callie and Rosario Picardo are read and discussed. One course objective is for students to learn to read synoptically.

Students will take a final exam. NOTE: Students should be prepared to read multiple sources, write, and present varied topics to the class.

AP US Government and Politics

Full Year, 1.0 Credit; *Prerequisites: Completion of H US History or AP US History (83% or higher)*

AP US Government and Politics provides a college-level, non-partisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the U.S. from the Christian worldview. Students study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to understand the relationships and interactions among political institutions, processes, and behaviors. They also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. **Students are required to take the national AP exam in May.**

TO CONSIDER:

- AP U.S. Government is a college course you commit to taking in high school.
- Students should expect at least 3–4 hours per week of work outside the classroom.
- Assessments are cumulative. Beginning with Unit 3, assessments will span two days and will mirror an AP exam. All assessments are timed.
- This class will have summer work, which must be completed by the first day of school.
- This course will incur a fee of \$110 for the National Exam in May.

AP Microeconomics

Full Year, 1.0 Credit; *Prerequisites: Completion of the previous Honors or AP History course (83% or higher)*

AP Microeconomics gives students a thorough understanding of the principles of economics that apply to the functions of individual decision-makers, both consumers and producers, within the larger economic system. It places primary emphasis on the nature and function of product markets. It also examines factor markets and the role of government in promoting greater efficiency and equity in the economy. It provides the foundations needed for further economic study. Concepts emphasized will include supply and demand, marginal analysis, economic elasticities, externalities, equilibriums, diverse market structures, and the factors of production. ***Students are required to take the national AP exam in May.***

TO CONSIDER:

- AP Microeconomics is a college course you commit to taking in high school.
- Students should expect at least 3–4 hours per week of work outside the classroom.
- This class will have summer work, which must be completed by the first day of school.
- This course will incur a fee of \$110 for the National Exam in May.

AP Macroeconomics

Full Year, 1.0 Credit; *Prerequisites: Completion of the previous Honors or AP History course (83% or higher)*

AP Macroeconomics introduces students to the principles that apply to an economic system. The course emphasizes the study of national income and price-level determination. It also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. ***Students are required to take the national AP exam in May.***

TO CONSIDER:

- AP Macroeconomics is a college course you commit to taking in high school.
- Students should expect at least 3–4 hours per week of work outside the classroom.
- This class will have summer work, which must be completed by the first day of school.
- This course will incur a fee of \$110 for the National Exam in May.

MATHEMATICS

The math department's goal is to give each student the very best mathematics education possible, taking into consideration ability, interest, and necessary preparation for success in college and life. Faculty members teach competent use of technology throughout the curriculum. The TI-84 graphing calculator is an integral tool at all levels of instruction. The minimum requirement for graduation is four years.

MATH

College Prep Algebra

One Semester, 1.0 Credit; *Prerequisites: Successful completion of Math 8 or completion of 8th grade Algebra I*

This is a first-year algebra course in which students will learn to reason symbolically. The key content involves writing, solving, and graphing linear and quadratic equations, including systems of two linear equations in two unknowns. Quadratic equations are solved by factoring, graphically, or by application of the quadratic formula. The course also includes the study of monomial and polynomial expressions, inequalities, exponents, functions, rational expressions, ratio, and proportion. Algebraic skills are applied in a wide variety of problem-solving situations. Models of functions are explored with the use of Desmos and a TI 84+ graphing calculator. However, students should be able to graph, solve equations, and perform calculations without a calculator. Real-world application problems will also be integrated throughout as students work to develop concept comprehension to use in future courses. Algebra I requires a keen aptitude for applying properties at a higher level of complexity in problem-solving, abstract reasoning, and real-world applications. Throughout the course, the Christian worldview will be incorporated to help students recognize and appreciate the sovereignty of God through mathematics. **Students will take a final exam.**

College Prep Geometry

One Semester, 1.0 Credit; *Prerequisites: Successful completion of Algebra I and 9th grade*

This standard first course in geometry covers the required concepts of Euclidean geometry including definitions, postulates, and theorems. Areas of study include angles, parallel lines, congruent and similar triangles, rectilinear figures, polygons, circles and arcs, and the Pythagorean Theorem. Surface areas and volumes of 3D figures will be calculated. Specific topics covered include coordinate and spatial geometry, transformations, introductory trigonometry, and constructions. The powers of abstract reasoning, spatial visualization, and logical reasoning patterns are improved through this course. Students will also develop the use of inductive, deductive, and intuitive reasoning skills. The use of technology is integrated in the course with either a TI-84+ graphing or scientific calculator. Real-life application problems will help students understand and use concepts and assigned projects that apply mastered skills and knowledge. SAT- and ACT-type practice problems will enhance students' critical reasoning and analysis skills. Throughout Geometry,

algebraic principles will be reviewed and applied in problem-solving as preparation for the next mathematics course in sequence, and the Christian worldview will be incorporated to help students recognize and appreciate the sovereignty of God through mathematics. **Students will take a final exam.**

Honors Geometry

One Semester, 1.0 Credit; *Prerequisites: Rising 9th: Completion of Algebra I – 83% or higher and a score of a minimum of 85% on Algebra I Spring final exam; Rising 10th: Completion of Algebra I – 87% or higher*

This standard first course in geometry covers the required concepts of Euclidean geometry including definitions, postulates, and theorems. Areas of study include angles, parallel lines, congruent and similar triangles, rectilinear figures, polygons, circles and arcs, and the Pythagorean Theorem. Surface areas and volumes of 3D figures will be calculated. Specific topics covered include coordinate and spatial geometry, transformations, introductory trigonometry, and constructions. The powers of abstract reasoning, spatial visualization, and logical reasoning patterns are improved through this course. Students will also develop the use of inductive, deductive, and intuitive reasoning skills. The use of technology is integrated in the course with either a TI-84+ graphing or scientific calculator. Real-life application problems will help students understand and use concepts and assigned projects that apply mastered skills and knowledge. SAT- and ACT-type practice problems will enhance students' critical reasoning and analysis skills. Throughout Geometry, algebraic principles will be reviewed and applied in problem-solving as preparation for the next mathematics course in sequence, and the Christian worldview will be incorporated to help students recognize and appreciate the sovereignty of God through mathematics. **Students will take a final exam. NOTE: Honors Geometry is a fast-paced course in which students should be prepared to solve a broader range of complex problems using their critical thinking skills. They will be tested on more application and conceptual problems and be required to write more complex proofs.**

College Prep Algebra II

One Semester, 1.0 Credit; *Prerequisites: Completion of Algebra I and H or CP Geometry*

College Prep Algebra II builds upon the concepts introduced in Algebra I. Students will review and master algebraic concepts such as solving equations and inequalities, factoring, and simplifying expressions. They will explore quadratic, polynomial, piecewise, rational, exponential, and logarithmic functions and their applications. Matrices, systems of equations, and analytic geometry will also be explored in depth. Students will be introduced to trigonometry, sequences, and series. Modeling and real-world applications will be integrated into each of these topics. SAT- and ACT-type practice problems will enhance students' critical reasoning and analysis skills. Students are expected to perform most calculations without the use of a calculator; however, a TI-84+ graphing calculator will be used as a tool for exploration, graphing, regression, and more complex calculations. Throughout the course, the Christian worldview will be incorporated to help students recognize and appreciate the sovereignty of God through mathematics. **Students will take a final exam.**

HONORS ALGEBRA II

One Semester, 1.0 Credit; *Prerequisites: Completion of Algebra I or CP Geometry - 87% or higher or completion of H Geometry - 83% or higher*

Honors Algebra II builds upon the concepts introduced in Algebra I. Students will review and master algebraic concepts such as solving equations and inequalities, factoring, and simplifying expressions. Students will explore quadratic, polynomial, piecewise, rational, exponential, and logarithmic functions and their applications. Matrices, systems of equations, and analytic geometry will also be explored in depth. Students will be introduced to trigonometry, sequences, and series. Modeling and real-world applications will be integrated into each of these topics. SAT- and ACT-type practice problems will enhance students' critical reasoning and analysis skills. Students are expected to perform most calculations without a calculator; however, a TI-84+ graphing will be used as a tool for exploration, graphing, regression, and more complex calculations. Throughout the course, the Christian worldview will be incorporated to help students recognize and appreciate the sovereignty of God through mathematics. ***Students will take a final exam. NOTE: Honors Algebra II is a fast-paced course in which students should be able to solve a broader range of complex problems using their critical thinking skills. They will be tested on more application and conceptual problems.***

COLLEGE PREP ALGEBRA III WITH TRIGONOMETRY

One Semester, 1.0 Credit; *Prerequisites: Completion of CP or H Algebra II*

Algebra III with Trigonometry is designed for students who have successfully completed Algebra II. This course will enhance the higher-level thinking skills developed in Algebra II through a more in-depth study of those concepts and exploration of some precalculus concepts. Students in Algebra III will be challenged to increase their understanding of algebraic, graphical, and numerical methods to analyze, translate, and solve quadratic, polynomial, rational, exponential, and logarithmic functions. Algebra III with Trigonometry will also include a study of trigonometric functions and their graphs, right triangles, and oblique triangles. Modeling real world situations is an important part of this course and will be applied throughout. Data analysis, combinatorics, and probability will be studied, as well. A TI-84+ graphing calculator is used for exploration, modeling, computations, and function analysis. Lessons learned in the classroom will be practiced and mastered through ALEKS, an online adaptive learning system. Students will show mastery of concepts necessary for a solid foundation in college mathematics. Throughout the course, the Christian worldview will be incorporated to help students recognize and appreciate the sovereignty of God through mathematics. ***Students will take a final exam.***

Honors Algebra III with Trigonometry

One Semester, 1.0 Credit; *Prerequisites: Completion of H Algebra II - 83% or higher or completion of CP Algebra II - 87% or higher*

Algebra III with Trigonometry is designed for students who have successfully completed Algebra II. This course will enhance the higher-level thinking skills developed in Algebra II through a more in-depth study of those concepts and exploration of some precalculus concepts. Students in Algebra III will be challenged to increase their understanding of

algebraic, graphical, and numerical methods to analyze, translate and solve quadratic, polynomial, rational, exponential, and logarithmic functions. Algebra III with Trigonometry will also include a study of trigonometric functions and their graphs, right triangles, and oblique triangles. Modeling real world situations is an important part of this course and will be applied throughout. Data analysis, combinatorics, and probability will be studied, as well. A TI-84+ graphing calculator is used for exploration, modeling, computations, and function analysis. Lessons learned in the classroom will be practiced and mastered through ALEKS, an on line adaptive learning system. Students will show mastery of concepts necessary for a solid foundation in college mathematics. Throughout the course, the Christian worldview will be incorporated to help students recognize and appreciate the sovereignty of God through mathematics. ***Students will take a final exam. NOTE: Honors course students should be able to solve a broader range of complex problems using their critical thinking skills. They will also be expected to have a solid foundation in Algebra. In preparation for Precalculus, they will be tested on more applications and conceptual problems.***

College Prep Discrete Mathematics

One Semester, 1.0 Credit; *Prerequisites: Completion of H or CP Algebra II*

Discrete Mathematics involves studying discrete (non-continuous) variables in mathematics. Topics include propositional logic; set, number, and graph theory; matrices; sequences and series; statistics and probability; and election theory. Students will also be exposed to the application of spreadsheets in the world of mathematics, especially when working with algorithms that involve repeated processes. The foundations established in this course will help prepare students for college-level courses in computer science, philosophy, and statistics. A TI-84+ graphing calculator and Excel/Google Sheets will be used for exploration, modeling, computations, and algorithms. ***Students will take a final exam.***

Honors Discrete Mathematics

One Semester, 1.0 Credit; *Prerequisites: Completion of H Algebra II, H AFM, or AP Precalculus - 83% or higher or completion of CP Algebra II or CP AFM - 87% or higher*

Discrete Mathematics involves studying discrete (non-continuous) variables in mathematics. Topics include propositional logic; set, number, and graph theory; matrices; sequences and series; statistics and probability; and election theory. Students will also be exposed to the application of spreadsheets in the world of mathematics, especially when working with algorithms that involve repeated processes. The foundations established in this course will help prepare students for college level courses in computer science, philosophy, and statistics. A TI-84+ graphing calculator and Excel/ Google Sheets will be used for exploration, modeling, computations, and algorithms. ***Students will take a final exam. NOTE: Honors course students should be able to solve a broader range of complex problems using their critical thinking skills.***

AP Precalculus

Full Year, 1.0 Credit; *Prerequisites: Completion of H Algebra II, H AFM, or H Discrete Mathematics – 83% or higher*

AP Precalculus, as its name suggests, is designed to prepare students for calculus in either high school or college. The course features a multi-representational approach to precalculus, with concepts, results, and problems expressed graphically, numerically, analytically, and verbally. Students will apply technology, modeling, and problem-solving skills to the study of polynomial, rational, inverse, exponential, logarithmic, and trigonometric functions. A comprehensive study of trigonometry is included in this course. Topics also include polar coordinates, parametric equations, limits, and continuity. If time allows, sequences and series will be explored. A TI-84+ graphing calculator is used for exploration, modeling, computations, and function analysis. AP Precalculus is a fast-paced course in which students should be prepared to be challenged and work hard. Students will develop their problem-solving and critical thinking skills throughout the course. Since this is an AP course, students will be expected to be able to solve a broad range of complex problems using their critical thinking skills. They will be tested on basic computations and problems involving application and understanding concepts. Throughout the course, the Christian worldview will be incorporated to help students recognize and appreciate the sovereignty of God through mathematics. ***Students are required to take a midterm exam and the national AP exam in May.***

TO CONSIDER:

- AP Precalculus is a college course you commit to taking in high school.
- This class meets on either Blue or Gold days, so class meets only 2–3 times per week. Even though the class does not meet every day, students will need to work daily to be successful. Students will need to be self-disciplined to study, work on assignments, or get help on off days so that they will be prepared for each class.
- In addition to completing homework for each topic, students will also be required to complete progress checks and watch assigned videos in AP Classroom.
- It is imperative that students make every effort to attend and be prepared for each class.
- Students must also possess the following knowledge and skills:
 - Proficiency with linear functions
 - Proficiency in polynomial addition and multiplication
 - Proficiency in factoring quadratic trinomials
 - Proficiency in using the quadratic formula
 - Proficiency in solving right triangle problems involving trigonometry
 - Proficiency in solving linear and quadratic equations and inequalities
 - Proficiency in algebraic manipulation of linear equations and expressions
 - Proficiency in solving systems of equations in two and three variables
 - Familiarity with piecewise-defined functions
 - Familiarity with exponential functions and rules for exponents
 - Familiarity with radicals (e.g., square roots, cube roots)
 - Familiarity with complex numbers
- This class will have summer work, which must be completed by the first day of school.
- This course will incur a fee of \$110 for the National Exam in May.

AP Calculus AB

Full Year, 1.0 Credit; *Prerequisites: Completion of AP Precalculus – 83% or higher*

AP Calculus AB focuses on students' understanding of calculus concepts and provides experience with methods and applications. Using the big ideas of calculus (e.g., modeling change, approximation and limits, and analysis of functions), the course becomes a cohesive whole, rather than a collection of unrelated topics. This course requires students to use definitions and theorems to build arguments and justify conclusions. The course features a multi-representational approach to calculus, with concepts, results, and problems expressed graphically, numerically, analytically, and verbally. Exploring connections among these representations builds understanding of how calculus applies limits to develop important ideas, definitions, formulas, and theorems. A sustained emphasis on clear communication of methods, reasoning, justifications, and conclusions is essential. Students will use technology regularly to reinforce relationships among functions, to confirm written work, to implement experimentation, and to assist in interpreting results. A TI-84+ graphing calculator will be used throughout the course; however, most problems will be solved analytically. AP Calculus AB is designed to be the equivalent of a first-semester college calculus course devoted to topics in differential and integral calculus. At the end of this course, students will take the national Advanced Placement exam for the opportunity to earn college credit for Calculus I. Throughout the course, the Christian worldview will be incorporated to help students recognize and appreciate the sovereignty of God through mathematics. ***Students are required to take a midterm exam and the national AP exam in May.***

TO CONSIDER:

- AP Calculus AB is a college course you commit to taking in high school.
- This class meets on either Blue or Gold days, so class meets only 2–3 times per week. Even though the class does not meet every day, students will need to work daily to be successful.
- Students will need to be self-disciplined to study, work on assignments, or get help on off days so that they will be prepared for each class.
- It is imperative that students make every effort to attend and be prepared for each class.
- In addition to completing homework for each topic, students will also be required to complete progress checks and watch assigned videos in AP Classroom.
- Students will need to remember and apply all the skills learned in AP Precalculus. This includes, but is not limited to, identifying characteristics and transformations of parent functions, solving equations and inequalities, and trigonometry.
- Students will be expected to evaluate exponential, logarithmic, and trigonometric expressions without a calculator.
- Students will be expected to have memorized the Unit Circle and Trigonometric Identities.
- Students will also be expected to memorize Calculus Formulas and Theorems.
- This class will have summer work, which must be completed by the first day of school.
- This course will incur a fee of \$110 for the National Exam in May.

AP Calculus BC

Full Year, 1.0 Credit; *Prerequisites: Completion of AP Precalculus – 90% or higher or completion of AP Calculus AB – 83% or higher*

AP Calculus BC focuses on students' understanding of calculus concepts and provides experience with methods and applications. Using the big ideas of calculus (e.g., modeling change, approximation and limits, and analysis of functions), this course becomes a cohesive whole, rather than a collection of unrelated topics. This course requires students to use definitions and theorems to build arguments and justify conclusions. The course features a multi-representational approach to calculus, with concepts, results, and problems expressed graphically, numerically, analytically, and verbally. Exploring connections among these representations builds understanding of how calculus applies limits to develop important ideas, definitions, formulas, and theorems. A sustained emphasis on clear communication of methods, reasoning, justifications, and conclusions is essential. Students will use technology regularly to reinforce relationships among functions, to confirm written work, to implement experimentation, and to assist in interpreting results. A TI-84+ graphing calculator will be used throughout the course; however, most problems will be solved analytically. AP Calculus BC is designed to be the equivalent of both first and second semester college calculus. AP Calculus BC applies the content and skills learned in AP Calculus AB to parametrically defined curves, polar curves, and vector-valued functions; develops more integration techniques and applications; and introduces the topics of sequences and series. At the end of this course, students will take the national Advanced Placement exam for the opportunity to earn college credit for both Calculus I and Calculus II. Throughout the course, the Christian worldview will be incorporated to help students recognize and appreciate the sovereignty of God through mathematics. ***Students are required to take a midterm exam and the national AP exam in May.***

TO CONSIDER:

- AP Calculus BC is a college course you commit to taking in high school.
- The BC course covers almost twice as much material as the AB course; thus, we will move through the AB curriculum in BC twice as fast as in the AB course.
- This class meets on either Blue or Gold days, so class meets only 2–3 times per week. Even though the class does not meet every day, students will need to work daily to be successful.
- Students will need to be self-disciplined to study, work on assignments, or get help on off days so that they will be prepared for each class.
- It is imperative that students make every effort to attend and be prepared for each class.
- In addition to completing homework for each topic, students will also be required to complete progress checks and watch assigned videos in AP Classroom.
- Students will need to remember and apply all the skills learned in AP Precalculus. This includes, but is not limited to, identifying characteristics and transformations of parent functions, solving equations and inequalities, and trigonometry.
- Students will be expected to evaluate exponential, logarithmic, and trigonometric expressions without a calculator.
- Students will be expected to have memorized the Unit Circle and Trigonometric Identities.
- Students will also be expected to memorize Calculus Formulas and Theorems.
- This class will have summer work, which must be completed by the first day of school.
- This course will incur a fee of \$110 for the National Exam in May.

AP Statistics

Full Year, 1.0 Credit; *Prerequisites: Completion of H Algebra II, H Discrete Mathematics, H Advanced Functions & Modeling (AFM), AP Precalculus, or AP Calculus – 83% or higher*

The AP Statistics course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the content, skills, and assessment in the AP Statistics course: exploring data, sampling and experimentation, probability and simulation, and statistical inference. Students use technology, investigations, problem solving, and writing to build conceptual understanding. Students design, administer, and tabulate results from surveys and experiments. Probability and simulations aid students in constructing models for chance behavior. Sampling distributions provide the logical structure for confidence intervals and hypothesis tests. Students will use a TI-84+ graphing calculator, outputs from Fathom and Microsoft Excel statistical software, and Web-based Java applets to investigate statistical concepts. To develop effective statistical communication skills, students must prepare frequent written and oral analyses of real data using the vocabulary of statistics. The AP Statistics course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. Throughout the course, the Christian worldview will be incorporated to help students recognize and appreciate the sovereignty of God through mathematics. **Students are required to take a midterm exam and the national AP exam in May.**

TO CONSIDER:

- AP Statistics is a college course you commit to taking in high school. The course is not a typical math course. It demands a higher level of reading comprehension and an ability to communicate concepts well.
- This class meets on either Blue or Gold days, so class meets only 2-3 times per week. Even though the class does not meet every day, students will need to work daily to be successful.
- Students will need to be self-disciplined to study, work on assignments, or get help on off days so that they will be prepared for each class.
- It is imperative that students make every effort to attend and be prepared for each class.
- In addition to completing homework for each topic, students are required to complete progress checks and watch assigned videos in AP Classroom.
- This class will have summer work, which must be completed by the first day of school.
- This course will incur a fee of \$110 for the National Exam in May.

Introduction to Data Analysis (IDA)

One Semester, 0.5 Credit; *Prerequisites: Successful completion of Algebra I*

Introduction to Data Analysis exposes students to the basic principles of regression, probability, and statistics. Regression topics include linear, quadratic, and exponential regression (curve fitting) based on given data points. Probability topics focus on basic probability, independent/dependent events, conditional probability, and basic elements of set theory. Statistics topics focus on measures of center and variability with an introductory look at the normal distribution. Students will develop an ability to analyze data and statistics in context to draw conclusions. Students will also learn about methods of extrapolation/interpolation along with probability to help predict events and develop a greater understanding of the events happening around us. Data will be looked at from several current events as well to both examine the data and to see how it can be manipulated via different methods. The use of technology is integrated in the course through both a TI-84+ graphing calculator and basic data analysis programs (Google Sheets/Excel). Real-life application problems will assist students in understanding and using concepts along with assigned projects that apply mastered skills and knowledge. SAT- and ACT-type practice problems will enhance student critical reasoning and analysis skills. Standardized test taking skills will also be discussed and applied with SAT and ACT practice tests. Throughout the course, the Christian worldview will be incorporated to help students recognize and appreciate the sovereignty of God through mathematics. No final exam for this class. ***NOTE: This course is automatically loaded for all sophomores. Students do not need to request the course in the portal.***



SCIENCE

Science is, at the same time, a body of information and a way of looking at the world. Graduates of SouthLake Christian must possess both an understanding of scientific processes and the analytical abilities necessary to utilize these concepts. Students are required to take a biology, a physical science, a third option of chemistry, anatomy, or physics.

College Prep Biology

One Semester, 1.0 Credit; *Prerequisites: Successful completion of Science 8*

CP Biology is the study of all living things. This course will build on student understanding of life science, including biochemistry, cell structure and function, nucleic acid and protein synthesis, cell growth and division, genetics, classification, human body systems, ecosystems, and invertebrate/vertebrate animals (including dissections). Evolution and Creation are compared based on scientific and Scriptural evidence, considering the philosophical basis of each theory. Students will participate in laboratory investigations, including collecting data, analyzing, drawing conclusions, and reporting. Throughout the course, students will see how they are uniquely created and equipped to fulfill God's purpose for them in His incredible world. **Students will take a final exam.**

Honors Biology

One Semester, 1.0 Credit; *Prerequisites: Completion of Science 8 (87% or higher)*

Biology is the study of all living things. This course will build on student understanding of life science, including biochemistry, cell structure and function, nucleic acid and protein synthesis, photosynthesis, cellular respiration, cell growth and division, genetics, classification, human body systems, ecosystems, and invertebrate/vertebrate animals (including dissections). Evolution and Creation are compared based on scientific and Scriptural evidence, considering the philosophical basis of each theory. Students will participate in laboratory investigations, including scientific questioning, data collection, analysis, drawing conclusions, and presenting findings in formal lab reports. Throughout the course, students will see how they are uniquely created and equipped to fulfill God's purpose for them in His incredible world. **Students will take a final exam. NOTE: Honors Biology students are expected to be self-directed and independent learners. After initial guidance in writing lab reports, students will be expected to write proficiently on their own. The course proceeds at a faster pace than College Prep Biology and requires a greater amount of outside-of-class work.**

College Prep Physical Science

One Semester, 1.0 Credit; *Prerequisites: Successful completion of Biology*

Physical science is the study of the physical world and encompasses two branches:

- Physics: the study of the relationship between matter and energy
- Chemistry: the study of the structure and properties of matter

The course introduces and coordinates theoretical elements of this science with laboratory

experimentation. Topics include the scientific method, motion and force, energy, electricity and magnetism, matter, atomic structure, bonding, and reactions. Students will participate in laboratory investigations, including collecting data, analyzing, drawing conclusions, and reporting. Students will receive significant teacher direction and guidance in the critical thinking skills involved in problem-solving and writing lab reports. The course seeks to develop a greater understanding and appreciation of the order and design of God's creation. **Students will take a final exam.**

Honors Physical Science

One Semester, 1.0 Credit; *Prerequisites: Completion of CP Biology – (87% or higher) or H Biology (83% or higher)*

Physical science is the study of the physical world and encompasses two branches:

- Physics: the study of the relationship between matter and energy
- Chemistry: the study of the structure and properties of matter

The course introduces and coordinates theoretical elements of this science with laboratory experimentation. Topics include the scientific method, motion and force, energy, electricity and magnetism, waves, matter, atomic structure, bonding, and reactions. Students will participate in laboratory investigations, including collecting data, analyzing, drawing conclusions, and reporting. Students will be exposed to critical-thinking skills involved in problem-solving and writing lab reports. The course seeks to develop a greater understanding and appreciation of the order and design of God's creation. **Students will take a final exam. NOTE: Honors Physical Science students are expected to exercise independent problem-solving and lab report writing skills. In addition to understanding key concepts in physics and chemistry, students will use critical and analytical thinking to apply key concepts and independently extend their learning. The course proceeds at a faster pace than College Prep Physical Science, going deeper into each topic and requiring a greater amount of outside of class work.**

College Prep chemistry

One Semester, 1.0 Credit; *Prerequisites: Students must meet both of the following criteria: Successful completion of Biology and Completion of or concurrent enrollment in Algebra II*

Chemistry is the study of the composition, structure, and properties of matter and the transformation it undergoes. The course coordinates theoretical elements of this science with laboratory experimentation. Topics include general scientific method, atomic structure, bonding, chemical reactions and calculations, phases of matter, thermochemistry, and acids and bases. Students will participate in laboratory investigations, including collecting data, analyzing, drawing conclusions, and reporting. Students will receive significant teacher direction and guidance in the critical-thinking skills involved in problem-solving and writing lab reports. The course will focus on knowing key concepts in chemistry, and students will develop a greater understanding and appreciation of the order and design of God's creation. **Students will take a final exam.**

Honors Chemistry

One Semester, 1.0 Credit; *Prerequisites: Students must meet each of the following criteria to be eligible for this course: Completion of or concurrent enrollment in CP or H Algebra II, an average of 87% or higher in most recent CP math class or 83% or higher in most recent H math class, an average of 87% or higher in most recent CP science class or 83% or higher in most recent H science class*

Chemistry is the study of the composition, structure, and properties of matter and the transformation it undergoes. The course coordinates theoretical elements of science with laboratory experimentation. Topics include general scientific methods, atomic structure, bonding, chemical reactions and calculations, phases of matter, thermochemistry, and acids and bases. Students will participate in laboratory investigations, including scientific questioning, data collection, analysis, drawing conclusions, and presenting findings in lab notebooks and formal lab reports. Students will develop a greater understanding and appreciation of the order and design of God's creation. **Students will take a final exam.**

NOTE: Honors Chemistry students are expected to exercise independent problem-solving and lab report writing skills. In addition to understanding key concepts in chemistry, students will use critical and analytical thinking to apply key concepts and independently extend their learning. The course proceeds at a faster pace than College Prep Chemistry, going deeper into each topic and requiring a greater amount of outside-of-class work.

College Prep anatomy

One Semester, 1.0 Credit; *Prerequisites: Successful completion of Biology and Physical Science or Chemistry*

Anatomy is the study of the human body. The course begins with exposure to anatomical terminology and tissue classification. Students will then learn the anatomy of the following systems: integumentary, muscular, skeletal, cardiovascular, nervous, digestive, endocrine, and respiratory. This course focuses on basic knowledge of anatomical parts. Each system's function (physiology) will be addressed generally but not as a primary focus. Practical knowledge is accomplished through dissections of sheep organs such as the brain and the heart. Students will gain an understanding of the awe-inspiring complexity and beauty of God's work in His creation of the human body. **Students will take a final exam.**

Honors Anatomy and Physiology

One Semester, 1.0 Credit; *Prerequisites: Students must meet both of the following criteria: Completion of CP Biology - 87% or higher or completion of H Biology - 83% or higher, Completion of CP Physical Science or CP Chemistry - 87% or higher or completion of H Physical Science or H Chemistry (83% or higher)*

Anatomy is the study of the human body. Physiology addresses the physical and chemical processes that drive the function of body systems. The course begins with exposure to anatomical terminology and tissue classification. Students then will learn the anatomy and physiology of the following systems: integumentary, muscular, skeletal, cardiovascular, nervous, digestive, endocrine, and respiratory. This course covers basic knowledge of anatomical parts and further focuses on the function (physiology) of each system. Practical knowledge is accomplished through dissections of cow or sheep organs such as the brain,

eye, heart, and lungs. Laboratory investigations will allow students to discover, for example, how exercise affects circulation and respiration. Students will gain an understanding of the awe-inspiring complexity and beauty of God's work in His creation of the human body.

Students will take a final exam. NOTE: Honors Anatomy and Physiology students are expected to be self-directed, independent learners and to demonstrate independent lab reporting skills. The course covers more content than College Prep Anatomy and requires a greater amount of outside-of-class work.

College Prep Microbiology

One Semester, 1.0 Credit; *Prerequisites: Students must meet both of the following criteria: Completion of CP or H Biology and completion of CP or H Physical Science or Chemistry.*

Microbiology is the study of microorganisms. This course will introduce the student to the everyday interactions of microbes and the environment. The course material builds on concepts introduced in biology. Topics will include the diversity of microbes (including bacteria, protists, fungi, algae, and viruses), microbial diseases, methods of microbe control, the workings of our incredible God-given immune system, and ways microbes benefit society. A variety of laboratory exercises, including bacterial staining procedures and microscope work, will reinforce course content. **Students will take a final exam.**

Honors Microbiology

One Semester, 1.0 Credit; *Prerequisites: Students must meet both of the following criteria: Completion of CP Biology (87% or higher) or completion of H Biology (83% or higher) and Completion of CP Physical Science or CP Chemistry (87% or higher) or H Physical Science or H Chemistry (83% or higher)*

Microbiology is the study of microorganisms. This course will introduce the student to the everyday interactions of microbes and the environment. The course material builds on concepts introduced in Biology. Topics will include the diversity of microbes (including bacteria, protists, fungi, algae, and viruses), microbial diseases, methods of microbe control, the workings of our incredible God-given immune system, and ways microbes benefit society. A variety of laboratory exercises, including bacterial staining procedures and microscope work, will reinforce course content. **Students will take a final exam. NOTE: In Honors Microbiology, students are expected to be self-directed, independent learners and to demonstrate independent lab report writing skills. The course covers more content than College Prep Anatomy and requires a greater amount of outside-of-class work.**

AP Biology

Full Year, 1.0 Credit; *Prerequisites: Students must meet both of the following criteria: Completion of CP Chemistry – 87% or higher or H Chemistry (83% or higher) and Completion of H Biology (83% or higher)*

AP Biology is designed to be equivalent to the rigor found in an introductory college biology course. Differing from high school biology, AP Biology will cover concepts with more depth and require a significant amount of independent study outside the classroom. The course revolves around the following four "Big Ideas:"

- Evolution/Creation
- How biological systems use energy and matter
- How biological systems transmit information
- How biological systems interact with one another

Laboratory experiences reinforce scientific practices, including scientific questioning, data collection/analysis, and evaluation of evidence. The focus will be recognizing that science is not about a collection of facts, but rather a process of asking questions and solving problems to benefit the world. ***Students will take a mid-term exam and are required to take the national AP exam in May.***

TO CONSIDER:

- AP Biology is a college course you commit to taking in high school.
- Outside-of-class work will include viewing daily lecture videos, reading and taking notes, writing lab reports, and preparing for daily content quizzes and unit tests.
- This class will have summer work, which must be completed by the first day of school.
- This course incurs a \$110 fee for the National Exam in May

AP Chemistry

Full Year, 1.0 Credit; *Prerequisites: Completion of H Chemistry (83% or higher)*

Chemistry is the study of the composition, structure, and properties of matter and the transformation it undergoes. This AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first year of college. This course is structured around the six big ideas articulated in the AP Chemistry curriculum framework provided by College Board and will cover the structure of matter, properties of matter, chemical reactions, rates of reactions, thermodynamics, and equilibrium. A special emphasis will be placed on the seven science practices, which capture important aspects of the work in which scientists are engaged, including scientific questioning, data collection/analysis, and evaluation of evidence. Analytical thinking will be key for students to generalize their learning and extend it on their own. AP Chemistry is open to all students that have completed Honors Chemistry with the appropriate grade requirement and who wish to take part in a rigorous and academically challenging college-level course. ***Students will take a mid-term exam and are required to take the national AP exam in May.***

TO CONSIDER:

- AP Chemistry is a college course you commit to taking in high school.
- Expect to spend 4-6 hours outside of class viewing and taking notes from daily lecture videos, reading the textbook, writing formal lab reports, and preparing for daily content quizzes and unit tests.
- This class will have summer work, which must be completed by the first day of school.
- This course incurs a \$110 fee for the National Exam in May.

AP Physics

Full Year, 1.0 Credit; *Prerequisites: Completion of AP Precalculus –(83% or higher) or concurrent enrollment in AP Precalculus*

AP Physics I is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: kinematics, dynamics, circular motion and gravitation, energy, momentum, simple harmonic motion, and torque and rotational motion. Students who complete this course will receive an introduction to the major divisions of physics and will develop a greater understanding and appreciation for the order and design of God's creation. ***Students are required to take the national AP exam in May.***

TO CONSIDER:

- AP Physics I is a college course you commit to taking in high school.
- Students should expect to dedicate 4-6 hours per week of outside-of-class time taking notes on videos, writing approximately 10 lab reports, reviewing for approximately eight unit tests, and reviewing for daily quizzes.
- Students must have a proficiency in understanding and solving word problems – physics is mostly reading about real-world situations and making predictions.
- Students must understand and apply trigonometry concepts learned in previous math courses and be able to convert units.
- Students should expect to take ownership of their notes, complete assignments on time, and ask for help as needed.
- This class will have summer work, which must be completed by the first day of school.
- This course incurs a \$110 fee for the National Exam in May.



WORLD LANGUAGE

SouthLake Christian believes that the study of language plays an integral role in a college-preparatory education. Students are encourage to study a second language and achieve the highest possible level of linguistic and cultural proficiency. Students must complete at least two years of one language in the upper school.

College Prep Spanish I

One Semester, 1.0 Credit; *Prerequisites: Completion of 8th grade*

College Prep Spanish I is an introduction to the Spanish language. Students will learn vocabulary related to everyday life, cultural information, and basic grammatical structures. This class will focus on developing the skills of listening, speaking, reading, and writing in the target language. **Students will take a final exam.**

Honors Spanish I

One Semester, 1.0 Credit; *Prerequisites: Students must meet the following criteria to be eligible for this course: Completion of Spanish 8 - 87% or higher and a minimum score of 90% on Spanish 8 Spring final exam*

Honors Spanish I is an advanced introduction to the Spanish language and is for motivated students who are interested in taking advanced Spanish courses in the future. Students will learn vocabulary related to everyday life, cultural information, and basic grammatical structures. This class will focus on developing the skills of listening, speaking, reading, and writing in the target language. **Students will take a final exam.**

College Prep Spanish II

One Semester, 1.0 Credit; *Prerequisites: Successful completion of Spanish I*

College Prep Spanish II will build upon the skills and knowledge developed in Spanish I. Students will learn new vocabulary and grammatical structures such as the preterit tense while continuing to focus on the cultural aspects of the language. They will also continue to develop their listening, speaking, reading, and writing skills in Spanish. This course is not recommended for students planning to take H Spanish III. **Students will take a final exam.**

Honors Spanish II

One Semester, 1.0 Credit; *Prerequisites: Completion of CP Spanish I - 87% or higher or completion of H Spanish I - 83% or higher*

Honors Spanish II is for highly motivated students who have shown proficiency and interest in continuing their study of Spanish. This course will build upon the skills and knowledge developed in Spanish I. Students will learn new vocabulary and grammatical structures such as the preterit tense while continuing to focus on the cultural aspects of the language. They will also continue to develop listening, speaking, reading, and writing skills in Spanish; this will include reading mini-novels independently and presenting in the target language. **Students will take a final exam.**

College Prep Spanish III

One Semester, 1.0 Credit; *Prerequisites: Successful completion of CP or H Spanish II*

College Prep Spanish III will build upon the skills and knowledge developed in Spanish II. Students will learn new vocabulary and grammatical structures such as the preterit vs imperfect tense, while focusing on the language's cultural aspects. Students will explore the geographical specifics of various Spanish-speaking countries. They will also continue to develop their listening, speaking, reading, and writing skills in Spanish. **Students will take a final exam.**

Honors Spanish III

One Semester, 1.0 Credit; *Prerequisites: Completion of CP Spanish II - 87% or higher or completion of H Spanish II - 83% or higher*

Honors Spanish III is an advanced course for students who are interested in Spanish and want to prepare for Honors Spanish IV. It builds upon the skills and knowledge gained in Spanish I and II. Students will be expected to expand their vocabulary range and learn advanced grammatical concepts such as the subjunctive mood. The students will focus on culture through meaningful, project-based learning. They also will continue to develop their listening, speaking, reading, and writing skills in Spanish; this will include reading mini-novels independently and presenting in the target language. **Students will take a final exam.**

Honors Spanish IV

One Semester, 1.0 Credit; *Prerequisites: Completion of H Spanish III with an average of 83% or higher*

Honors Spanish IV is an advanced course that will build upon the skills and knowledge gained in Spanish I-III. It is for highly motivated students with an interest in the Spanish language and culture. This class focuses on advanced vocabulary and grammatical structures, with an emphasis on culture and interaction in Spanish. Students will learn about Spanish-speaking countries and cultural elements such as literature, art, and music. They will continue to develop listening, reading, and writing skills in Spanish, but the emphasis of the class will be on speaking. **Students will take a final exam.**



ELECTIVES



ELECTIVES

SouthLake Christian believes that a well-rounded education includes opportunities for creative expression, physical activity, and leadership development. Our elective courses provide a platform for students to discover their talents and passions. Outside the classroom, students can join a variety of clubs and organizations that enrich their school experience.

AP Computer Science Principles

Full Year, 1.0 Credit; *Prerequisites: Completion of 10th grade and successful completion of Algebra I required; successful completion of Algebra II recommended*

AP Computer Science Principles (CSP) is a full-year, rigorous, college course that introduces high school students to the foundations of modern computing. The course covers a broad range of foundational topics such as digital information, programming, algorithms, the Internet, big data, digital privacy and security, and the societal impacts of computing.

Students are required to take a midterm exam and the national AP exam in May.

TO CONSIDER:

- AP Computer Science Principles is a college course you commit to taking in high school.
- Students can expect to have 6 to 8 hours per week of out-of-class study.
- Students must be willing to persevere through difficult assignments when learning an entirely new language. Repeated, genuine attempts at problem-solving are necessary for success and mastery.
- Students must understand and apply knowledge learned from previous math courses (particularly Algebra).
- Students should show ability when navigating their file system and opening files and editing files on your school-issued computer.
- Students will create programs using Scratch – a block-based programming language – as well as Python – a general-purpose programming language used professionally in robotics, data analysis, web development, and more. As part of the AP exam, students will produce a program that includes unique lists, functions, and parameters and prepare a written response about the program.
- This class will have summer work, which must be completed by the first day of school.
- This course will incur a fee of \$110 for the National Exam in May.

AP Psychology

Full Year, 1.0 Credit; *Prerequisites: Students must have achieved junior standing and earned a cumulative GPA of 3.75 or higher to enroll in this course.*

Advanced Placement Psychology is designed to introduce high school students to the field of psychology at a college level. The course introduces the systematic and scientific study of behavior and mental processes. AP Psychology will cover the topics generally discussed in a college-level introductory psychology course. These topics include social psychology, history, theories, research methods, anatomy of the brain, biological bases of behavior, sensation/perception, consciousness, learning, memory, cognition, development, personality, stress, disorders, and treatments. Students will also learn about the ethics and methods used in psychology's science and practice. Throughout each unit of study, we will

integrate Biblical truths and examine the field through a Biblical lens and our personal and cultural experiences. **Students will take a final exam and are required to take the national AP exam in May.**

TO CONSIDER:

- AP Psychology is a college course you commit to taking in high school. This means that you are doing the type and amount of work comparable to an Introduction to Psychology course.
- College-level attitudes and work habits are expected of all students.
- AP Psychology requires more reading than the typical high school class. Students who want to be successful must complete all outside readings and assignments on time.
- Class time is important, so attendance and participation are necessary for success.
- Learning is ultimately the student's responsibility. Self-motivation is essential. In an AP course, students are to be interested in their own learning and willing to devote the time necessary to explore the course content as fully as possible.
- AP Psychology is a fun, exciting, and intriguing class. Be prepared to think and be challenged each day. Your success and the success of this class depend on your attitude.
- This class will have summer work, which must be completed by the first day of school.
- This course will incur a fee of \$110 for the National Exam in May.

Contemporary Issues

One Semester, 0.5 Credit; Prerequisites: None

This course is designed to introduce high school students to the world of current events and the importance of staying informed about the latest news and developments in politics, society, and culture. Through a combination of lectures, discussions, and assignments, students will learn how to evaluate news sources, identify biases, and assess the credibility of information through the lens of Biblical truth. Course outcomes will include mastering the necessary skills to compare and contrast, collaborating on appropriate solutions, and presenting findings. Through Contemporary Issues, students will discern the importance of being an engaged and informed citizen. **No final exam for this class.**

Cybersecurity

One Semester, 0.5 Credit; Prerequisites: None

Cybersecurity offers an overview of how the Internet works, an introduction to basic cryptography, a look at several cyberattack methods (including social engineering), and a special emphasis on digital citizenship. The course uses an on line curriculum where students can safely practice defending and attacking vulnerable systems. **No final exam for this class.**

Forensics

One Semester, 0.5 Credit; Prerequisites: None

Forensic Science is the application of life and physical sciences to the criminal and civil laws enforced by police agencies in a criminal justice system. In this course, students will learn the art of scientific investigation through fingerprinting, fiber analysis, ballistics,

arson, trace evidence analysis, poisons, drugs, blood spatters, and blood samples. The students will discover how these elements are used in the court system and will be taught the proper collection, preservation, and analysis of various samples. Throughout the course, students will engage in lectures, labs, case studies, and on line activities, not simply learning science concepts, but understanding how the application of science answers real-life questions. **No final exam for this class.**

Introduction to Engineering

One Semester; 0.5 Credit: *Prerequisites: None*

This course provides a cursory exploration of major engineering disciplines: energy and power, materials and structures, control systems, statistics, and kinematics. The goal is to bridge other courses students have taken or will take to concepts and practices used in real-world problem-solving. Special emphasis will be placed on problem-solving skills and the engineering design process as students complete hands-on activities and labs. Profiles of engineers, scientists, or mathematicians relevant to each unit serve as models of people who have solved problems despite constraints. Because we live in a broken world, problems engineers face are often caused by other humans. The course will encourage students to look at global issues through the Christian perspective, analyze causes, and think critically about proposed solutions. Students will learn ethical engineering and identify ventures that do or do not follow ethical standards. **No final exam for this class.**

Introduction to Robotics

One Semester; 0.5 Credit: *Prerequisites: Algebra I and Geometry*

This activity- and project-based course introduces students to the field of robotics. Students will develop a foundation in mechanical design, electrical engineering, and computer programming. They will use previously gained knowledge as a platform to explore robotics principles, sensors, motors, microcontrollers, and control systems as they build, program, and test increasingly complex robots. Collaboration is highly emphasized; problem-solving and critical thinking are likewise prioritized. Inspiration from biology and content knowledge from algebra, geometry, and physical science will be used during the design process. **No final exam for this class. NOTE: Some prior experience with programming or electronics is recommended, but not required. Strong interests in science, technology, and problem-solving are also recommended.**

Introduction to Statistics

One Semester; 0.5 Credit: *Prerequisites: Introduction to Data Analysis (IDA)*

This course's purpose is to give students the tools they need to analyze real-world data. Students will learn how best to collect data through surveys and simulations. From that sample data, students learn how to make predictions and conclusions about the population. Students will be exposed to topics discussed in a first-year college statistics course such as sampling distributions, confidence intervals, and significance tests. For their calculations, students will use formulas, tables, and a graphing calculator. Since this is an applications-based course, students must also express their results verbally within the problem's context. **No final exam for this class.**

Introduction to World Religions

One Semester; 0.5 Credit: *Prerequisites: None*

This course introduces world religions through readings, lectures, media (film and documentary), and discussions. Instruction covers a wide range of theological and religious topics, e.g., Secularism, Buddhism, Islam, and Hinduism, to help students understand theology and religions from around the globe. ***No final exam for this class.***

Money Management

One Semester; 0.5 Credit: *Prerequisites: None*

The stewardship of money is a valuable life skill that can have significant effects on a student's future. This class will emphasize 21st-century financial matters that include reviewing taxes and pay stubs, saving strategies, building good credit, budgeting strategies, and investing basics. This class speaks to the Biblical mandate for stewardship while offering practical, hands-on application. ***No final exam for this class.***

Philosophical Logic

One Semester; 0.5 Credit: *Prerequisites: None*

This course will begin with an investigation of philosophical topics such as justice, ethics, absolutism, and education. Studying excerpts from the teachings and writings of philosophers from Socrates to Swinburne, students will explore how these thinkers used logic to prove points. Students will choose a theological topic to research, then apply logical conventions to draw conclusions and shape their understanding of theological concepts and the Christian viewpoint. ***No final exam for this class.***



ACADEMIC SUPPORT

SPECIALIZED



Academic Development Center

The purpose of the Academic Development Center (ADC) at SouthLake Christian is to enable students to meet their potential and to facilitate the classroom teachers' meeting the needs of all learners in their classrooms. Our specialized academic support specialists are here to provide expert guidance to ensure your child's academic success. Acknowledging the demanding nature of SouthLake Christian Academy's curriculum, the institution provides numerous learning programs for students requiring extra help.

The ADC offers Math and Language Enrichment Groups, a tutorial study hall, speech and occupational therapy, mental health counseling, and resources from the National Institute of Learning Development and the Search & Teach program. These resources cater to students needing different levels of educational support and assistance.

The ADC collaborates with teachers who embrace strategies of differentiation to meet the needs of the learners in their classrooms, with parents who want to better understand the learning needs of their children, and with outside providers who partner in supporting students.

**Enrollment in programs offered through the Academic Development Center is based on a combination of criteria, such as evaluation results and teacher recommendations and are not covered by general tuition. Acceptance into these programs is at the discretion of the program director.*

Academic Support Resources

National Institute for Learning Development (NILD): The NILD is a nonprofit organization dedicated to training educators to work with children and adults with learning difficulties.

Search & Teach: Search & Teach© is an early intervention program developed to meet the educational needs of young learners (K-1) before they experience the frustration of learning failure.

Discovery for Reading Rx: The training is designed to model how to weave these components, which we call "strands of language" into a language braid that is comprehensive, constructive, and creative. Once the Rx for Discovery Reading: Standard training is completed NILD educational therapists and classroom educators will be able to work with students in a one-on-one situation or in small groups and effectively and efficiently develop decoding and encoding skills in their students.

Discovery for Math Rx: Builds and strengthens number sense, math fluency, math vocabulary, and problem-solving strategies within three 30-minute or two 45-minute weekly small group sessions. Students who need to master basic number sense skills as well as those who rely on procedural understanding without a conceptual understanding would benefit the most from this program.

Language Enrichment: The Language Enrichment Groups are offered for grades 1-3 and 4-6. Students participate in 45-minute small group sessions. Each session focuses on targeted reading strategies to increase reading accuracy, fluency, and comprehension. Students receive additional support correlating with classroom instruction in the areas of reading and written expression.

Math Enrichment: The Mathematics Enrichment Groups are offered for grades 1-3 and 4-6. Students participate in 45-minute small group sessions. Each session focuses on foundational math skills that are designed to increase problem solving ability and improve mathematical reasoning. Also, students receive tutoring with the concepts currently being taught in their individual classrooms.

Tutorial Study Hall: Tutorial Study Hall is designed for middle and upper school students who have a documented condition which affects their learning. These study halls provide directed assistance in study skills, time management, test-taking strategies, and organizational skills.

Mental Health: Here at SouthLake Christian Academy we want to carefully show consideration and compassion to our students who may be processing difficult thoughts, fears and emotions. Teachers and staff members have been provided related resource materials to help encourage all the more sensitivity, understanding, and discussion for students in need.

Occupational Therapy: Occupational Therapy For a child, two of their most important “occupations” are school and play. As the Occupational Therapist at SouthLake. My goal is to help children of all ages gain confidence and success in these occupations by addressing areas such as coordination, fine motor skills, visual perceptual skills, the ability to focus and attend, handwriting, self-regulation, and classroom skills.

With 25 years of experience as an Occupational Therapist and a parent of two children at SouthLake, it is my privilege to work with the students, teachers, and families to enhance students’ abilities by helping to get to the root of any struggles they are having that impact their occupations. In addition to my time at SouthLake, I work with children in private practice, have authored a book titled “Why Is My Kid Doing That? A sensory approach to understanding your child’s behavior”, am a guest on parenting podcasts, and write for local parent magazines. You can find me at www.whymykiddoingthat.com.

Speech Therapy: Speech therapy is offered on a contracted basis. Natasha Kearney, M.A., CCC-SLP, is our contracted Pediatric Speech-Language Pathologist. Speech therapy is offered on a contracted basis. Natasha Kearney, M.A., CCC-SLP, is our contracted Pediatric Speech-Language Pathologist.

Speech therapy is the assessment and treatment of various communication disorders including articulation, receptive language, expressive language, auditory processing, fluency, voice, and apraxia, etc. All children have the right to be effective communicators. As the contracted Speech-Language Pathologist at SouthLake since 2008, my goal is to provide customized, engaging, effective, and fun evaluations and therapy services to help students learn and thrive with their communication skills in and out of the classroom. Our services help students use their strengths to improve communication, increase academic skills in the classroom, more clearly express themselves with peers and adults, and build confidence in their overall communication skills.

Mrs. Kearney is the owner of Children's Therapy Connections and I have over 21 years of pediatric experience within a variety of clinical settings. I am nationally and state licensed and accredited. Also, I am the parent of two SouthLake students. You may find more information about my private practice at ctcspeech.com.

