



Cornerstone
CHRISTIAN SCHOOLS





WARRIOR INSTITUTE

COURSE CATALOG
2018-2019

CCS Warrior Institute Statement of Curriculum and Course Descriptions

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Cornerstone

CHRISTIAN SCHOOLS

Statement of Purpose

Our purpose is to develop and train the whole person spiritually, intellectually, physically and socially with unprecedented excellence in a Christ-centered culture.

Educational Philosophy

God

- To develop in the minds of students a respect and love for God.
- To lead students to know God personally and intimately.
- To guide students into a life of obedience to God and His will.

Truth

- To show students the unity in all God's truth.
- To aid students in learning how truth is known.
- To develop in students an ability to discern truth and error.

Man

- To teach a biblical view of man – his origin, nature, history, and destiny.
- To develop a “Spirit led” response to life.
- To cultivate powers of critical thinking.
- To discover individual aptitudes and talents.

Values

- To point out that values are rooted in an eternal God.
- To lead students to know good from evil and to pursue that which is good.
- To inspire an appreciation of worthwhile activities.

World

- To teach students concerning the world as God's handiwork.
- To show God's sovereignty in His creation.
- To awaken a realization that God has a purpose and plan for each life.

The Portrait of a Cornerstone Christian Schools Graduate

Students who graduate with a diploma from Cornerstone Christian Schools are expected to be spiritually alive, intellectually alert, physically disciplined, and socially adept.

Spiritually Alive

Students will grow in their relationship with Jesus Christ and their sensitivity to the Holy Spirit, expand their biblical knowledge, and develop the ability to approach life from a Christian worldview so that they can act ethically in any situation and evangelize their world of influence.

What a CCS graduate will know and be able to demonstrate:

- **Biblical knowledge** – The ability to interpret the Scriptures accurately in order to arrive at principles that serve as guidelines for living a Spirit-filled life
- **Sensitivity to the Holy Spirit** – A maturing process of growing in wisdom to do the right things in accordance to God’s will, and to expect the Spirit’s direct leading in response to one’s asking and receiving
- **Evangelistic capability** – The ability to share the gospel of Jesus Christ intentionally as led by the Holy Spirit
- **Ethical behavior** – The ability to recognize potential ethical dilemmas and make morally correct choices based on knowledge of professional codes of ethics, the ethical dimensions of professional practice, and the Word of God

Intellectually Alert

Students will expand their capacity to gather, retain, and apply knowledge and truth, using analytical problem-solving, critical thinking, and decision-making skills which they can utilize in their professional and personal lives. They will also develop global perspectives, including an appreciation for artistic expression in various historical and cultural settings.

What a CCS graduate will know and be able to demonstrate:

- **Critical thinking** – The ability to integrate knowledge in order to identify and weigh possible responses to different situations, and to process information—both analytically and critically—so as to determine the validity of different, competing claims
- **Information literacy** - The ability to access, evaluate, and use information, as well as to determine which sources to consult
- **Global and historical perspectives** – The capacity to adapt to an international understanding in an increasingly interdependent global community, and to understand how current situations relate to events of the past
- **Aesthetic appreciation** – The ability to understand and appreciate various forms of artistic expression
- **Intellectual creativity** – The ability to develop flexible thinking patterns and to process information analytically in a manner that results in the creation of new forms and structures
- **Career awareness** – The ability to search for and find God’s calling on their life. With that, they must see how developing their various skill sets builds professional/vocational competency in order for them to fulfill such a calling.

Physically Disciplined

Students will develop an active awareness of the importance of living a balanced, healthy, and physically disciplined lifestyle.

What a CCS graduate will know and be able to demonstrate:

- **Healthy lifestyle** – An intentional way of living which promotes the positive development of the mind, spirit, and body through the practice of physical exercise and proper nutritional habits required for healthy growth
- **Physically disciplined lifestyle** – A planned active lifestyle which includes a variety of physical activities designed to enhance physical fitness and decrease the risk of developing degenerative diseases by following the principles of conditioning

Socially Adept

Students will develop the skills to communicate effectively in both spoken and written language and to interact within diverse cultures, professions, and social settings. They will gain an understanding of their obligations as service-oriented leaders who can make a positive impact on society—locally, nationally, and internationally.

What a CCS graduate will know and be able to demonstrate:

- **Communication skills** – The ability to communicate effectively in both written and spoken forms at appropriate cultural, educational, economic, social, and maturity levels
- **Interpersonal skills** – The ability to create unique shared meaning with others by engaging in voluntary, ongoing, interdependent interactions, which involve meaningful interpretation of verbal and nonverbal behaviors
- **Appreciation of cultural and linguistic differences** – Awareness, sensitivity, and respect for the beliefs, social forms, language, and traits of different ethnic, religious, or social groups
- **Responsible citizenship** – Adopting a lifestyle of servant leadership which demonstrates God’s love to one’s world of influence through such actions as engaging in service to church and community, caring for the environment, and promoting family values, social justice, and economic empowerment
- **Leadership capacity** – The ability to effect change within various group settings by influencing and motivating others to accomplish a vision through communicating and carrying out key decisions



WARRIOR INSTITUTE

The Warrior Institute intentionally and systematically prepares CCS Warriors for success in college and career.

“...a handful of academies intentionally designed to reach a world of opportunities...”

“The greatest gifts you can give your children are the roots of responsibility and the wings of independence.”- Denis Waitley

Introduction

The Warrior Institute (WI) is a university-style organization of CCS’s 8th-12th grade curriculum. Designed to give students voice and choice in their academics, the WI intentionally and systematically prepares CCS Warriors for success in college and career. When CCS graduates matriculate in college, they select a major that is housed in a particular school or department. Similarly, CCS students choose a specialization that is housed in a WI Academy (see the list below for the Academies and specializations). With that said, CCS realizes that some students prefer either to sample a variety of electives within an Academy (such students have an Interdisciplinary specialization within an Academy) or sample courses from several academies, never committing to an Academy at all (these students are simply Interdisciplinary). In short, the WI enables each student the opportunity to create a personalized academic pathway for graduation that aligns with their strengths and interests.

The WI is designed to prepare each student for higher education or with the skills to go immediately into a desired career. Further, the WI represents not only the chance for unique academic programs, but also a series of activities and experiences formulated to allow students to apply their skills as well as having the opportunity to become more self-aware of their unique qualities.

Academy of Business

- Entrepreneurship & Management
- Communications & Marketing
- Interdisciplinary

Academy of Fine Arts

- Performing Arts-Music
- Performing Arts-Theatre
- Visual Arts
- Interdisciplinary

Academy of Humanities

- Law & Political Science
- Ministry
- Interdisciplinary

Academy of Science & Engineering

- Engineering
- Computer Science
- Interdisciplinary

Academy of Health Sciences

- Pre-Med
- Behavioral Science
- Exercise Science
- Interdisciplinary

Naviance

Naviance is the online program that serves as the WI's primary digital foundation. Starting in middle school, students use Naviance for college and career planning throughout their years at CCS. In high school, they will use it for college/university research and applications. This tool is the most potent, when students use it in tandem with parents. See the College and Career Office for credentials to access Naviance.

Inventories/Assessments

God has created CCS Warriors with unique strengths and interests. Sometimes students are aware of their strengths, giftings, and abilities, but many times they are not. The WI prescribes many professionally designed inventories/assessments to help students and parents understand the Warrior's spiritual gifting, learning style, personality type, and professional disposition (i.e., careers they should pursue). These inventories/assessments are systematically scheduled throughout each student's middle and high school experiences.

	Grade	6	7	8	9	10	11	12
<i>Spiritual Gifts Survey</i>		X			X			X
<i>Love Language Survey</i>		X		X	X			
<i>Learning Style Inventory (Naviance)</i>		X			X			
<i>Multiple Intelligence Advantage (Naviance)</i>			X			X		
<i>Do What You Are (Naviance)</i>		X	X		X		X	X
<i>Career Cluster Finder (Naviance)</i>			X		X	X	X	
<i>Career Interests Profiler (Naviance)</i>				X		X	X	
<i>Career Search (Naviance)</i>			X	X		X	X	X
<i>Career Key - Personality Type (Naviance)</i>				X	X		X	X
<i>Strengths Explorer (Naviance)</i>						X		
<i>Roadtrip Nation Interview Archive (Naviance)</i>		X	X	X	X	X	X	X
<i>Personality Inventories</i>						X	X	X
<i>ASVAB</i>								X

Symposia

Sponsored by the WI Academies, these events expose students to Christian professionals within fields relevant to each Academy. Scientists, bankers, business people, computer programmers, and others are the symposiasts. The WI makes it a point to help students understand how to achieve professional status in a desired career, on one hand, and maintain their Christianity, on the other. Leaders from the local, state, national, and international domains, symposiasts speak directly to these objectives.

Academic Requirements

	Required Credits
<i>Graduation credit requirements</i>	26
<i>Cornerstone Core</i>	22
<i>Academy specific electives</i>	4
Curriculum/Subject Area	Required Credits
<i>Biblical Studies</i>	4
<i>Language Arts</i>	4
<i>Mathematics</i>	3 ^a
<i>Science</i>	3 ^a
<i>Social Science</i>	3 ^a
<i>Fine Arts</i>	1
<i>Physical Education</i>	1 ^b
<i>World Languages (LOTE)</i>	2 ^c
<i>Health</i>	.5
<i>Warrior Institute Leadership Practicum</i>	.5
<i>Warrior Institute Academy specific electives</i>	4

^a Because the Warrior Institute is committed to student voice and choice, its requirement for Mathematics, Science, and Social Science is 3 credits each (some schools and diploma programs require 4 credits each). The WI's smaller requirement allows a student to take more courses in other disciplines, if, for example, the student would prefer to take an additional Fine Arts course over a fourth Mathematics course. However, students contemplating an elite institution for higher education (e.g., the Ivy League, Public Ivies) should plan to take 4 credits each in Mathematics, Science, and Social Science. Further, students planning on pursuing Mathematics and Sciences majors in college should take 4 credits in Mathematics and Science.

^b Most students satisfy their Physical Education requirement through enrolling in 1 credit of Strength & Conditioning (i.e., Athletics). However, there are other options for earning this credit, for example, Contract Physical Education or Marching Band. Students who desire to explore these other options should consult the College and Career Office.

^c These credits must be in the same foreign language. Students who have advanced prior knowledge of a foreign language taught by CCS should inquire with the College and Career Office about the Credit By Exam (CBE), by which a student may earn Pass/Fail credit for the World Languages (Language Other Than English) requirement.

Leadership Practicum

This .5 credit academic endeavor for seniors serves as the capstone of the student's academic experience at CCS. The objective of the practicum is to provide each student with a practical real-life understanding of a specific area of academic pursuit while simultaneously facilitating a distinctive examination of how the Lord is actively working in and through study. Students should select a WI Leadership Practicum based upon one of the following models:

- Internship
- Research Project
- Thesis Defense Paper
- Elite Performances and Ensembles
- Individually Designed

This field experience enables the CCS student to observe and document how working professionals perform their job responsibilities. Depending upon the Academy and the specific practicum, students may be provided the opportunity in a limited extent to perform work tasks under the supervision of on-site professionals and/or supervising instructors.

Every WI Leadership Practicum will culminate with a formal presentation including written and visual components. The top performers will present before the student body and a panel of industry leaders and school officials at the "Scholar's Chapel". Depending on the student's schedule, the practicum might take place outside school hours or in the space of a .5 credit Project Based Research semester.

Course Sequence Guides

These course sequence guides are designed to assist Warriors in their selection of courses. Since these are meant to be *merely guides* (not an absolute prescription on what students must do each year), students should consult parents and the College and Career Office for assistance in course planning and scheduling. Student schedules are based on several variables: course availability, student preparation (i.e., are prerequisites satisfied), and student priorities. If Warriors find they have competing priorities (e.g., a desire to participate in fine arts and athletics each year), then they should consider enrolling in summer school to provide space in their schedule for all required courses and electives.

Health Sciences: Pre-Med

	8th	9th	10th	11th	12th
<i>Biblical Studies</i>		Bible Survey	Apologetics	Comparative Religions	Leader for Life AND Practicum
<i>Languages Arts</i>		English 9	English 10	English 11	English 12
<i>Math</i>	Algebra I	Geometry	Algebra II	Pre-calculus	
<i>Science</i>	Biology	Chemistry	AP Physics	AP Biology	AP Chemistry AND Anatomy & Physiology
<i>Social Science</i>		World History (or Human Geography)	Social Science elective	US History	Government/ Economics
<i>World Languages (LOTE)</i>	Spanish I	Spanish II			
<i>Fine Arts</i>			Fine Arts elective		
<i>Physical Education</i>		Athletics	Athletics	Athletics	Athletics
<i>Health</i>				Health	
<i>Elective</i>				.5 credit elective	.5 credit elective

Health Sciences: Behavioral Health

	8th	9th	10th	11th	12th
<i>Biblical Studies</i>		Bible Survey	Apologetics	Comparative Religions	Leader for Life AND Practicum
<i>Languages Arts</i>		English 9	English 10	English 11	English 12
<i>Math</i>		Algebra I	Geometry	Algebra II	AP Statistics
<i>Science</i>		Biology	Chemistry	AP Chemistry or AP Biology	Pharmacology AND Anatomy & Physiology
<i>Social Science</i>		World History (or Human Geography)	AP Psychology	US History	Government/ Economics
<i>World Languages (LOTE)</i>	Spanish I	Spanish II			
<i>Fine Arts</i>			Fine Arts elective		
<i>Physical Education</i>		Athletics	Athletics	Athletics	Athletics
<i>Health</i>				Health	
<i>Electives</i>				.5 credit elective	

Health Sciences: Exercise Science

	8th	9th	10th	11th	12th
<i>Biblical Studies</i>		Bible Survey	Apologetics	Comparative Religions	Leader for Life AND Practicum
<i>Languages Arts</i>		English 9	English 10	English 11	English 12
<i>Math</i>		Algebra I	Geometry	Algebra II	
<i>Science</i>		Biology	Chemistry	Pharmacology	Anatomy & Physiology
<i>Social Science</i>		World History (or Human Geography)		US History	Government/ Economics
<i>World Languages (LOTE)</i>	Spanish I	Spanish II			
<i>Fine Arts</i>			Fine Arts elective		
<i>Physical Education</i>		Athletics	Athletics	Athletics	Athletics
<i>Health</i>					Health
<i>Electives</i>			Medical Terminology	Elective	Sports Medicine (or equivalent)

Science & Engineering: Engineering

	8th	9th	10th	11th	12th
<i>Biblical Studies</i>		Bible Survey	Apologetics	Comparative Religions	Leader for Life AND Practicum
<i>Languages Arts</i>		English 9	English 10	English 11	English 12
<i>Math</i>		Algebra I	Geometry	Algebra II	Pre-calculus
<i>Science</i>		Biology	Chemistry AND PLTW	AP Physics AND PLTW	PLTW
<i>Social Science</i>		World History (or Human Geography)		US History	Government/ Economics
<i>World Languages (LOTE)</i>	Spanish I	Spanish II			
<i>Fine Arts</i>			Fine Arts elective		
<i>Physical Education</i>		Athletics	Athletics	Athletics	Athletics
<i>Health</i>					Health
<i>Electives</i>					

Science & Engineering: Computer Science

	8th	9th	10th	11th	12th
<i>Biblical Studies</i>		Bible Survey	Apologetics	Comparative Religions	Leader for Life AND Practicum
<i>Languages Arts</i>		English 9	English 10	English 11	English 12
<i>Math</i>		Algebra I	Geometry	Algebra II	Pre-calculus
<i>Science</i>		Biology	Chemistry	AP Physics	PLTW
<i>Social Science</i>		World History (or Human Geography)		US History	Government/ Economics
<i>World Languages (LOTE)</i>	Spanish I	Spanish II			
<i>Fine Arts</i>			Fine Arts elective		
<i>Physical Education</i>		Athletics	Athletics	Athletics	Athletics
<i>Health</i>					Health
<i>Electives</i>			Computer Programming	Elective	

Humanities: Law & Political Science

	8th	9th	10th	11th	12th
<i>Biblical Studies</i>		Bible Survey	Apologetics	Comparative Religions	Leader for Life AND Practicum
<i>Languages Arts</i>		English 9	English 10	AP English 11: Language/Comp	AP English 12: Literature/Comp
<i>Math</i>		Algebra I	Geometry	Algebra II	
<i>Science</i>		Biology	Chemistry	Science elective	
<i>Social Science</i>		AP World History (or AP Human Geography)	AP Psychology	US History	AP Government/ Economics
<i>World Languages (LOTE)</i>	Spanish I	Spanish II			
<i>Fine Arts</i>			Fine Arts elective		
<i>Physical Education</i>		Athletics	Athletics	Athletics	Athletics
<i>Health</i>					Health
<i>Electives</i>				Rhetoric and Writing for the 21st Century	Elective AND Business Law

Humanities: Ministry

	8th	9th	10th	11th	12th
<i>Biblical Studies</i>		Bible Survey	Apologetics	Comparative Religions	Leader for Life AND Practicum
<i>Languages Arts</i>		English 9	English 10	AP English 11: Language/Comp	English 12
<i>Math</i>		Algebra I	Geometry	Algebra II	
<i>Science</i>		Biology	Chemistry	Science elective	
<i>Social Science</i>		World History (or Human Geography)	AP Psychology	US History	Government/ Economics
<i>World Languages (LOTE)</i>	Spanish I	Spanish II			
<i>Fine Arts</i>			Fine Arts elective		
<i>Physical Education</i>		Athletics	Athletics	Athletics	Athletics
<i>Health</i>					Health
<i>Electives</i>				Rhetoric and Writing for the 21st Century	Elective AND Bible elective

Fine Arts: Performing Arts Music

	8th	9th	10th	11th	12th
<i>Biblical Studies</i>		Bible Survey	Apologetics	Worship Arts	Leader for Life AND Practicum
<i>Languages Arts</i>		English 9	English 10	English 11	English 12
<i>Math</i>		Algebra I	Geometry	Algebra II	
<i>Science</i>		Biology	Chemistry	Science elective	
<i>Social Science</i>		World History (or Human Geography)		US History	Government/ Economics
<i>World Languages (LOTE)</i>	Spanish I	Spanish II			
<i>Fine Arts</i>		Music Ensemble	Music Ensemble	AP Music Theory	Music Ensemble AND DC Music Appreciation
<i>Physical Education</i>			Athletics	Athletics	Athletics
<i>Health</i>			Health		
<i>Electives</i>			.5 credit elective		.5 credit elective

Fine Arts: Visual Arts

	8th	9th	10th	11th	12th
<i>Biblical Studies</i>		Bible Survey	Apologetics	Worship Arts	Leader for Life AND Practicum
<i>Languages Arts</i>		English 9	English 10	English 11	English 12
<i>Math</i>		Algebra I	Geometry	Algebra II	
<i>Science</i>		Biology	Chemistry	Science elective	
<i>Social Science</i>		World History (or Human Geography)		US History	Government/ Economics
<i>World Languages (LOTE)</i>	Spanish I	Spanish II			
<i>Fine Arts</i>		Studio Art	Studio Art	AP Studio Art	Studio Art AND AP Studio Art
<i>Physical Education</i>			Athletics	Athletics	Athletics
<i>Health</i>			Health		
<i>Electives</i>			.5 credit elective		.5 credit elective

Fine Arts: Performing Arts Theatre

	8th	9th	10th	11th	12th
<i>Biblical Studies</i>		Bible Survey	Apologetics	Worship Arts	Leader for Life AND Practicum
<i>Languages Arts</i>		English 9	English 10	English 11	AP English 12: Literature/Comp
<i>Math</i>		Algebra I	Geometry	Algebra II	
<i>Science</i>		Biology	Chemistry	Science elective	
<i>Social Science</i>		World History (or Human Geography)		US History	Government/ Economics
<i>World Languages (LOTE)</i>	Spanish I	Spanish II			
<i>Fine Arts</i>		Theatre	Theatre	Theatre	
<i>Physical Education</i>		Athletics	Athletics	Athletics	Athletics
<i>Health</i>					Health
<i>Electives</i>					Elective AND Rhetoric and Writing for the 21st Century

Business: Entrepreneurship & Management

	8th	9th	10th	11th	12th
<i>Biblical Studies</i>		Bible Survey	Apologetics	Comparative Religions	Leader for Life AND Practicum
<i>Languages Arts</i>		English 9	English 10	English 11	English 12
<i>Math</i>		Algebra I	Geometry	Algebra II	Financial Mathematics
<i>Science</i>		Biology	Chemistry	Science elective	
<i>Social Science</i>		World History (or Human Geography)		US History	Government/ Economics
<i>World Languages (LOTE)</i>	Spanish I	Spanish II			
<i>Fine Arts</i>				Fine Arts elective	
<i>Physical Education</i>		Athletics	Athletics	Athletics	Athletics
<i>Health</i>					Health
<i>Electives</i>			Rhetoric and Writing for the 21st Century AND Business Law		Entrepreneurship

Business: Communications & Marketing

	8th	9th	10th	11th	12th
<i>Biblical Studies</i>		Bible Survey	Apologetics	Comparative Religions	Leader for Life AND Practicum
<i>Languages Arts</i>		English 9	English 10	English 11	English 12
<i>Math</i>		Algebra I	Geometry	Algebra II	AP Statistics AND Financial Mathematics
<i>Science</i>		Biology	Chemistry	Science elective	
<i>Social Science</i>		World History (or Human Geography)		US History	Government/ Economics
<i>World Languages (LOTE)</i>	Spanish I	Spanish II			
<i>Fine Arts</i>			Fine Arts elective		
<i>Physical Education</i>		Athletics	Athletics	Athletics	Athletics
<i>Health</i>				Health	
<i>Electives</i>			Rhetoric and Writing for the 21st Century	.5 credit elective	Entrepreneurship

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Biblical Studies

Vision Statement

“But seek first his kingdom and his righteousness, and all these things will be given to you as well.” (Matthew 6:33)

The purpose of the Biblical Studies program at CCS is to provide an academic environment for students to know God through Jesus Christ and to grow in their faith. God is a personal God who reveals to humanity his nature, purpose in history, and love for all creation. At the center of our faith is the crucified and risen Jesus Christ and our belief that “...the Son of God became a man so that humanity could become children of God” (*Mere Christianity*, C.S. Lewis). The Biblical Studies curriculum further provides the framework for a study of Scripture, thus providing the opportunity to apply biblical principles and examples to the choices and issues students face each day. The focus of the intentional classroom instruction consists of a) knowledge of the Bible, b) application of Scripture, and c) discernment to think and reason from a biblical worldview. The ultimate goal is to help students formulate a Christ-centered biblical worldview.

What a CCS student will know and be able to do in Bible:

- Develop and demonstrate a respect and love for God
- Develop a personal and intimate knowledge of God
- Demonstrate obedience to God and his will
- View the world as God’s handiwork
- Understand God’s sovereignty in his creation
- Understand that God has a purpose and plan for each life
- Develop a biblical worldview of man, his origin, nature, history, and destiny
- Understand the unity of all God’s truth
- Demonstrate an understanding of how truth is known
- Demonstrate the ability to discern truth and error
- Understand that values are rooted in an eternal God
- Identify what is good and what is evil and to pursue that which is good
- Demonstrate an appreciation of the arts
- Exemplify the four Warrior student outcomes: spiritually alive, intellectually alert, physically disciplined, socially adept

Courses

Bible Survey (Survey of Old and New Testaments)

The Bible Survey course provides students with a clear understanding of the structure, authorship, chronological setting, and content of the Old and New Testaments. Students will develop a foundational understanding of the context in which the Old Testament emerged and will examine the life, ministry, teachings, death, and resurrection of Jesus Christ. Students will learn how to apply critical thinking skills to the reading of biblical texts, how to examine and analyze Scripture and how this study relates to our lives and points to Jesus Christ. The Bible Survey course is required for graduation; it is designated as a freshman level course.

Apologetics: Faith

The Apologetics: Faith course is designed to deepen and broaden the student's understanding of the core presuppositions of the Christian worldview and to enable the student to evaluate those presuppositions in contrast with other competing worldviews. The goal is to challenge the student's understanding of biblical truth and its relevance to all of life, to help him or her to declare biblical truth with integrity and clarity, and to be able to defend biblical truth with intellectual vigor and courage. This course is required for graduation; it is designated as a sophomore level course.

Comparative Religions

The Comparative Religions course deepens and broadens the student's understanding of the core presuppositions of the Christian worldview and enables the student to evaluate those presuppositions in contrast with other competing world religions. The course will equip the Christian to analyze ideas, and to evaluate dominant world religions and their perspectives from a biblical standpoint. It will provide better knowledge of Scripture and how to apply it to the issues of today. This should lead to a better understanding of the world and help develop a heart for evangelism and world missions.

Biblical Transformation of Culture

The Biblical Transformation of Culture course incorporates a variety of units of study including philosophy, literature, religion, art, music, history, and language to enrich the understand world cultures. Topics include the Christian modern and historical perspectives; Scriptural teaching about art, literature, psychology, sociology, and anthropology; as well as Christian aesthetics and the Christian worldview.

Leader for Life (Warrior Institute Academy Specific)

The Leader for Life course is designed to help students discover and develop their God-given talents as leaders, challenging them to use their abilities to lead while making a positive difference in the world. Through the study of various biblical and historical godly men and women, students are expected to develop a biblical understanding of leadership skills within their academy of choice.

Leadership Practicum (Warrior Institute Academy Specific)

The Leadership Practicum is a .5 credit academic endeavor for seniors that serves as the capstone of the student's academic experience at CCS. The objective of the practicum is to provide each student with a practical real-life understanding of a specific area of academic pursuit while simultaneously facilitating a distinctive examination of how the Lord is actively working in and through study. Students should select a WI Leadership Practicum based upon one of the following models:

- Internship
- Research Project
- Thesis Defense Paper
- Elite Performances and Ensembles
- Individually Designed

This field experience enables the CCS student to observe and document how working professionals perform their job responsibilities. Depending upon the Academy and the specific practicum, students may be provided the opportunity in a limited extent to perform work tasks under the supervision of on-site professionals and/or supervising instructors. Every WI Leadership Practicum will culminate with a formal presentation including written and visual components. The top performers will present before the student body and a

panel of industry leaders and school officials at the “Scholar’s Chapel”. Depending on the student’s schedule, the practicum might take place outside school hours or in the space of a .5 credit Project Based Research semester.

Christian Spirituality and The Arts (Academy of Fine Arts)

The Christian Spirituality and The Arts course is designed to help students discover and develop their God-given talents as artistic leaders, challenging them to use their artistic abilities to lead while making a positive difference in the world. Through the study of various biblical and historical godly men and women, students are expected to develop a biblical understanding of Christianity and the arts within the Fine Arts Academy.

Worship Leadership (Academy of Fine Arts; audition required)

The Worship Leadership course is designed to help students develop their God-given talents as worship leaders, challenging them to use their abilities to lead while making a positive difference in the world. Through the study of various biblical and historical godly men and women, students will be expected to develop a biblical understanding of leading worship.

Project-Based Research**12701500**

The Project-Based Research course provides the opportunity for a student to explore a topic of interest under the close supervision of a faculty member. The course may include directed readings, applied work, assisting a faculty member with a research project, carrying out an independent research project, or other activities deemed appropriate.

Language Arts

Vision Statement

“A nation becomes what its young people read in their youth. Its ideals are fashioned then, its goals strongly determined.” -James A. Michener

The CCS Language Arts education exposes students to a variety of literary genres: Christian fiction, apologetic writing, secular novels, historically-based literature, historical documentation, prose, poetry, personal narratives, and a wide array of children’s literature. The systematic targeting of organizational skills, analytical thinking, and editing skills woven throughout the Language Arts curriculum enhances the success of the students. Discernment for God’s truth is taught formally and informally within the Language Arts discipline. Students evaluate literature and accompanying forms of written communication on the basis of the truth and gain a deeper understanding and application of biblical truths.

CCS’s objective is to prepare Christian leaders who demonstrate curiosity, appreciation, and a desire for learning. Students are academically challenged through specific academic standards and benchmarks and the incorporation of a variety academic activities utilizing: a) research, b) critical thinking/discernment, c) application of knowledge, d) evaluation of performance, and e) solution finding/problem solving. Students actively engage in skills required in written and oral communication applicable for academic, business, and creative environments. Students demonstrate clarity of thought, organization, unique voice, and accurate and articulate utilization of the English language. Students become “fearless writers”. The CCS student is proficient within the Language Arts arena and applies the skills and strategies within other curriculum areas.

Language as thought and behavior, as the spoken and written word, as a tool of analysis and persuasion, as a medium of imagination and memory, as a record of history and culture, and as the common coin of human communication -- each and all of these uses and manifestations of discourse are the continual subjects of the Language Arts curriculum.

What a CCS student will know and be able to do in Language Arts:

Reading

- Demonstrate competence in the general skills and strategies of the reading process
- Demonstrate familiarity with a variety of literary works of enduring quality including the truth of Scripture and its influence on literary forms and themes
- Demonstrate competence in applying reading strategies to learn from specific types of informational texts and literature

Writing

- Demonstrate competence in the general skills and strategies of the writing process:
 - Overall development: how well the writer communicates with the reader, shows awareness of the audience, task, and purpose for writing, and writes in the appropriate mode of discourse
 - Organization: the writer’s ability to develop a logical plan of organization, maintain coherence throughout the paper, and create paragraphs
 - Support: the use of appropriate reasons, details, and examples to enhance the effect and/or support the generalizations and conclusions of the piece
 - Sentence structure: completeness, correct usage, and variety of sophistication of sentences

- Word choice: specific vocabulary, freshness and vividness of language
- Mechanics: the correct and effective use of spelling, punctuation and capitalization
- Write with a command of the grammatical, mechanical, and usage conventions of Standard Edited American English
- Demonstrate competence in the stylistic and rhetorical aspects of writing
- Demonstrate competence with a variety of types of essays including a) narrative, b) informative/descriptive, c) expository, d) persuasive, and d) critical thinking
- Compile and present a portfolio of written work
- Gather and use information effectively and ethically for research purposes

Speaking/Listening/Discussion

- Demonstrate competence in speaking and listening as tools for learning
- Demonstrate acquisition and application of discernment during oral communication
- Demonstrate competence in the utilization and application of skills required in successful debate

Courses

English 9

032220100

The English 9 course provides a dynamic framework for the study of foundational English skills. In particular, students engage in a variety of literacies to be successful students and citizens of the 21st century. This means developing, through guided instruction, a growing critical stance to the variety of texts and information students encounter as well as written and oral communication strategies that address specific audiences and purposes. Units of study are framed around essential questions that encourage students to examine their relationship to the world around them. Students read a variety of fiction, nonfiction, and poetry, representing a diverse collection of voices and experiences, in order to gain a better understanding of what it means to live in a global society. Students write expository, narrative, analytical, and persuasive paragraphs and essays with an emphasis on the recursive nature of the writing process (from idea and thesis development through revision). The reading and writing instruction in this course is designed to develop further the following critical skills: inference, logic, clear expression, organization, awareness of word choice, development of voice, detail development, topic formation and supporting evidence.

English 9 Honors

03220100

The English 9 Honors course is a more rigorous freshman level course. The pace of the instruction is accelerated in order to add depth and variety to the study of major literary works and increase the opportunities for writing.

English 10

03220200

The English 10 course intensifies and advances the study and practice of the skills from English 9. Students learn to read and think critically, to ask appropriate questions of texts across multiple media, and to write with clarity for a variety of audiences. Works are chosen both for their literary merit and for their thematic focus on shaping and challenging social norms. Major works of literature studied in the course include classic novels, as well as an engaging, challenging array of short stories, plays, poems, nonfiction, and stories told through visual media. Class discussion nurtures skills in higher-order thinking with an emphasis on articulate self-expression. Premised on a variety of models, students practice

writing expository, analytical, narrative, and persuasive essays. A comparative research project that targets colleges and universities is also a component of this course.

English 10 Honors**032220200**

The English 10 Honors course is a more rigorous sophomore level course. The pace of the instruction is accelerated in order to add depth and variety to the study of major literary works and increase the opportunities for writing. A comparative research project that targets colleges and universities is also a component of this course.

English 11**03220300**

The English 11 course emphasizes critical reading skills through guided study and discussion of American Literature. Students discuss and analyze themes such as the meaning and validity of the American dream, the relationship between the individual and his or her community, and the tension between idealism and materialism. Students develop analytical, reflective, descriptive, and persuasive writing skills and express their voices for various purposes and audiences. Multi-modal projects encourage independent thinking and innovative self-expression. Through independent and group practice, students continue to build a college-ready lexicon.

English 11 Honors**03220300**

The English 11 Honors course is intended to challenge the dedicated and advanced English student. The primary focus is the development of a keen personal but critical response to literature through reading, writing, and discussion. Participation in class discussion is expected of each student. The length and number of readings and the amount of writing are demanding. The focus of each semester is based upon essential questions which can be answered through the consideration of a variety of texts, both canonical and contemporary.

English 12**03220400**

The English 12 course consists of a survey of Western literature. It is designed to prepare students for the writing, speaking, and analysis requirements of collegiate English coursework. While focusing on essential questions each semester, students read nonfiction and fiction and write persuasive, narrative, expository, and analytical essays in addition to journal assignments. Students apply their writing, speaking, argumentation, and research skills to a broad range of topics and situations, emphasizing ethos, pathos, and logos.

English 12 Honors**03220400**

The English 12 Honors course consists of a survey of Western literature and is intended for the dedicated and advanced English student who enjoys reading works of fiction. While focusing on essential questions each semester, students are expected to read a multitude of both nonfiction and fiction works independently. Students are also expected to write persuasive, narrative, expository, and analytical essays in addition to journal assignments. Students apply their writing, speaking, argumentation, and research skills to a broad range of topics and situations, emphasizing ethos, pathos, and logos.

Rhetoric and Writing for the 21st Century

The Rhetoric and Writing for the 21st Century course is designed to help students develop excellent communication skills. Communication is the most fundamental and commonplace human activity. Success in any field of endeavor depends on excellent communication skills. Through speeches, projects, and guided practice, students move from the basic principles of public speaking to an examination of the art of oral expression. The course challenges students to apply increasingly powerful reasoning and research skills while developing a variety of speaking skills. CCS expects its graduates to take positions of

leadership in the various communities to which they belong. The oral communication skills learned in Reasoning, Research, and Rhetoric are an important step toward that goal.

Advanced Placement (™) English Language and Composition **A32220100**

The Advanced Placement (™) English Language and Composition course is open to eligible juniors and seniors. It serves as an English elective for juniors and as either an elective or a final required English credit for seniors. The course teaches students to be skilled readers of nonfiction in a variety of genres and for a variety of rhetorical situations. (Students become fluent in the language of argumentation and practice skills related to the recognition and practice of persuasion.) Students will also learn to write for a wide range of purposes and audiences, composing persuasive, expository, and analytical essays. Students will learn to write effectively and confidently, using their own knowledge and experiences, and will sit for the AP English Language exam.

Advanced Placement (™) English Literature and Composition **A3220200**

The Advanced Placement (™) English Literature and Composition course aligns to an introductory university-level literary analysis course. This intensive, full-year class is designed to instill an intellectual understanding and appreciation of some of the most celebrated authors from the British Isles, such as Geoffrey Chaucer, William Shakespeare, John Milton, William Wordsworth, Mary Wollstonecraft, Virginia Woolf, James Joyce, and Samuel Beckett. Emphasis is placed upon critically analyzing the influences their distinctive styles and themes have had on world literature, with particularly close attention paid to examining their texts in a socio-political and philosophical context. Historical periods and movements – from the Middle Ages and the Renaissance through the Restoration, Romanticism, Victorianism, and Modernism – will be explored via representative works and scholarly essays. Writing is an integral portion of this course to prepare students for the AP exam and the challenges of daily life, the university, and beyond. Written skills will be enhanced and fine-tuned through numerous writing assignments of varying length (formal analytical/argumentative, expository analytical, informal exploratory, research-based, etc.), most of which will focus on the critical analysis of literature. Learning to speak confidently and effectively in public will also be stressed through discussions and various public-speaking exercises. This course concludes with an AP English Literature exam.

Yearbook **03230110**

The Yearbook course is designed for the purpose of producing the school's yearbook. Students will be provided the opportunity to develop the skills of desktop publishing, photography, journalistic writing, collaboration, and business management. Students will also become adept in the areas of editing, proofreading, layout design, and time management.

Mathematics

Vision Statement

Mathematics is the curriculum strand that exemplifies God’s precise, orderly, and sometimes mysterious creation. As a result of a mathematics education, students will develop literacy in mathematics. Further, in seeking solutions, students incorporate abstract thinking skills. Students experience abundant opportunities to reason mathematically, recognize the connection between mathematics and other disciplines, and express an understanding of concepts using a variety of methods and media.

What a CCS student will know and be able to do in Mathematics:

- Understand and apply the concepts of:
 - Number and operation sense
 - Patterns, functions, symbols, and models
 - Geometry and measurement
 - Data analysis, statistics, and probability
- Be mathematical problem solvers
- Communicate mathematically
- Identify connections within mathematics and to other subject areas
- Apply mathematical representations to foster understanding of mathematics
- Identify God’s orderliness and mystery reflected in mathematics

Courses

Algebra I

03100500

The Algebra I course is designed to provide the foundation for more advanced mathematics courses and to develop problem-solving skills. Topics include variables, structure and properties of the real number system, first-degree equations and inequalities, relations, functions, graphs, systems of linear equations and inequalities, polynomials, integer exponents rational expressions, irrational numbers, radical expressions, quadratic equations, and yearlong work on problem solving. A graphing calculator is utilized throughout the course. *This course is offered at the Middle School level for students who have demonstrated a history of success in mathematics as evidenced through STAR assessments.

Algebra I Honors

03100500

The Algebra I Honors course is an advanced mathematics course which is designed to address the needs of students who desire to move through the foundational elements in a more rapid manner to focus on the deeper levels of knowledge and application of skills. A graphing calculator is utilized throughout the course. *This advanced course is offered at the Middle School level for students demonstrating a history of superior mathematic success and interest as evidenced through STAR assessments.

Geometry

03100700

The Geometry course is an integrated course in plane and solid geometry that includes the following topics: geometry in the coordinate plane, line and angle properties, properties of polygons, circles, Pythagorean Theorem, area, volume, similarity, right triangle trigonometry, and geometric proof. Students will investigate concepts and build conceptual

understanding while continuing to develop, reinforce, and master computational skills. This course also has an integrated unit that targets the fundamentals of statistics. A graphing calculator is utilized throughout the course. *This advanced course is offered at the Middle School level for students demonstrating a history of superior mathematic success and interest as evidenced through STAR assessments.

Geometry Honors

03100700

The Geometry Honors course is an advanced mathematics course that offers a curriculum that includes the following topics: an introduction to geometry, coordinate geometry, concepts of parallelism and perpendicularity, congruent triangles, applications of congruent triangles, quadrilaterals, similarity, right triangles and trigonometry, circles, polygons, surface area, volume, and a review of algebra topics in preparation for Algebra 2. This course also has an integrated unit that targets the fundamentals of statistics. The development of problem solving strategies and good reasoning habits are emphasized in this course. Students are required to complete a mathematical research project/paper. A graphing calculator is utilized throughout the course. *This advanced course is offered at the Middle School level for students demonstrating a history of superior mathematic success and interest as evidenced through STAR assessments.

Algebra II

03100600

The Algebra II course emphasizes the further development of Algebra I skills, the treatment of geometric concepts from an algebraic point of view, more advanced problem solving techniques, and the study of mathematics as a unified structure. Topics covered include: conic sections, rational expressions, equations and inequalities, systems of linear equations, word problems, functions, factoring, quadratic equations with rational and irrational roots, irrational numbers, imaginary and complex numbers, graphs, variations, exponents and logarithms, coordinate geometry, quadratic functions, equations of the second degree and their graphs, polynomial functions, exponential functions, logarithmic function and matrices. A graphing calculator is utilized throughout the course.

Algebra II Honors

03100600

The Algebra II Honors course covers all topics listed in the regular Algebra II course description (above) and will investigate many of the topics in greater depth. This honors course focuses more on the role of functions in preparation for the PreCalculus Honors course. This advanced course demands a deeper level of problem solving and critical thinking. A graphing calculator is utilized throughout the course.

PreCalculus

03101100

God has created a phenomenal universe, and imparted on us the ability to develop the numerical language of mathematics by which we use to understand his creation. After students have mastered algebra, they begin the transition phase into the next tier of mathematical language. Precalculus, a synthesis of advanced mathematical concepts in preparation for Calculus, is broken into ten units that focus on the topics of functions, graphs, trigonometry, advanced geometry; transcendentals, linear systems, discrete mathematics, and an introduction to Calculus. This course is designed to prepare the successful student for Calculus whether at CCS or in college.

PreCalculus Honors

03101100

The PreCalculus Honors course is specifically designed for students who plan to continue their study of mathematics by taking Calculus or the Advanced Placement Calculus course. The concepts of algebraic, trigonometric, exponential, and logarithmic functions are stressed. Conic sections, sequences and series, introductory probability and statistics,

polar coordinates and graphing, and elementary concepts of calculus are also included. A graphing calculator is utilized throughout the course.

Financial Mathematics**1301800**

The Financial Mathematics course provides students with an understanding of personal money management. Students are expected to apply critical thinking skills to analyze personal financial decisions based upon the current and projected economic factors. Math and calculations related to real world experiences include some of the following: net pay, income taxes, calculate mortgage payment, property taxes, mortgage insurance, closing cost, interest cost, etc. A graphing calculator is utilized throughout the course.

Advanced Placement (™) Calculus AB**A3100101**

The Advanced Placement (™) Calculus AB course consists of a full high school academic year of work and is comparable to calculus courses in colleges and universities. The course emphasizes a multi-representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. The content of this college-level Advanced Placement course is determined by the College Board's Advanced Placement Committee in mathematics. Topics covered include: a) limits and continuity, b) the rate of change of a function, c) formal differentiation and its applications, d) integration and its applications, and e) the calculus of transcendental functions. Students take the Advanced Placement examination in May. A graphing calculator is utilized throughout the course.

Advanced Placement (™) Calculus BC**A3100102**

The Advanced Placement (™) Calculus BC course is a highly rigorous mathematics course. The content of AP Calculus BC is determined by the College Board's Advanced Placement committee in mathematics. The course consists of the material covered in the AP Calculus AB course which is taught at a significantly accelerated pace as well as additional advanced topics including: a) slope fields ,b) Euler's method, c) integration by parts and partial fractions, d) improper integrals, e) vectors, f) parametric equations, and g) sequences and series. Students take the Advanced Placement examination in May. A graphing calculator is utilized throughout the course.

Advanced Placement (™) Statistics**A3100200**

The Advanced Placement (™) Statistics course is designed by College Board's Advanced Placement committee in mathematics. The contents of the course include: a) interpreting graphical displays of distributions of univariate data, b) summarizing and comparing distributions of univariate data, c) exploring bivariate data and categorical data, d) planning and conducting surveys and experiments, e) probability as relative frequency, f) combining random variables, g) the normal distribution, h) simulating sampling distribution, i) confidence intervals, and j) tests of significance and t-distributions. A graphing calculator is utilized throughout the course.

Sciences

Vision Statement

The CCS Science curriculum provides an opportunity for each student to develop a grounded biblical truth measured against his/her observations of the natural world and its processes. Science is a method of inquiry founded upon the order of this natural world and the design of its Creator. Science is an ongoing process that is limited as an investigative tool. Students become responsible, independent, questioning, creative, and organized learners moving from curiosity to familiarity, then master of scientific skills, processes, concepts, and theories. Students explore the various disciplines of science through an organized progression of class presentations, hands-on activities, and laboratory investigations that emphasize scientific processes and develop critical thinking skills. Students recognize that science integrates with mathematics, technology, written language, and consumer and career interests. Resulting from scientific knowledge, students come to acknowledge their role as stewards to care for humanity and conserve resources for the glory of God.

What a CCS student will know and be able to do in the Sciences:

- Exhibit knowledge of the historical development and application of skills, concepts, and processes in:
 - Scientific inquiry (the practice of science)
 - Physical science
 - Life science
 - Earth and space science
 - Science and technology
- Exhibit an understanding of unifying concepts and processes of science:
 - Systems and organization
 - Rules of evidence
 - Models
 - Explanations
 - Role of measurement, change, and equilibrium
 - Relationship between structure and function
- Exhibit critical thinking skills to distinguish between fact, myth, and theory
- Practice safe and appropriate use of scientific instruments, materials, equipment, and procedures
- Communicate scientifically via various forms of oral and written discussions and/or presentations

Courses

Biology

03010200

The Biology course is based on a conceptual and laboratory approach to understanding the nature of living things. The course opens with an introduction to the scientific method and

basic chemistry. Subsequent units cover all of the major aspects of the cell and cell theory including structure and function, photosynthesis and respiration, meiosis and mitosis, the cell cycle, nucleic acids and protein production. Students are also given an introduction to genetics and heredity. The second half of the year is devoted to classification and a survey of all of the major kingdoms of living organisms with an emphasis on humans. Computer generated activities, animations, webquests, virtual field trips, and other evolving forms of technology will be incorporated into all facets of the course. *This advanced course is offered at the Middle School level for students demonstrating a history of success and interest as evidenced through STAR assessments. Corequisite: Algebra I.

Biology Honors**03010200**

The Biology Honors course is a comprehensive, challenging, introductory biology course. Time management, work-study skills, and problem-solving techniques are developed throughout the year. Refinement of laboratory skills is an integral part of this course. Microscopic and dissecting techniques allow the student to study organisms anatomically both microscopically and macroscopically in order to realize the correlation and importance between structure and function. Computer generated activities, animations, web quests and research are incorporated in the presentation and investigation of concepts. *This advanced course is offered at the Middle School level for students demonstrating a history of success and interest as evidenced through STAR assessments. Corequisite: Algebra I.

Chemistry**03040000**

The Chemistry course covers the fundamental concepts of an introductory chemistry course. Topics studied include the phases of matter and transitions between these phases, types of chemical reactions, mathematics of chemical reactions, and energy changes which accompany those reactions, atomic theory, models, periodicity, bonding theory, properties of solutions, kinetics, equilibrium, acid-base chemistry and nuclear chemistry. The course is paced so that students are able to progress with comprehension and intuitive understanding.

Chemistry Honors**03040000**

The Chemistry Honors course is a comprehensive introductory chemistry course. Topics covered include periodicity, atomic theory, bonding theory, kinetic molecular theory, stoichiometry, properties of solutions, kinetics, equilibrium, acid-base chemistry, oxidation-reduction, electrochemistry, and nuclear chemistry. Students are expected to work independently in the laboratory and classroom.

Anatomy and Physiology**13020600**

The Anatomy and Physiology course provides the opportunity for students to explore the basic anatomical structure of the human body and to learn how the parts in a normal living human function to perform various activities necessary for life. Lecture and discussion are strongly reinforced with a laboratory emphasizing dissection and microscopic techniques. A comprehensive semester project may be required, rather than a final examination.

Physics**03050000**

The Physics course provides students with a conceptual introduction to the laws of the physical world. Subjects include motion analysis, forces, momentum, work, energy, heat, waves, sound, light, electricity, and magnetism. Problem-solving methods of teaching physics are used. Students improve their applied quantitative skills by solving physics problems, thereby illustrating knowledge of fundamental physics concepts. The course also stresses development of laboratory skills through regularly scheduled laboratory sessions and special projects. Students are encouraged to question, observe, collect data, analyze

results, and reach conclusions on physical relationships. Independent creative thought and study are encouraged throughout the course.

Advanced Placement (™) Biology **A3010200**

The Advanced Placement (™) Biology course is a rigorous comprehensive course designed for dedicated students committed to working at a college level on a daily basis. The units of study include the study of a) the processes that drive the diversity and unity of life, b) how biological systems utilize energy and molecular building blocks to grow, reproduce, and maintain homeostasis c) how living systems retrieve, transmit, and respond to information essential to life processes. Students sit for the AP Biology exam in May.

Advanced Placement (™) Chemistry **A3040000**

The Advanced Placement (™) Chemistry course is a one-year comprehensive introductory course of general chemistry at the college level. The AP Chemistry course provides students with a college-level foundation to support future advanced coursework in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. Students sit for the AP Chemistry exam in May.

Advanced Placement (™) Physics 1 **A3050003**

The Advanced Placement (™) Physics 1 course is a rigorous comprehensive introductory physics course. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It also introduces electric circuits. Emphasis is placed on development of problem-solving methods, creative thought and laboratory skills. Students will sit for the AP Physics I exam in May.

Pharmacology **13020950**

The Pharmacology course is an introduction to the pharmacy and careers in pharmaceuticals. Students will learn about pharmacy laws, medications and how they are given, medical abbreviations, and math and prescriptions. This class is for those interested in pharmacy, nursing, or medicine.

Medical Terminology **13020300**

The Medical Terminology course focuses on the component parts of medical terms: prefixes, suffixes, and word roots. Students practice formation, analysis, and reconstruction of terms. There is a major emphasis on spelling, definition, and pronunciation as well as an introduction to operative, diagnostic, therapeutic, and symptomatic terminology of all body systems. The course will also be inclusive of systemic and surgical terminology.

Engineering and Computer Science

Vision Statement

As a result of CCS's Engineering and Computer Science curriculum, students will actively utilize technology to conduct research, increase productivity, perform basic and intermediate level operations, facilitate communication, and engage in creative problem-solving and decision-making. Students will recognize their personal responsibility in the use and application of technology as a medium of truth.

CCS recognizes that thriving in a technology driven society requires that students effectively use the full range of digital tools. The technology department strives to provide state-of-the-art educational opportunities for all students. Through the work of this department, CCS graduates demonstrate an understanding of the use of technology as a means for communication, research, analysis, and self-expression. Additionally, our graduates are sensitive to the broader philosophical, moral, and ethical issues connected with the use of digital technology. Every student in grades sixth through twelve uses a personally owned, wirelessly networked device. Members of the technology department work with all CCS teachers and students in mastering these powerful and flexible tools. In addition, students with special interest in technology are encouraged to enroll in one of the elective courses offered by the technology department

Courses

Project Lead The Way: Introduction to Engineering Design **N1303742**

The Project Lead The Way: Introduction to Engineering Design course provides the opportunity for students to engage in the engineering design process actively. Students apply mathematics, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3-D modeling software and use an engineering notebook to document their work.

Project Lead The Way: Principles of Engineering **13036200**

The Project Lead The Way: Principles of Engineering course provides the opportunity for students to engage in the engineering design process actively. Students applying mathematics, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software and use an engineering notebook to document their work. Students are challenged to explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.

Audio-Visual Production **13008500**

The Audio-Visual Production course teaches students the skills needed to master the Adobe suite of creation and production software. Students will be able to create audio and video content that delivers its intended message with clarity and focus.

Introduction to Programming **13027600**

The Introduction to Programming course is designed for students with little or no computer programming experience. It covers a broad range of topics, from ASCII to ZIP. Focus will be given to the history of computing, computational complexity, computer

ethics, and the Internet. Through the use of Python programming language, students are introduced to computer programming and how it can be used to solve interesting, relevant problems. A documented history of success in Algebra I is beneficial for the student in this course.

Principles of Technology Instruction and Innovation**13027200**

The Principles of Technology Instruction and Innovation course is a hands-on study of technology support and integration in an educational context. Students will be required to assess problem sets throughout the day and define the best approach to addressing or solving the problem. In addition to solving problems for students and teachers, students will be required to complete and maintain several running projects that address problems or solutions in educational technology integration. The course also provides students with the opportunity to pursue an independent learning pathway in one of four areas: innovation, design, entrepreneurship, or applications and develop a project which positively impacts their community. Students will be able to collaborate with outside businesses and organizations as they develop and implement their projects. To be successful in this course, students should have a prior basic understanding of navigating Apple OS, Chrome OS, Microsoft Windows OS, and the iPad iOS.

Cybersecurity**N1302810**

The Cybersecurity course provides students with an overview of the technical background required to provide solutions to many cybersecurity problems. This background includes: binary/hex number systems, operating systems concepts, file systems, OSI model, network topologies and protocols. The material will be presented in the context of its necessity for providing cybersecurity solutions. Students will be introduced to basic cybersecurity concepts and will be provided opportunities for hands-on practice with fundamental cybersecurity practices.

Warrior Production Studio: Project-Based Research**12701500**

The Warrior Production Studio: Project-Based Research course provides students the opportunity to engage in a real-world scenario where they produce content and provide creative services for “clients” at CCS. Students implement professional communication strategies, utilize advanced problem solving and leadership skills and learn effective project management as they work in a client-based production environment. Examples of weekly and ongoing content creation include school communication and marketing videos, Warrior TV, and other requested content production projects. Students will maintain artifacts from their creations in order to present a professional portfolio at the end of the semester.

Social Sciences

Vision Statement

“From the experience of the past we derive instructive lessons for the future”-John Quincy Adams

Students acquire an awareness and understanding of the world, its people, and its history and investigate ways the past may influence the future. Within the diverse range of Christian perspective, students explore patterns of human and environmental interaction through history, geography, political science, economics, and current events and become aware of the interconnectedness of these disciplines. Alexander Hamilton stated, “There is a certain enthusiasm in liberty, that makes human nature rise above itself, in acts of bravery and heroism.” It is the intensive study of American History that affords students the opportunity to understand and deeply appreciate the uniqueness and the exceptionality of the United States of America. Just as Luke recognized the importance of firsthand accounts in understanding historical events (“Many people have done their best to write a report of things that have taken place from the beginning,” Luke 1:1-2), so student learning in the social sciences focuses primarily upon primary and secondary sources. When exploring cause and effect relationships, students apply Christian principles to examine past and present, local, state, national as well as global events. Students develop an appreciation for a personal heritage and cultural differences as they evaluate their roles and responsibilities as citizens in God’s creation. Using multiple research techniques and mediums, students collect information and then analyze, synthesize, and present this data in a variety of modes, including formal written and oral presentations enhanced with technology. Students grow in their ability to make informed, reasoned decisions as citizens in a culturally diverse democratic society in an interdependent global network.

What a CCS student will know and be able to do in Social Science:

- Demonstrate knowledge of the interrelation and global nature of:
 - History
 - Government
 - Economics
 - Geography
 - People in societies
 - Research and data gathering
- Demonstrate an appreciation of one’s identity and role as a Christian citizen in a democratic society and in the global community, and demonstrate competence in reasoned group decision making, resolving conflict, and cooperation to promote the common good
- Demonstrate knowledge of the significant persons and events of history, the patterns of continuity and causes of change, the value of cultural diversity, and awareness of historical perspective
- Explain and apply the relationship between human and natural environment, the characteristics of the earth’s ecosystems and human behavior
- Use geographic tools and technologies; know the location of places, geographic features, and patterns of the environment

Courses**World History****03340400**

The World History course is an overview of the history of the world from creation to the beginning of the 21st century. Students are expected to analyze world events and their historical and contemporary causes through targeted practice in reading, thinking and writing like a historian. Students study biblical and extra-biblical history, religion and the philosophy of the times. Course content focuses on the western Judeo-Christian heritage, while also surveying the contributions of Asian, African, and Latin American cultures. Students participate in the study of the great men of history and their accomplishments, life-changing events, and cultural life and achievements of the major empires and nations. Threaded throughout this course is the truth that God has a plan for man and History is a record of that plan.

US History**03340100**

The US History course provides students the opportunity to examine events, people, places, culture and historical themes from the discovery of America to the present. The course targets the topics of Industrialization, Urbanization and Immigration, Imperialism, the Progressive Era, World War I, the Roaring Twenties, the Great Depression and the New Deal, World War II, the Cold War, the Civil Rights movement, the Vietnam War, and Domestic and Foreign Affairs from the Nixon Administration through current times. Additional topics include the development of the United States, both inwardly as a nation and outwardly as an international power as they investigate the uniqueness of American government, the Constitution and the development of the free enterprise system.

American Government**03330100**

The American Government course is a comprehensive study of the structure and function of government and politics in America. The course content provides students with a working knowledge of the branches of the American government as well as an understanding of how government affects the lives of people on a daily basis. Students will study the intentions and hopes of the Founding Fathers and will study the influence and importance of the Declaration of Independence and the United States Constitution upon American society. Through simulation, discussions, and collaborative projects, students will become more aware of the changes made in our present government and the working of the democratic process. The overarching objective of this course is to inform and prepare students for their role and Christian responsibility as active and knowledgeable participants in this democratic process. This course is a one semester half-credit course.

Economics**03310300**

The Economics course is intended to give students a thorough understanding of economics as it applies to the economy on a macro level. The course content covers the basic characteristics of national and international economic systems, including currency, banking, and monetary policy. Students will develop an understanding of the economic principles that influence business decisions and analyze the roles of governments and individuals in a capitalist economy. Students will further develop an understanding of the need for ethical standards for business leaders, producers, and consumers. It is expected that students will grow in understanding, knowledge, and wisdom as they embrace the idea of Christian self-government and character necessary to apply the principles of Scripture to resolve spiritual and economic principles of unlimited wants with limited resources. This course is a one semester half-credit course.

Economics Honors**03310300**

The Economics Honors course is an advanced course that is most often paired with the Advanced Placement (™) US Government course. It is designed to provide students with a strong understanding of economics as it applies to the economy on a macro level. In addition to covering the basic characteristics of national and international economic systems including currency, banking, and monetary policy, the content for this advanced level course requires significant research and outside reading. Students develop an in-depth understanding of the economic principles that influence business decisions and analyze the roles of governments and individuals in a capitalist economy. Students will further develop an understanding of the need for ethical standards for business leaders, producers, and consumers. It is expected that students will grow in understanding, knowledge, and wisdom as they embrace the idea of Christian self-government and character necessary to apply the principles of Scripture to resolve spiritual and economic principles of unlimited wants with limited resources. This course is a one semester half-credit course.

Entrepreneurship**13034400**

The Entrepreneurship course is aligned with the Academy of Business. Students are provided the opportunity to explore how to recognize opportunities for starting a business and how to evaluate and understand markets. Students develop an understanding of planning and maintaining a profitable business through guest speakers, problem solving, and case studies.

Business Law**13011700**

The Business Law course is designed to provide students with an overview of our legal system, including statutes and regulations that affect businesses, families, and individuals in a variety of ways. Knowledge of business law is particularly useful because all students eventually assume the role of citizen, worker, and consumer in society. Businesses operate in an increasingly global environment where the laws of different governments and judicial systems frequently conflict. As a result, business students must include in their academic preparation a basic knowledge of the legal system and how business law impacts commerce both nationally and internationally. Students must understand how and why local, state, and federal law works in conjunction with international law. Students also need to be able to distinguish unethical behavior from illegal behavior and to understand the rising importance of social responsibility as an aspect of corporations and organizations in a global society. One of the most crucial changes in business law involves teaching students about the efforts of the courts and the legislature to deal with how technology has impacted the law, particularly with regard to computers and the Internet.

Advanced Placement (™) Human Geography**A3360100**

The Advanced Placement (™) Human Geography course is designed to introduce students to the systematic study of patterns and processes that have shaped how people understand, use, and change the Earth's surface. This systematic style of study will be applied to cultural geographic topics including population, migration, language, religion, ethnicity, political geography, economic development, industry, agriculture, and urban geography. This course will require much time outside of class in individual study and critical writing, and a willingness to go above and beyond common strategies of study. Students are required to sit for the AP Human Geography exam in May.

Advanced Placement (™) World History**A3370100**

The Advanced Placement (™) World History course is a rigorous study that emphasizes the chronological frame of the period before written history to the present. The course's

global focus includes the empires of China and Mesoamerica; the expansion of Islam; Mongol dominance; the period of new political unity in Africa and Europe; cultural and social aspects; and long-distance trade. Students are expected to be self-determined and to demonstrate consistently a willingness to go above and beyond common strategies of study. Students sit for the AP World History exam in May.

Advanced Placement(™) United States History **A3340100**

The Advanced Placement(™) United States History course prepares students for the national Advanced Placement examination in United States history. A college-level textbook is used, supplemented by important and sometimes controversial articles excerpted from historical journals and written by the most prominent historians in the field. Students are required:

- To gain a thorough factual knowledge of North American/United States history from 1491 through the turn of the 21st Century
- To practice and improve Long Essay Question, Document Based Question, and Short Answer – writing skills
- To learn how to interpret primary sources, secondary sources, maps, charts, graphs, political cartoons, and provide meaningful analysis
- To write a research paper showing that they have obtained in depth knowledge of an important topic in United States history
- To be able to describe changes in United States political, economic, geographic history from colonial times through the turn of the 21st Century

Advanced Placement (™) American Government **A3330100**

The Advanced Placement (™) American Government course in United States Government and Politics explores the workings of the United States government. Students will explore public policy, civil rights and civil liberties, the role of political parties, interest groups and the media in politics, political beliefs and behaviors, as well as the responsibilities, relationships, and power of the three branches of government. This course is a one semester half-credit course.

Advanced Placement (™) Psychology **A3350100**

The Advanced Placement (™) Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological concepts, principles, theories, and phenomena associated with each of the major subfields within psychology, ethical codes, and methodology used by psychologists in their science and practice.

Course objectives:

To prepare to do acceptable work on the national AP Psychology exam given in May

- To exemplify the process of inquiry
- To develop critical thinking skills from the objective evaluation of psychological theory
- To place facts into psychologically major concepts
- To devise a simple research project
- To interpret and generalize data from psychological abstracts and published reports
- To build reading, writing, and discussion skills
- To apply psychological principles when they encounter them in everyday situations

Advanced Placement (™) MicroEconomics**A3310100**

The Advanced Placement (™) MicroEconomics course provides 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 functions of product markets, and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy. This course is a one semester half-credit course.

Advanced Placement (™) MacroEconomics**A3310200**

The Advanced Placement (™) MacroEconomics course provides students with the opportunity to develop and apply an analytical perspective on the principles, concepts, and methods employed in macroeconomics. Studying macroeconomics provides students a thorough understanding of the principles of aggregate economic behavior. Students learn how the measures of economic performance, such as GDP, inflation and unemployment, are constructed and how to apply them to evaluate the macroeconomic conditions of an economy. Students employ the aggregate demand and aggregate supply model to analyze national income and evaluate the effectiveness of fiscal policy and monetary policy in promoting economic growth and stability. Recognizing the global nature of economics, students examine the impact of international trade and international finance on national economies. This course is a one semester half-credit course.

World Languages (Languages Other Than English)

Vision Statement

Students at CCS, through the intentional study of World Languages, will appreciate the unlimited capabilities that God gives all peoples for glorifying and serving him through language. They will recognize that the body of Christ is made up people of “every tribe and language and people and nation” (Revelation 5:9). Students will gain an awareness of both their own language and culture as well as that of the language and culture targeted. Students will comprehend, analyze, and critique texts and media while demonstrating competence in listening, speaking, reading, and writing in the targeted language. Students will become aware of the opportunities for practical application of their language knowledge in communities, in ministry, and in commerce.

What a CCS student will know and be able to do in World Languages (Languages Other Than English):

- Engage in conversation, express feelings and emotions, and exchange ideas
- Understand and interpret written and spoken language on a variety of topics
- Present information, concepts, and ideas to an audience of listeners or readers on a variety of topics
- Understand the relationship between the perspectives and products of the culture studied and utilize the knowledge to recognize cultural practices
- Reinforce the knowledge of other disciplines through foreign language
- Acquire information and perspective available only through the world language and within the target culture
- Recognize that languages have different patterns of communication and apply this knowledge to his/her own culture
- Recognize that cultures have different patterns of interaction and apply this knowledge to his/her culture

Courses

Spanish I

03440100

The Spanish I course is an introductory course designed for the non-native Spanish speaker. It covers vocabulary, grammatical concepts, and verb tenses to prepare students to use the language practically. Students are expected to communicate, read, and write in the Spanish tenses they learn. *This advanced course is offered at the Middle School level for students demonstrating a history of success and interest as evidenced through STAR assessments.

Spanish II

03440200

The Spanish II course covers vocabulary, grammatical concepts, and verb tenses to prepare students to communicate effectively with Spanish-speakers. Students are expected to communicate, read, and write in Spanish, speaking only Spanish in class. Students will be familiar with the formation, translation, and use of all verb forms in the indicative by the end of this course.

Spanish III

03440300

The Spanish III course reviews all concepts taught in Spanish I and II. Students continue

practicing the skills of listening, speaking, and writing. By reading and discussing short stories and short novels, students will increase their communication skills to the point where they should be understood by a native Spanish-speaker. Study of the subjunctive will enable students to understand literary works and to express themselves in a grammatically correct manner. Verbal proficiency is a course goal.

Advanced Placement (™) Spanish Language and Culture

A3440100

The Advanced Placement (™) Spanish Language and Culture course is intended to challenge the exceptional Spanish student, requiring extraordinary dedication, a strong commitment to learning, and an excellent work ethic. Students must be willing to put in the time to prepare for class each day and demonstrate the ability to work independently in and outside the classroom. The AP Spanish Language examination measures the student's proficiency in each of the modes: interpersonal, presentational, and interpretive. AP Spanish students are required to use a variety of grammatical structures and vocabulary in authentic contexts to compare, contrast, describe, and discuss the products, practices, and perspectives of the Spanish-speaking world. The ACTFL proficiency target for this class is Intermediate High/Advanced Low. Some students may reach Advanced Low. Intermediate High students can consistently describe, explain, and narrate in all major time frames, distinguish between formal and informal registers, consistently use complex sentences to express themselves in paragraph-length discourse with advanced transitions and connectors, and occasionally discuss hypothetical situations. Advanced Low students can easily describe, explain, and narrate in all major time frames, distinguish between and use formal and informal discourse, consistently and comfortably write paragraphs with advanced connectors and transitions, make conjectures and discuss hypothetical situations, handle unexpected turns of events and situations with complications, and easily express their point of view on a wide variety of topics.

Fine Arts: Performing Arts Music

Vision Statement

CCS Performing Arts provides students a stage to reflect the glory of their Creator. Students become proficient in elements including: a) kinesiology, b) technique c) expression, d) stage etiquette, e) communication, f) musical language, g) cultural studies, and f) performance practice. Students will develop a lifelong love of music, performance, and study through participation in the musical arts.

What a CCS student will know and be able to do in Music:

- Sing, alone and with others, a varied repertoire of music
- Perform on instruments, alone and with others, a varied repertoire of music
- Improvise melodies, variations, and accompaniments
- Compose and arrange music within specific guidelines
- Read and notate music
- Listen to, analyze, describe music
- Evaluate music and music performance
- Understand the relationship between music, the other arts, and disciplines outside the arts
- Understand music in relation to culture and history
- Apply appropriate personal and Christ-centered evaluative criteria to music and musical performances that acknowledge music as an art form embracing diversity
- Apply appropriate etiquette as an audience member and/or performer
- Research and explain, using various technologies including print, electronic, and recordings, the relationship between music, history, and culture
- Use music as a personal and interpersonal expression to honor God

Courses

Vocal Techniques

03152100

The Vocal Techniques course is an entry level vocal course that is intentionally designed to introduce students to the foundational techniques of vocal solo performance. Students will explore repertoire, singing technique, performance technique, song and composer history, vocal health, vocal style, journaling, essay writing, musical language, and recital performance in order to prepare themselves as a vocal soloist.

Chamber Choir

03150900

The Chamber Choir course is a mixed chorale ensemble in which students strive to build a musical community and improve musical language, ensemble singing, musical style, and performance. The repertoire consists of literature from all periods, with a balance of cultural, historical, and sacred literature.

Band I

03150100

The Band I course focuses on the study of music through the exploration of the woodwind, brass, and percussion instruments and develops the student's ability on his or her respective instrument. Additional performance opportunities are offered through marching band and concert band. Audition required.

Band II **03150200**

The Band II course includes the study of music through the exploration of the woodwind, brass, and percussion instruments. It is designed to develop further the student's ability on his or her respective instrument. Additional performance opportunities are offered through marching band and concert band.

Band III **03150300**

The Band III course provides experienced music students the opportunity to further the development of the skills as acquired in Band I and II, continuing the exploration of the woodwind, brass, and percussion instruments. Additional performance opportunities are offered through marching band and concert band.

Band IV **03150400**

The Band IV course provides experienced music students the opportunity to develop further the musical skills acquired in Band II and III, continuing through the exploration of the woodwind, brass, and percussion instruments. Additional performance opportunities are offered through marching band and concert band.

Piano I **03154200**

The Piano I course provides students with the opportunity to study music through the exploration of the piano. Students will explore and experience various styles of music through the use of reading, performing, and discussing different types of music as they relate to the musical challenges of playing the piano. This course is designed for students with little or no experience in playing a piano.

Guitar I **03154600**

The Guitar I course is designed specifically for beginning students who desire to play acoustic guitar. The course will cover all fundamental skills of playing guitar, including music literacy. Students will explore and experience various styles of music through the use of reading, performing, and discussing different types of music as they relate to the musical challenges of playing the guitar.

Advanced Placement (™) Music Theory **A3150200**

The Advanced Placement (™) Music Theory course is an intensive course dedicated to the study of all aspects of tonal theory. The course culminates with the Advanced Placement test in Music Theory in the spring. Students will learn the fundamentals of harmony, part-writing, and basic instrumentation. Additionally, students will learn to sight sing music, take melodic, rhythmic, and harmonic dictation and study both large and smaller musical forms.

Fine Arts: Performing Arts Theatre

Vision Statement

CCS Performing Arts provides students a stage to reflect the glory of their Creator. Students become proficient in elements including: a) kinesiology, b) expression, c) stage presence, d) stage craft, e) oral communication, f) tone, g) pitch, h) rhythm, i) pace, and j) performance. Students are encouraged to develop a lifelong love of music and theatre through participation in performance and study.

What a CCS student will know and be able to do in Theatre:

- Act by developing and sustaining characters in improvisation and formal or informal productions
- Direct by interpreting dramatic texts and organizing and conducting rehearsals for formal and informal productions
- Design, conceptualize, and interpret formal and informal productions
- Improvise, write, and refine scripts based on heritage, imagination, literature, history, and personal experiences
- Understand context by analyzing the role of theatre, film, television, and electronic media in the past and present

Courses

Theatre I

03250100

The Theatre I course provides a variety of opportunities for students to become aware of the aesthetic values found in God, life, people, nature, and art. This course is designed to be a nurturing, student-centered educational experience within a clearly Christian philosophical framework which addresses the creative process of character development, movement, voice, set design, effective interpersonal communication, makeup, and costumes. Vocal and physical performance skills will be exercised and developed through theatre games, playwriting, and scene work. In addition, coursework includes how to build a character, the basics of script analysis and theatre terminology. Collaboration and ensemble work provide the basis of the class.

Theatre II

03250200

The Theatre II course provides numerous opportunities for students to become aware of the aesthetic values found in God, life, people, nature, and art. This course is designed to continue to be a nurturing, student-centered educational experience within a clearly Christian philosophical framework which addresses the creative process of character development, movement, voice, set design, makeup, and costumes. The goal is to continue to nurture each student's growth as energetic, motivated individuals who possess God-given creative talents that, as developed, lead to healthy interpersonal relationships and effective communication.

Theatre III

03250300

The Theatre III course is an advanced theatre course, meant to provide an environment akin to a college or a semi-professional theatre company. Students will study script analysis, theory, and criticism, directing and design, advanced movement and vocal technique, and audition technique. Each student will have the opportunity to participate in some way (acting, directing, design, marketing, tech, etc) in the One Act play and other performances.

The class functions as a theatre ensemble; students learn and apply the important skills of collaboration, cooperation, and creative problem-solving.

Theatre IV**03250400**

The Theatre IV course is an advanced theatre course, meant to provide an environment akin to a college or a semi-professional theatre company. Students will study script analysis, theory, and criticism, directing and design, advanced movement and vocal technique, and audition technique. Each student will have the opportunity to participate in some way (acting, directing, design, marketing, tech, etc) in the One Act play and other performances. The class functions as a theatre ensemble; students are provided to learn and apply the important skills of collaboration, cooperation, and creative problem-solving.

Theatre Production**03250700**

The Theatre Production course provides students with the opportunity to study theatre in relation to the total theatrical and rehearsal process. Students will engage in learning a broad range of concepts, activities and skills that include elements from both the technical and acting sides of theatre. The culmination of the course will be theatrical productions for the public.

Technical Theatre I**103250500**

The Technical Theatre I course covers the technical aspects of theatre. Students will understand and apply the skills involved with interpreting, designing, and running a theatrical production. Topical concepts taught include: theatrical process, safety, stage management, principles of design, lighting, scenic design, sound design, makeup, and prop construction. Students will utilize the Black Box Studio's sound and lighting systems. Shop hours and/or participation in productions may be required.

Technical Theatre II**03250600**

The Technical Theatre II course extends the learning of the technical aspects of theatre as introduced in Technical Theatre I. Students will continue to deepen their understanding and application of skills involved with interpreting, designing, and running a theatrical production. Topical concepts taught include the theatrical process, safety, stage management, principles of design, lighting, scenic design, sound design, makeup, and prop construction. Students will utilize the Black Box Studio's sound and lighting systems. Field trips to local theatres and the JHM production facilities provide students with practical, hands-on, experience-based learning. Shop hours and participation in productions are required.

Technical Theatre III**03251100**

The Technical Theatre III course further extends the learning of the technical aspects of theatre. Students will continue to deepen their understanding and application of skills involved with interpreting, designing, and running a theatrical production. Topical concepts taught include the theatrical process, safety, stage management, principles of design, lighting, scenic design, sound design, makeup, and prop construction. Students will utilize the Black Box Studio's sound and lighting systems. Field trips to local theatres and the JHM production facilities provide students with practical, hands-on, experience-based learning. Shop hours and participation in productions are required.

Technical Theatre IV**03251200**

The Technical Theatre IV course provides experienced students the opportunity to experience further and learn through a variety of technical aspects of theatre. Students will continue to deepen their understanding and application of skills involved with interpreting,

designing, and running a theatrical production. Topical concepts taught include the theatrical process, safety, stage management, principles of design, lighting, scenic design, sound design, makeup, and prop construction. Students will utilize the Black Box Studio's sound and lighting systems. Field trips to local theatres and the JHM production facilities provide students with practical, hands-on, experience-based learning. Shop hours and participation in productions are required.

Fine Arts: Visual Arts

Vision Statement

The CCS Visual Arts curriculum provides opportunities for hands-on experiences, critical thinking, active problem solving, application of persistence, practice, cooperative learning, technology, and creative graphic expression. The student develops a biblical worldview through the study and application of visual art. Students come to understand that the Lord is actively at work in all areas of life. By focusing on the world's beauty through the eyes of the Lord, the creator, students are commissioned to demonstrate creativity and harmony. Students develop a variety of methods and forms of expression for their artistic talents.

What a CCS student will know and be able to do in Visual Arts:

- Understand and apply media, techniques, and processes
- Create and communicate a range of subject matter, symbols, and ideas using knowledge of structures and functions of visual arts
- Understand the visual arts in relation to history and culture
- Assess, evaluate, and respond to the characteristics of works of art
- Make connections between the visual arts, other disciplines, and the real world
- Demonstrate the ability to process information, reason clearly, reflect, and think critically
- Demonstrate adaptability in the use of technology to produce, store, and view art

Courses

Art I

03500100

The Art I course acknowledges that God is the original Creator and that he gave man the ability to produce and appreciate beauty while honoring him with his artistic expression. Art I provides students with the opportunity to observe God's creativity while creating their own artwork within the drawing, painting, and ceramics media.

Drawing II

0351300

The Drawing II course provides students with the opportunity to develop skills further while enhancing creativity and artistic confidence. Students will work toward the mastery of a variety of pencil techniques and create a portfolio of drawings.

Drawing III

0352300

The Drawing III course provides students with the opportunity to develop their drawing skills and techniques further while enhancing creativity and artistic confidence. Students will work toward mastery of a variety of pencil techniques and create a portfolio of drawings.

Advanced Placement^(TM) Studio Art: Drawing

A3500300

The Advanced Placement^(TM) Studio Art: Drawing course reflects course requirements present in a 100-level college art course. Students work within the guidelines of drawing. Students will produce at least 30 superior quality original artworks, techniques and styles of their choosing, with instructor guidance. Additionally, students will maintain an art journal, conduct critiques, and assemble a professional presentation of their work. The course culminates in a portfolio submission to the AP College Board that consists of 12-20

finished pieces. Students must complete a new artwork every two weeks in order to meet the requirements of the AP portfolio.

Painting II **03501400**

The Painting II course provides students with the opportunity to increase their knowledge of color theory and a beginner's painting foundation for watercolor, acrylic, and oil. In Painting II, students will further extend their knowledge of color theory and painting foundations. Students will select a focused specialty with watercolor, acrylic, or oil.

Painting III **03502400**

The Painting III course provides experienced art students with the opportunity to increase their knowledge of color theory and an intermediate level painting foundation for watercolor, acrylic, and oil. In Painting III, students will further extend their knowledge of color theory and painting foundations. Students will select a focused specialty with watercolor, acrylic, or oil.

Advanced Placement (™) Studio Art: 2D **A3500400**

The Advanced Placement (™) Studio Art: 2D course reflects course requirements present in a 100-level college art course. Students work within the guidelines of 2-dimensional media. Students will produce at least 30 superior quality original artworks, techniques and styles of their choosing, with instructor guidance. Additionally, students will maintain an art journal, conduct critiques, and assemble a professional presentation of their work. The course culminates in a portfolio submission to the AP College Board that consists of 12-20 finished pieces. Students must complete a new artwork every two weeks in order to meet the requirements of the AP portfolio.

Ceramics II **03501800**

The Ceramics II course provides students with the opportunity to develop a variety of skills in the medium of ceramics. This course will touch on art history, artistic expression, and perception. Students will use low fire clay to create a variety of hand built and potter's wheel pieces.

Ceramics III **03502700**

The Ceramics III course provides experienced art students with the opportunity to develop further a variety of skills in the medium of ceramics. This course will touch on art history, artistic expression, and perception. Students will use low fire clay to create a variety of hand built and potter's wheel pieces.

Advanced Placement (™) Studio Art: 3D **A3500500**

The Advanced Placement (™) Studio Art: 3D course reflects course requirements present in a 100-level college art course. Students work within the guidelines of 3-dimensional media. Students will produce at least 30 superior quality original artworks, techniques and styles of their choosing, with instructor guidance. Additionally, students will maintain an art journal, conduct critiques, and assemble a professional presentation of their work. The course culminates in a portfolio submission to the AP College Board that consists of 12-20 finished pieces. Students must complete a new artwork every two weeks in order to meet the requirements of the AP portfolio.

Photography **03501200**

The Photography course is designed to teach students a basic understanding of the principles and processes of digital photography. Basic areas of study include an overview of the levels of photography, advanced camera operation, importance of framing compositions,

and aesthetic quality. This course is recommended for self-motivated students who can work in a disciplined, serious, independent manner.

Fashion Design I**13009300**

The Fashion Design I course provides students with the opportunity to develop a core knowledge of the elements and principles of design. Students will be able to apply color, texture, form, line, movement, and pattern in the textile medium. The student will be expected to create a portfolio of work.

Fashion Design II**13009400**

The Fashion Design II course provides students with the opportunity to develop further knowledge of the elements and principles of design. Students will apply learned skills in a multitude of broad and varied endeavors. The development of a portfolio is required.

Physical Education

Vision Statement

CCS's Physical Education program focuses on the whole child by fostering general wellness as well as four critical skills for the 21st century learner: collaboration, communication, critical thinking, and creativity. Students receive instruction in mental, physical, social, and spiritual health. Students are encouraged and guided to develop positive self-esteem, to accept themselves and others, to handle stress, to solve problems, and to exercise leadership. By learning about body systems, nutrition, exercise, and by practicing physical activities, the students embrace health and wellness as a lifelong goal. Social health includes working within diverse relationships to share feelings with friends, family, and peers. Spiritual health places Christ at the center of a Christian's life, body, and healthy habits for lifelong Christian service. "Do you not know that your bodies are temples of the Holy Spirit, who is in you, whom you have received from God? You are not your own; you were bought at a price. Therefore honor God with your bodies" (1 Corinthians 6:19-20). Students are encouraged to seek physical, mental, and social challenges in life utilizing faith-informed, responsible choices.

In Physical Education, a CCS student will know and be able to:

- Demonstrate knowledge of human anatomy and body systems
- Demonstrate competency in many movement forms and proficiency in a few forms of physical activity
- Apply concepts and principles of human movement to the development of motor skills and the learning of new tasks
- Analyze the benefits of regular participation in physical activity
- Achieve and maintain a health-enhancing level of physical fitness
- Demonstrate responsible personal and social behavior in physical activity
- Understand how participating in physical activity promotes inclusion and an understanding of the abilities and cultural diversity of people
- Understand that physical activity provides the opportunity for enjoyment, challenge, self-expression, and communication
- Honor and glorify God in sports and physical activities
- Demonstrate an understanding of effective warm-up techniques
- Explain key elements to maintain and promote personal health and wellness
- Accept personal responsibility for seeking total health for self and others through recognizing God's plan for human life
- Collaborate with other students to reach a goal
- Share thoughts, questions, ideas, and solutions
- View problems in a new way, linking learning across subjects and disciplines

Courses

Health

03810100

The Health course is designed to provide students the opportunity a) to develop the knowledge of God as the Creator of human existence and the environment, b) to understand that maintaining a healthy body and mind requires a specific way of living, c) to foster in students a desire for spiritual health which will require basic Christian disciplines,

and d) to help students develop an attitude of respect for their bodies as well as an attitude of responsibility for their own actions. Instructing and guiding students to develop a healthy lifestyle is the overarching design of this course. This course is a one semester half-credit course. *This course is offered at the Middle School level.

Personal Fitness**PES00052**

The Personal Fitness course provides the students with opportunities to develop an individual optimum level of fitness. Course topics include physical fitness concepts, the significance of lifestyle in one's health and fitness, assessment of the health related components of physical fitness, health problems associated with inadequate fitness levels, and beneficial nutritional practices.

Strength and Conditioning**PES00000**

The Strength and Conditioning course is designed to enhance athletic performance and physical conditioning. This course provides athletes an opportunity to train in their sport(s) or become involved with a general workout to improve their overall well-being. Athletes are encouraged to communicate with their coaches and their strength and conditioning course instructor to provide them with a balanced workout and workout schedule that supports their individual and team needs. Strength and Conditioning focuses on improving both the health and skill related components of physical fitness. Those components are cardiovascular fitness, body composition, flexibility, muscular strength, muscular endurance, coordination, agility, reaction time, balance, speed, and power.

Athletic Training I

The Athletic Training I course is designed to be an introduction to the care and prevention of athletic injuries, and the duties associated with being an athletic trainer. The course emphasizes the anatomy of the human body in relation to injuries and rehabilitation.

Athletic Training II

The Athletic Training II course is designed to be a continuation of the care and prevention of athletic injuries, and the duties associated with being an athletic trainer. The course emphasizes the anatomy of the human body in relation to injuries and rehabilitation.

Sports Medicine**N1150040**

The Sports Medicine course provides students with an overview of the field of sports medicine. The course is designed for students who have a special interest in athletics, and/or who may be interested in pursuing a career in sports medicine, physical therapy, or other health related fields.

Informational Literacy

Vision

As a result of a CCS education, students will demonstrate familiarity with and competence in accessing information resources whether print, electronic, or media, within or beyond their immediate learning community. The Library/Media Center provides students access to an enriched environment of print and non-print resources. Students will construct meaning from information, create quality products, learn independently, participate as learners both independently and collaboratively, and utilize informational technologies responsibly and ethically.

“The school library/media center should be a major learning laboratory serving the entire school. In this age of ‘information explosion’ learning how to learn should be one of the most important emphases in the library.” (ACSI Standard)

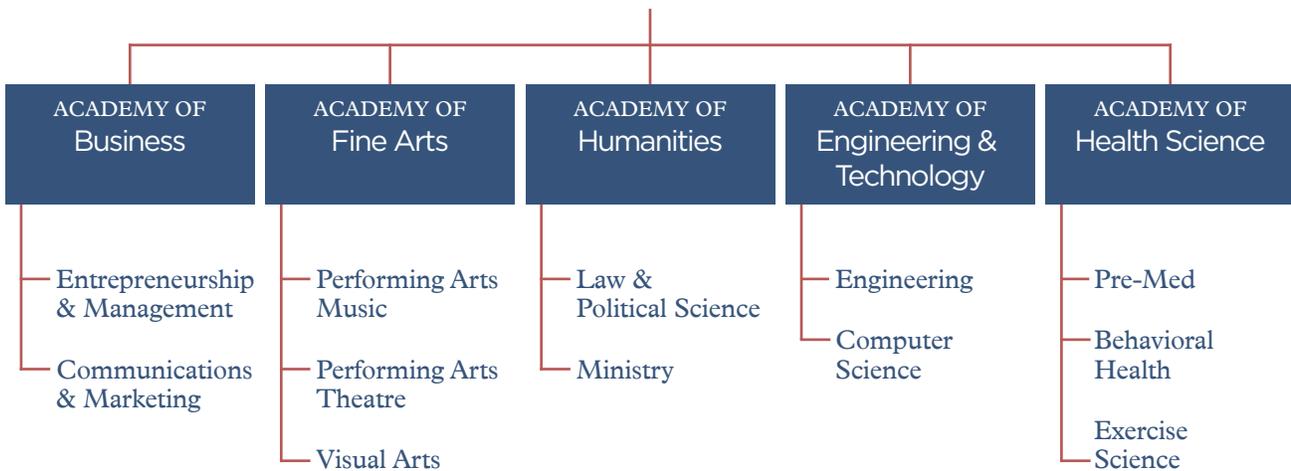
What a CCS student will know and be able to do using Information Literacy:

- Access information efficiently and effectively
- Evaluate information critically and competently
- Use information accurately and creatively



WARRIOR INSTITUTE

CCS Warrior Institute





Cornerstone
CHRISTIAN SCHOOLS

Middle School Course Descriptions

6

Sixth Grade Academic Core Courses

Bible 6

The Bible 6 course is designed to present an overview of the Bible in chronological order. As students take a journey through the Bible, they will obtain a foundational understanding as they learn the names of the sixty-six books, memorize key scripture passages, and learn basic principles that will prepare them for developing Christian worldview thinking and sound biblical interpretation.

English 6

The English 6 course stresses the fundamentals of grammar, composition, literature, vocabulary, and spelling. Students learn that language is a gift from God, a tool representing thought. Through a systematic approach of grammar, composition, and mechanics of writing, students will be guided in the learning of new concepts throughout the year. The literature component of this course concentrates on building comprehension skills, drawing conclusions, predicting outcomes, and understanding literary terms that will ensure a strong foundation for success in future English courses.

Mathematics 6

The Mathematics 6 course is an incrementally-taught program in which students will continue to develop their understanding and skills in recognizing number patterns. Students will master the concepts of fractions, decimals, percentages, and measurements. Upon completing this course, students will be able to recognize and solve equations, ratios, and proportions.

Mathematics 7

The Mathematics 7 course is foundational for the student's understanding and success in high school mathematics. Upon completion of this course, the student will have mastery over basic facts of arithmetic, basic unit conversions, all operations involving fractions and decimals, together with a firm understanding of exponents. Other topics covered in this course include order of operations, evaluation of expressions, place value, signed numbers and square roots.

Pre-Algebra

The Pre-Algebra course prepares students for the study of algebra. It is expected that students will develop understanding and skills using the strategies and tools of algebra: operations with positive and negative numbers, solving equations, recognizing and using factors, factoring, recognizing and solving ratios, equations and inequalities, powers,

percents, functions and functional notation and graphing. An exposure to right angles, including the Pythagorean Theorem, perimeters, areas, and volumes are also included as topics in this course.

Integrated Science 6

The Integrated Science 6 course introduces students to a variety of sciences: life science, physical science, space and astronomy, technology and earth science. Students will develop a rich knowledge of science and the natural world as they become familiar with different modes of scientific inquiry, rules of evidence, ways of formulating questions and proposing explanations, as well as learning of the diverse ways scientists study the natural world. As students survey these areas of science investigating new concepts, they will be challenged to develop their reasoning skills based on God's Word.

World History 6

The World History 6 course provides students with an overview of the history of the world from creation to the beginning of the 21st century. Through the study of history, geography, and economics, students are introduced to a variety of cultures and their belief systems.

Sixth Grade Elective Courses

Middle School Athletics

The Middle School Athletics course enables student athletes to honor and glorify God through participation in interscholastic athletics. Each student athlete's learning experience focuses on the fundamental skills and strategies of individual and team sports, combined with developmentally appropriate components of muscular strength and endurance, speed, agility, and cardiovascular fitness. Tryouts may be required for participation.

Middle School Physical Education 6-8

The Middle School Physical Education 6-8 course enables students to honor and glorify God with their bodies through further development of their physical potential. Students will learn basic physical fitness concepts and practice game movements that include consistent skill repetition. Students will also participate in modified game play leading to a greater knowledge of the various sports' skill content.

Middle School Technology

The Middle School Technology course introduces basic, fundamental computer concepts. Students study computer fundamentals, word processing, spreadsheets, presentations, Web browsing, multimedia, databases and communicating online.

Middle School Art I

The Middle School Art I course introduces students to various media and techniques while building upon their knowledge and skills learned in elementary art. Students will utilize 2-D and 3-D media and be exposed to various artists and art styles.

Middle School Beginning Brass/Percussion

The Middle School Beginning Brass/Percussion course provides students the opportunity to study music through the exploration of the brass and percussion instruments. Students explore and experience various styles of music through reading, performing, and discussing different types of music, and develop an appreciation for the beauty of music. No experience is required. Students must provide their own instrument.

Middle School Beginning Woodwinds

The Middle School Beginning Woodwinds course provides students the opportunity to study music through the exploration of the woodwind instruments. Students explore and experience various styles of music through reading, performing, and discussing different types of music, and develop an appreciation for the beauty of music. No experience is required. Students must provide their own instrument.

Middle School Chorale

The Middle School Chorale course is a mixed vocal ensemble designed to create a singing community for music learning, community development, and worship expression. Students will explore musical language, singing repertoire, vocal and choral techniques, and Christian worldview through cultural, historical, and sacred songs. No experience required.

Middle School Theatre I

The Middle School Theatre I course is an introduction to beginning theatre. Students learn and experience the fundamentals of theatre as they are introduced to acting, technical and set design, and the rehearsal process. No experience required.



Seventh Grade Academic Core Courses

Bible 7

The Bible 7 course presents the Book of John as a case study of the Life of Christ. Topics of customs, geography, dates, seasons, time, and weather are included and examined to help students relive the exciting days when Jesus walked the earth ministering to the people of Israel. Students become more acquainted with a visible and personal Jesus Christ and continue to develop their personal relationship with him.

English 7

The English 7 course is designed to incorporate all aspects of communication: reading, writing, listening, speaking, vocabulary, and literature. Students analyze the parts of speech with their functions and the structure of sentences. They are expected to organize thoughts by formulating paragraphs and by developing paragraphs into essays. Creative compositions in the four styles of writing will be composed through a variety of methods. As they broaden their vocabulary usage and comprehension, students recognize the patterns and principles of communication that God has communicated to us. Guided reading further develops students' comprehension of conflicts and resolution of characters leading them towards a deeper understanding of a Christian perspective of literature.

Mathematics 7

The Mathematics 7 course is foundational for the student's understanding and success in high school mathematics. Upon completion of this course, the student will have mastery over basic facts of arithmetic, basic unit conversions, all operations involving fractions and decimals, together with a firm understanding of exponents. Other topics covered in this course include order of operations, evaluation of expressions, place value, signed numbers and square roots.

Pre-Algebra

The Pre-Algebra course prepares students for the study of algebra. It is expected that students will develop understanding and skills using the strategies and tools of algebra: operations with positive and negative numbers, solving equations, recognizing and using factors, factoring, recognizing and solving ratios, equations and inequalities, powers, percents, functions and functional notation and graphing. An exposure to right angles, including the Pythagorean Theorem, perimeters, areas, and volumes are also included as topics in this course.

Algebra I*

03100500

The Algebra I course is designed to provide the foundation for more advanced mathematics courses and to develop problem-solving skills. Topics include variables, structure and properties of the real number system, first-degree equations and inequalities, relations, functions, graphs, systems of linear equations and inequalities, polynomials, integer exponents rational expressions, irrational numbers, radical expressions, quadratic equations, and yearlong work on problem solving. A graphing calculator is utilized throughout the course. *This course is offered at the Middle School level for students who have demonstrated a history of success in mathematics as evidenced through STAR assessments.

Algebra I Honors*

03100500

The Algebra I Honors course is an advanced mathematics course which is designed to address the needs of students who desire to move through the foundational elements in a more rapid manner to focus on the deeper levels of knowledge and application of skills. A graphing calculator is utilized throughout the course. *This advanced course is offered

at the Middle School level for students demonstrating a history of superior mathematic success and interest as evidenced through STAR assessments.

Life Science

The Life Science course is designed to provide students with an understanding of cell structure, the origin of life, heredity, micro and plant biology, the animal kingdom, and the environment. Students will develop critical thinking skills and proper experimental skills needed for success in upper level science courses. Based on principles taught from God’s Word, students continue to discover truth as they explore God’s amazing creation.

Texas History

The Texas History course examines the geographical composition and cultural history of Texas. Students develop an understanding of the early native Texans, the exploration of Texas and the eventual colonization of the state. Students will identify important people and events that shaped the rich heritage of the state of Texas. They will be expected to understand how events, issues, lifestyles, beliefs, and relationships between Texas and other countries have shaped both the state and country to be what it is today.

Seventh Grade Elective Courses

Middle School Athletics

The Middle School Athletics course enables student athletes to honor and glorify God through participation in interscholastic athletics. Each student athlete’s learning experience focuses on the fundamental skills and strategies of individual and team sports, combined with developmentally appropriate components of muscular strength and endurance, speed, agility, and cardiovascular fitness. Tryouts may be required for participation.

Middle School Physical Education 6-8

The Middle School Physical Education 6-8 course enables students to honor and glorify God with their bodies through further development of their physical potential. Students will learn basic physical fitness concepts and practice game movements that include consistent skill repetition. Students will also participate in modified game play leading to a greater knowledge of the various sports’ skill content.

Middle School Technology

The Middle School Technology course introduces basic, fundamental computer concepts. Students study computer fundamentals, word processing, spreadsheets, presentations, Web browsing, multimedia, databases and communicating online.

Middle School Art I

The Middle School Art I course introduces students to various media and techniques while building upon their knowledge and skills learned in elementary art. Students will utilize 2-D and 3-D media and be exposed to various artists and art styles.

Middle School Art II

The Middle School Art II course is an intermediate level art course. Students will continue to build upon their skills within the drawing, painting, ceramics, and additional art mediums.

Middle School Beginning Brass/Percussion

The Middle School Beginning Brass/Percussion course provides students the opportunity

to study music through the exploration of the brass and percussion instruments. Students explore and experience various styles of music through reading, performing, and discussing different types of music, and develop an appreciation for the beauty of music. No experience is required. Students must provide their own instrument.

Middle School Beginning Woodwinds

The Middle School Beginning Woodwinds course provides students the opportunity to study music through the exploration of the woodwind instruments. Students explore and experience various styles of music through reading, performing, and discussing different types of music, and develop an appreciation for the beauty of music. No experience is required. Students must provide their own instrument.

Middle School Intermediate Band

The Middle School Intermediate Band course is the second-year band class. Students explore and experience various styles of music through reading, performing, and discussing different types of music, and develop an appreciation for the beauty of music. Students must provide their own instrument.

Middle School Chorale

The Middle School Chorale course is a mixed vocal ensemble designed to create a singing community for music learning, community development, and worship expression. Students will explore musical language, singing repertoire, vocal and choral techniques, and Christian worldview through cultural, historical, and sacred songs. No experience required.

Middle School Chorus

The Middle School Chorus course is a second-year mixed vocal ensemble designed to create a singing community for music learning, community development, and worship expression. Students will explore musical language, singing repertoire, vocal and choral techniques, and Christian worldview through cultural, historical, and sacred songs. Placement or audition is required.

Middle School Theatre I

The Middle School Theatre I course is an introduction to beginning theatre. Students learn and experience the fundamentals of theatre as they are introduced to acting, technical and set design, and the rehearsal process. No experience required.

Middle School Theatre II

The Middle School Theatre II advanced course builds upon and extends the learning of concepts introduced in middle school Theatre I. This course culminates with a MS Theatre Production and prepares students for further success in high school Theatre courses.



Eighth Grade Academic Core Courses

Bible 8

The Bible 8 course is designed to help students deepen their understanding of the Christian worldview and how it compares to other prevalent worldviews. Topics of theology, philosophy, ethics, biology, sociology, psychology, law, politics, economics, and history are discussed and examined as they each relate to the Christian worldview.

English 8

The English 8 course includes all aspects of communication: reading, writing, listening, speaking, vocabulary, and literature. Students will continue to analyze the parts of speech with their functions and the structure of sentences. They will be expected to organize thoughts by formulating paragraphs and by developing paragraphs into essays. Creative compositions in the four styles of writing will be composed through a variety of methods. As students broaden their vocabulary usage and comprehension, they will become more proficient in recognizing the patterns and principles of communication that God has communicated to us. Guided reading will continue to develop students' comprehension of conflicts and resolution of characters leading them towards a deeper understanding of a Christian perspective of literature with real life applications.

English 8 Honors

The English 8 Honors course consists of writing and class discussion and focuses more rigorously on content, organization, and style. It includes all aspects of communication: reading, writing, listening, speaking, vocabulary, and literature. Students will continue to analyze the parts of speech with their functions and the structure of sentences. They will be expected to organize thoughts by formulating paragraphs and by developing paragraphs into essays. Creative compositions in the four styles of writing will be composed through a variety of methods. Students will be expected to become more proficient in recognizing the patterns and principles of communication that God has communicated to us as they develop a deeper understanding of a Christian perspective of literature with real life applications.

Pre-Algebra

The Pre-Algebra course prepares students for the study of algebra. It is expected that students will develop understanding and skills using the strategies and tools of algebra: operations with positive and negative numbers, solving equations, recognizing and using factors, factoring, recognizing and solving ratios, equations and inequalities, powers, percents, functions and functional notation and graphing. An exposure to right angles, including the Pythagorean Theorem, perimeters, areas, and volumes are also included as topics in this course.

Algebra I*

03100500

The Algebra I course is designed to provide the foundation for more advanced mathematics courses and to develop problem-solving skills. Topics include variables, structure and properties of the real number system, first-degree equations and inequalities, relations, functions, graphs, systems of linear equations and inequalities, polynomials, integer exponents rational expressions, irrational numbers, radical expressions, quadratic equations, and yearlong work on problem solving. A graphing calculator is utilized throughout the course. *This course is offered at the Middle School level for students who have demonstrated a history of success in mathematics as evidenced through STAR assessments.

Algebra I Honors***03100500**

The Algebra I Honors course is an advanced mathematics course which is designed to address the needs of students who desire to move through the foundational elements in a more rapid manner to focus on the deeper levels of knowledge and application of skills. A graphing calculator is utilized throughout the course. *This advanced course is offered at the Middle School level for students demonstrating a history of superior mathematic success and interest as evidenced through STAR assessments.

Geometry***03100700**

The Geometry course is an integrated course in plane and solid geometry that includes the following topics: geometry in the coordinate plane, line and angle properties, properties of polygons, circles, Pythagorean Theorem, area, volume, similarity, right triangle trigonometry, and geometric proof. Students will investigate concepts and build conceptual understanding while continuing to develop, reinforce, and master computational skills. This course also has an integrated unit that targets the fundamentals of statistics. A graphing calculator is utilized throughout the course. *This advanced course is offered at the Middle School level for students demonstrating a history of superior mathematic success and interest as evidenced through STAR assessments.

Geometry Honors***03100700**

The Geometry Honors course is an advanced mathematics course that offers a curriculum that includes the following topics: an introduction to geometry, coordinate geometry, concepts of parallelism and perpendicularity, congruent triangles, applications of congruent triangles, quadrilaterals, similarity, right triangles and trigonometry, circles, polygons, surface area, volume, and a review of algebra topics in preparation for Algebra 2. This course also has an integrated unit that targets the fundamentals of statistics. The development of problem solving strategies and good reasoning habits are emphasized in this course. Students are required to complete a mathematical research project/paper. A graphing calculator is utilized throughout the course. *This advanced course is offered at the Middle School level for students demonstrating a history of superior mathematic success and interest as evidenced through STAR assessments.

Integrated Science 8

The Integrated Science 8 course encompasses a variety of sciences: life science, physical science, space and astronomy, technology, and earth science. Students will be provided the opportunity to develop their knowledge of science and the natural world as they become increasingly familiar with different modes of scientific inquiry, rules of evidence, ways of formulating questions, and proposing explanations, as well as learning the diverse ways scientists study the natural world. As students survey these areas of science investigating new concepts, they will be challenged to develop their reasoning skills based on Scripture.

Biology***03010200**

The Biology course is based on a conceptual and laboratory approach to understanding the nature of living things. The course opens with an introduction to the scientific method and basic chemistry. Subsequent units cover all of the major aspects of the cell and cell theory including structure and function, photosynthesis and respiration, meiosis and mitosis, the cell cycle, nucleic acids and protein production. Students are also given an introduction to genetics and heredity. The second half of the year is devoted to classification and a survey of all of the major kingdoms of living organisms with an emphasis on humans. Computer generated activities, animations, webquests, virtual field trips, and other evolving forms of technology will be incorporated into all facets of the course. *This advanced course

is offered at the Middle School level for students demonstrating a history of success and interest as evidenced through STAR assessments. Corequisite: Algebra I.

Biology Honors***03010200**

The Biology Honors course is a comprehensive, challenging, introductory biology course. Time management, work-study skills, and problem-solving techniques are developed throughout the year. Refinement of laboratory skills is an integral part of this course. Microscopic and dissecting techniques allow the student to study organisms anatomically both microscopically and macroscopically in order to realize the correlation and importance between structure and function. Computer generated activities, animations, web quests and research are incorporated in the presentation and investigation of concepts. *This advanced course is offered at the Middle School level for students demonstrating a history of success and interest as evidenced through STAR assessments. Corequisite: Algebra I.

American History

The American History course identifies the significant people, places, and events in our American Republic that made this country truly unique. It also examines specific events that shaped the rich heritage of the American Republic. Students will be expected to understand how events, issues, lifestyles, beliefs, and relationships between the young American Republic and other countries have shaped this country to be what it is today. They will discover the “hand of God in the affairs of man” and will gain insight into the present day current events in light of historical truths.

American History Honors

The American History Honors course is academically challenging and requires extensive reading and writing. It identifies the significant people, places, and events in our American Republic that made this country truly unique. It also examines specific events that shaped the rich heritage of the American Republic. Students will be expected to understand how events, issues, lifestyles, beliefs, and relationships between the young American Republic and other countries have shaped this country to be what it is today. They will discover the “hand of God in the affairs of man” and will gain insight into the present day current events in light of historical truths.

Eighth Grade Elective Courses

Spanish I***03440100**

The Spanish I course is an introductory course designed for the non-native Spanish speaker. It covers vocabulary, grammatical concepts, and verb tenses to prepare students to use the language practically. Students are expected to communicate, read, and write in the Spanish tenses they learn. *This advanced course is offered at the Middle School level for students demonstrating a history of success and interest as evidenced through STAR assessments.

Health***03810100**

The Health course is designed to provide students the opportunity a) to develop the knowledge of God as the Creator of human existence and the environment, b) to understand that maintaining a healthy body and mind requires a specific way of living, c) to foster in students a desire for spiritual health which will require basic Christian disciplines, and d) to help students develop an attitude of respect for their bodies as well as an attitude of responsibility for their own actions. Instructing and guiding students to develop a healthy lifestyle is the overarching design of this course. This course is a one semester half-credit course. *This course is offered at the Middle School level.

Middle School Athletics

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Middle School Art II

The Middle School Art II course is an intermediate level art course. Students will continue to build upon their skills within the drawing, painting, ceramics, and additional art mediums.

Middle School Beginning Brass/Percussion

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Middle School Beginning Woodwinds

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Middle School Intermediate Band

The Middle School Intermediate Band course is the second-year band class. Students explore and experience various styles of music through reading, performing, and discussing different types of music, and develop an appreciation for the beauty of music. Students must provide their own instrument.

Middle School Advanced Band

The Middle School Advanced Band course is the third-year band class. Students explore and experience various styles of music through reading, performing, and discussing

different types of music, and develop an appreciation for the beauty of music. Students must provide their own instrument.

Middle School Chorale

The Middle School Chorale course is a mixed vocal ensemble designed to create a singing community for music learning, community development, and worship expression. Students will explore musical language, singing repertoire, vocal and choral techniques, and Christian worldview through cultural, historical, and sacred songs. No experience required.

Middle School Chorus

The Middle School Chorus course is a second-year mixed vocal ensemble designed to create a singing community for music learning, community development, and worship expression. Students will explore musical language, singing repertoire, vocal and choral techniques, and Christian worldview through cultural, historical, and sacred songs. Placement or audition is required.

Middle School Theatre I

The Middle School Theatre I course is an introduction to beginning theatre. Students learn and experience the fundamentals of theatre as they are introduced to acting, technical and set design, and the rehearsal process. No experience required.

Middle School Theatre II

The Middle School Theatre II advanced course builds upon and extends the learning of concepts introduced in middle school Theatre I. This course culminates with a MS Theatre Production and prepares students for further success in high school Theatre courses.



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