

# Jupiter Christian School



## UPPER SCHOOL Course Guide



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*JCS students are educated in a  
NURTURING COMMUNITY to EXCEL in  
life and to ENGAGE the world for  
Christ.*

EXCEL | NURTURE | ENGAGE

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## Jupiter Christian School

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### **Mission**

Jupiter Christian School is committed to excellence in teaching the mind, reaching the heart, and inspiring servant leaders who will impact the world for Jesus Christ.

### **Vision**

Jupiter Christian School will become a leading provider of quality education from a biblical perspective and a ready resource to help others with similar goals.

### **Core Values**

**Centrality of the Christian Faith**--The Bible is the final authority for the Christian relating to matters of faith and practice. JCS believes in the virgin birth, sinless life, substitutionary atonement and the imminent return of our Lord Jesus Christ. These beliefs are foundational to all activities related to the ministry of Jupiter Christian School. (II Timothy 3: 16,17)

**Commitment to prayer**--JCS believes in the power of prayer. All activities of the school should begin with prayer. The teachers and staff are committed to praying for their students regularly. The students are taught to pray for one another, their teachers, the school staff, their families and friends, and their government leaders. (Ephesians 6:18; II Timothy 2:1-4)

**Compassion and respect for all people**--JCS believes each individual is uniquely created by God and endowed with specific gifts and abilities. These gifts and abilities encourage mutual respect, promote Christian love and provide motivation to resolve conflict in a peaceable and Biblical manner. (Matthew 18:15-35)

**Commitment to family values**--JCS stands in loco parentis, in place of the parent. As such, the school is supportive of family issues and concerns. We exist to strengthen the family through a balanced educational program that considers the academic and relational needs of the family. (Psalm 127)

**Consistent focus on scholastic excellence**--JCS provides a challenging academic curriculum as well as a comprehensive extracurricular program. This allows each student to pursue academic excellence while developing spiritual, physical and intellectual disciplines. We intend to produce students who are well prepared to take their place in the world as God directs their lives through the study of His Word. (II Timothy 2:15)

**Community involvement**-- JCS promotes citizenship and community involvement through school wide benevolence ministries and community service programs. (Matthew 20:25-28)

**Caring attitude of servanthood**-- JCS is dedicated to serving the needs of our parents, students, teachers and staff. Furthermore, we recognize that these people are the keys to the school's success. (Matthew 20:25-28)

**Careful stewardship of all resources**-- JCS is committed to responsible management of the time, talent and treasure entrusted to us by our Creator God. (Matthew 25:14-29)

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## Expected Student Outcomes

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### **A Jupiter Christian School Graduate will be able to...**

1. Incorporate biblical teaching of God-given identity and God-directed purpose to impact their community or potential career field through critical thinking, mathematical reasoning, problem solving, inquiry, and innovative solutions to overcome obstacles and carefully steward resources.
2. Through scholarly research, demonstrate the ability to critically read, apply, analyze, synthesize and evaluate informational texts from a biblical lens.
3. Write routinely over a variety of time frames to produce clear and coherent writing for a specified purpose and audience by assessing, discerning and prioritizing use of applications and programs to complete tasks.
4. Employ both speaking and listening skills in a variety of contexts including thoughtful discussion, peer, teacher/advisor and mentor conferences.
5. Demonstrate the ability to organize, create and deliver a formal presentation of one's own ideas based on research, experience and service learning activity enhanced by technological skills and resources.
6. Understand their role in the global community to collaborate with others of diverse backgrounds and identify the value of an individual within a team to meet deadlines and achieve common goals.
7. Understand the importance of healthy choices, Christ-centered living, and a commitment to prayer as they positively impact the world around them.
8. Articulate the Gospel and think critically about biblical worldview as a lens for current events, world crises, cultural issues, and family relationships.

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## High School Graduation Requirements

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<b>ENGLISH</b>	<b>4 Credits</b>
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<b>MATH</b>	<b>4 Credits <math>\Delta</math></b>
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Algebra 1	1
Geometry	1
Algebra 2	1
Beyond Algebra 2	1

<b>SCIENCE</b>	<b>3 Credits</b>
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Physical Science or Chemistry (Lab course)	1
Biology (Lab course)	1
Beyond Biology or Chemistry	1

<b>SOCIAL STUDIES</b>	<b>4 Credits</b>
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Ancient History	1
World History	1
U.S. History	1
Government	0.5
Economics	0.5

<b>PHYSICAL EDUCATION</b>	<b>1 Credit</b>
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Health	0.5
Physical Education	0.5

<b>BIBLE</b>	<b>1 Credit each year at JCS</b>
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<b>WORLD LANGUAGE</b>	<b>2 Credits †</b>
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<b>PERFORMING/FINE ART</b>	<b>1 Credit</b>
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<b>ADDITIONAL ELECTIVES</b>	<b>2 Credits</b>
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<b>COMMUNITY SERVICE</b>	<b>30 hours/year at JCS</b>
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<b>TOTAL CREDITS REQUIRED</b>	<b>24</b>
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<b>MINIMUM GPA</b>	<b>2.0</b>
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$\Delta$  At least 3 of the 4 credits must be earned in high school.

† Must be the same language taken in consecutive years.

\*\* All Dual Enrollment courses will be assigned a half credit (0.5) per semester.

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## Academic Levels & Grading Scale

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Upper School students, with assistance from Guidance and College Placement counselors and in partnership with parents, will build a schedule of classes from the following academic levels. Some courses carry prerequisites that must be met prior to scheduling. In addition, Honors and Advanced Placement courses may require teacher recommendation. Each student will meet with counseling staff to assure a course of study that meets his or her individual academic plans, interests, and goals.

**College Prep** courses follow a core curriculum (English, math, science, world language, and social studies) that will prepare students for admission to most colleges.

**Honors Courses** offer a core curriculum that provides greater depth of subject matter and may include assignments that require more independent work effort. Students must obtain a teacher recommendation to enroll in these classes, and they frequently carry prerequisite courses. Honors level courses prepare students for admission to competitive colleges, and are weighted by a factor of .5 (one-half point) for students who maintain a minimum of "C" average.

**Advanced Placement Courses** are available for high school students and are regulated by enrollment demands. These courses offer college-level curriculum, require prerequisite classes, grade point average minimums, and teacher recommendation to enroll. AP courses are nationally recognized as academically challenging and are designed for the motivated student. Advanced Placement (AP) College credit may be earned at the end of the course by successfully completing a standardized test given in May for all students who have taken AP courses. Each exam has a fee and these fees are not included in tuition. Advanced Placement courses prepare students for selective colleges with more rigid admissions standards, and are weighted by a factor of 1.0 (one point).

**Dual Enrollment** is an opportunity for Jupiter Christian School students to enroll concurrently in college courses offered at JCS or at a local college or university. Opportunities with local colleges are encouraged and need to be approved through the Guidance Office to ensure proper credit. Participation in the program is limited to the following guidelines:

- Student must have completed his/her sophomore year
- Grade point average of 3.0 or higher
- Administrative Approval
- Adequate ACT, SAT, CPT, or entrance exam scores per the college requirements

**Students and parents are encouraged to engage the counseling staff in academic level course selection. In general, there is a limited "drop/add" period.**

### Grading Scale

Grade	% Range	Standard Quality Points	Honors Quality Points	AP/DE Quality Points
A	100-90	4.0	4.5	5.0
B	89-80	3.0	3.5	4.0
C	79-70	2.0	2.5	3.0
D	69-60	1.0	1.5	2.0
F	59-0	0	0	0

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## Schools of Distinction

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Jupiter Christian partners with parents to deliver the JCS Promise: to educate students in a nurturing community to excel in life and engage the world. Various vehicles are purposefully designed to move JCS students toward the fulfillment of the promise and demonstration of the expected student outcomes: co-curricular and club activities, college and career preparation, service projects, minimester, and Schools of Distinction.

As part of our comprehensive college preparatory program that culminates with the Senior Capstone, **Jupiter Christian's Schools of Distinction**, a specialty course track for students in grades 10-12, will provide our students with an opportunity to prepare for and explore professional fields through curricular enhancements, mentoring relationships and experiential learning. Through hands-on learning and practical application, the program gives students opportunities to move beyond the classroom. Successful completion of their chosen track will allow them to graduate with a Schools of Distinction focus that will prepare them for future success in an undergraduate program in that field.

**The 2020-2021 Schools of Distinction Pathways will continue with the following:**

**Computer Science Distinction** with classes such as Computer Science Principles, AP Computer Science Principles, Robotics with VEX robotics including local, state, and world competitions, and additional AP coursework.

**Medical Distinction** with classes such as Anatomy, Sports Medicine, Honors Microbiology, Honors Biomedical, AP Biology, AP Chemistry or Honors Chemistry.

**Fine Art Distinction** includes increased visual and performing arts opportunities.

**Business Distinction** includes classes such as Debate, Marketing Principles, Dual Enrollment Business and Dual Enrollment Macroeconomics.

Students will have the opportunity to apply for admission to one of the Schools of Distinction during second semester their 9th grade year. Current high school students (grades 10-12) will be able to select courses from the SOD offerings as elective or core class credits. Additionally, if a student does not wish to enroll in a specific School of Distinction they may select courses from the SOD offerings as their elective credit. Please contact our Guidance Office for further clarification.

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## 2020-2021 Middle School Course Catalog

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### BIBLE

**Middle School Bible classes are offered on rotating years and are combined grades 7 and 8.**

#### **Traveling Through the Bible - 1.0 credit**

This study provides a basic introduction to the structure and themes of the Word of God. As students journey through this fast-moving survey, they will discover truths and applications that God placed in each book of the Bible. God's gracious work is clear - from creation to the cross to the consummation of time. 13 units covering the entire Bible.

#### **Wisdom Literature - 1.0 credit**

This course helps students learn about the God of the Word, not just about the Word of God. Teaching students to seek the majesty and grace of God in everything, this class aims to magnify His majesty, works, and nature, and help students look for how God reveals himself through a message that shines through context, culture, and language. Middle school students study the wisdom of God in Proverbs, which will hopefully help them face more and more decisions on their own as they gain greater freedoms and responsibilities in life.

### ENGLISH

#### **English 7 - 1.0 credit**

The purpose of this course is to provide grade 7 students, using texts of high complexity, integrated language arts study in reading, writing, speaking, listening, and language for college and career preparation and readiness.

#### **Honors English 7 - 1.0 credit**

The purpose of this course is to provide grade 7 students an advanced level of rigor and pace, using texts of high complexity, integrated language arts study in reading, writing, speaking, listening, and language for college and career preparation and readiness.

#### **English 8 - 1.0 credit**

The purpose of this course is to provide grade 8 students, active reading and analysis of varied fiction and informational texts, writing for varied purposes, effective speaking, listening, and language use for college and career preparation and readiness.

#### **Honors English 8 - 1.0 credit**

The purpose of this course is to provide grade 8 students an advanced level of rigor and pace, active reading and analysis of varied fiction and informational texts, writing for varied purposes, effective speaking, listening, and language use for college and career preparation and readiness.

## **HISTORY**

### **Civics - 1.0 credit**

This grade 7 course pertains to the principles, functions, and organization of government; the origins of the American political system; the roles, rights, responsibilities of United States citizens; and methods of active participation in our political system. The course is embedded with strong geographic and economic components to support civic education instruction.

### **Honors Civics - 1.0 credit**

This advanced grade 7 course accelerates delivery of the principles, functions, and organization of government; the origins of the American political system; the roles, rights, responsibilities of United States citizens; and methods of active participation in our political system. The course is embedded with strong geographic and economic components to support civic education instruction.

### **American History - 1.0 credit**

This grade 8 course covers U.S. History from the discovery of the New World to the late 20th century. The books and coursework focus mainly on political history with a healthy addition of social history. This course emphasizes the connection between current events and historical events and requires collaborative work on creative and innovative projects.

### **Honors American History - 1.0 credit**

This advanced grade 8 course accelerates delivery of U.S. History from the discovery of the New World to the late 20th century. The books and coursework focus mainly on political history with a healthy addition of social history. This course emphasizes the connection between current events and historical events and requires collaborative work on creative and innovative projects.

## **MATH**

**(In lieu of an honors track for middle school math, students may demonstrate competency to move up levels with Math Department approval.)**

### **Math 7- 1.0 credit**

This course is designed to help students strengthen basic math skills. It also teaches students to apply these skills to real world situations and begins to develop critical thinking skills applied to word problems.

### **Pre-Algebra - 1.0 credit**

This course gives students a foundation of basic arithmetic through algebraic concepts which will prepare them for a successful experience in high school mathematics. Critical thinking skills are taught as students apply algebraic concepts to real world problems.

### **Advanced Algebra Readiness - 1.0 credit**

**Prerequisite: successful completion of Pre-Algebra**

This course is designed to lay a solid foundation for students who have completed Pre-Algebra and are intending to pursue an honors track in mathematics. Topics will include those covered in Pre-Algebra, but in greater depth. The basic concepts of Algebra I will also be introduced.

### **Algebra I\* - 1.0 credit**

#### ***Prerequisites: Pre-Algebra and teacher recommendation***

Algebra I is the introductory course to high school mathematics. Algebra I reviews pre-algebra skills and introduces the following algebraic topics: operations with integers, functions and graphing, radicals and rational expressions, quadratic equations and functions, exponents, polynomials and linear equations. It is the bridge between arithmetic and abstract thinking. This course expects the student to learn algebraic processes, to solve problems and to think critically to use those processes in real world situations. Students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations, and is the foundation for all future mathematics courses in high school and beyond.

### **Honors Algebra I\* - 1.0 credit**

#### ***Prerequisites: Pre-Algebra and teacher recommendation***

This course will cover all topics covered in Algebra 1, but it will be taught at and tested at a more advanced level. The class will go more in depth on various topics and will have much more emphasis on problem solving.

## **SCIENCE**

### **Life Science - 1.0 credit**

The Life Science course is designed to give grade 7 students an in-depth study of all the major areas of Life Science: foundations of Life Science, heredity and the origin of life, microbiology, plant biology, the animal kingdom, the human body and our environment. It will emphasize concepts that are significant in life science to all Christians and Christian philosophy through an inquiry-based science class. The student will research; complete interactive labs, virtual field trips, and web quests to enrich their learning experience.

### **Honors Life Science - 1.0 credit**

The Life Science course is designed to give grade 7 students a rigorous and accelerated in-depth study of all the major areas of Life Science: foundations of Life Science, heredity and the origin of life, microbiology, plant biology, the animal kingdom, the human body and our environment. It will emphasize concepts that are significant in life science to all Christians and Christian philosophy through an inquiry-based science class. The student will research; complete interactive labs, virtual field trips, and web quests to enrich their learning experience.

### **Earth Science - 1.0 credit**

The grade 8 Earth Science course is designed to teach an in-depth study of all the major areas of Earth Science: foundations of the celestial sphere, the atmosphere, the lithosphere, and the hydrosphere. It will emphasize concepts that are significant to Earth science, to all Christians, and Christian philosophy through an inquiry-based science class. The student will research, complete interactive labs, virtual field trips, and web quests to enrich their learning experience.

### **Honors Earth Science - 1.0 credit**

The grade 8 Earth Science course is designed to offer an accelerated and rigorous in-depth study of all the major areas of Earth Science: foundations of the celestial sphere, the atmosphere, the lithosphere, and the hydrosphere. It will emphasize concepts that are significant to Earth science, to all Christians, and Christian philosophy through an inquiry-based science class. The student will research, complete interactive labs, virtual field trips, and web quests to enrich their learning experience.

## **Honors Physical Science\* - 1.0 credit**

**Prerequisite: teacher recommendation Co-Requisite: Algebra I**

Physical Science is a foundational course for high school Chemistry and Physics which provides an introduction to great scientific discoveries of Newton, Boyle, Archimedes and many others, and students will explore these concepts in great depth. In general, the academic pace and rigor will be greatly increased for honors level course work. Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. School lab activities are investigations in the classroom or the field that provide students with opportunities to interact directly with natural phenomena or with data collected by others using tools, materials, data collection techniques, and models. Through scientific inquiry, learners will see the intelligence and power of the Creator.

## **ELECTIVES**

### **Physical Education - 1.0 credit**

Middle School Physical Education is a year-round program which provides introduction to strength and interval training. Exposures to a variety of recreational activities include swimming and bowling. Fundamental sports skills and team concepts are also taught through activities such as matball, tchoukball, ultimate Frisbee, tag rugby and various net games.

### **Visual Art - 1.0 credit**

The purpose of this class is to develop the student's awareness of the beauty in God's world and the means of reflecting it in art through the manipulation of the elements of art (line, shape, texture, value, color, form, and space) according to the principles of design (unity, proportion, balance, rhythm, emphasis, pattern, contrast, and movement). Projects are designed to be understood and manageable by all students while at the same time not stifling the creativity of highly-gifted students.

### **Band - 1.0 credit**

The instrumental music program builds musical abilities through performances; study of music theory, history, and musicianship; and appreciation of diverse musical styles.

### **Choir - 1.0 credit**

This class seeks to establish each singer's vocal and musical abilities with an emphasis on performance. Whether teaching a mixed chorus or gender specific chorus, training in healthy vocal production, basic musicianship, and sight singing are included in the class. The class will culminate in an evening performance.

### **Exploration Wheel - 1.0 credit**

The exploration wheel is designed for grade 7 students to gain introductory exposure to three elective areas of technology, theatre, and Spanish. This class is required for all 7<sup>th</sup> grade unless otherwise enrolled in Academic Support, Band or Choir.

### **Theatre Arts -1.0 credit**

Grade 8 students will be introduced to fundamental skills in the multiple elements of theatre while applying biblical principles to this collaborative art. Course content includes a survey of acting, characterization, movement, vocal production, pantomime, improvisation, theatre terminology, theatre history, theatre etiquette, script elements, auditioning, and show production. Students will visit local theatres for tours and performances, and have an opportunity to appear on stage. This course may require a student to participate in outside rehearsals and performances beyond the school day.

### **Computer Science Discoveries - 1.0 credit**

This course introduces students to computer science as a vehicle for problem solving, communication, and personal expression. The course focuses on the visible aspects of computing and computer science and encourages students to see where computer science exists around them and how they can engage with it as a tool for exploration and expression. Centering on the immediately observable and personally applicable elements of computer science, the course asks students to look outward and explore the impact of computer science on society. Students should see how a thorough student-centered design process produces a better application, how data is used to address problems that affect large numbers of people, and how physical computing with circuit boards allows computers to collect, input and return output in a variety of ways.

### **Robotics - 1.0 credit**

This is a beginning course in robotics for 8<sup>th</sup> grade students. Utilizing a variety of materials including VEX Robotics and supported platforms, students will be introduced to basic programming as well as problem solving strategies. This course will involve students in the development, building and programming of a robot. Students will work hands-on in teams to design, build, program and document their progress. Topics may include motor control, gear ratios, torque, friction, sensors, timing, program loops, logic gates, decision-making, timing sequences, propulsion systems and binary number systems. Student designed robots will be programmed to compete in various courses and challenges as designed by VEX IQ. Participation in competition may be required and can occur outside the regular school day.

### **Spanish I\* - 1.0 credit**

#### ***Prerequisite: teacher recommendation***

Spanish 1 introduces students to the target language and its culture in daily life. The student will develop communicative skills in all 3 modes of communication and cross-cultural understanding. Emphasis is placed on proficient communication in the language. An introduction to reading and writing is also included as well as culture, connections, comparisons, and communities.

### **Academic Support - 0.5 credit (admission requirements apply with additional fee)**

This is a specialized program that provides an environment for learners who can benefit from a guided study approach. Students will be encouraged to identify their learning differences and develop personal strategies for success that they can apply to the requirements of their other courses as well as community settings. There will be particular focus on organizing, prioritizing, and scheduling one's individual academic course load.

***TedX & Public Speaking will be paired with Foundations in Personal Finance for 1.0 credit***

**Foundations in Personal Finance & Life Skills - 0.5 credit**

Foundations in Personal Finance: Middle School Edition is presented in six distinct chapters including Saving & Budgeting, Credit & Debt, Education, Careers & Entrepreneurship, Investing, Insurance & Identity Theft, Global Economics, and Marketing & Consumerism. This course offers a total of twenty-two lessons. Each lesson is supported by video content taught by Dave Ramsey and other content experts as they utilize humor and real life stories to educate and reinforce sound principles for managing with money.

**TedX & Public Speaking - 0.5 credit**

JCS students are introduced to public speaking as an important component of their academic, work, and social lives. They will study public speaking occasions and develop skills as fair and critical listeners, or consumers, of spoken information and persuasion. Students study types of speeches (informative, persuasive, dramatic, and special occasion), read and listen to models of speeches, and prepare and present their own speeches to diverse audiences. JCS students will learn to choose speaking topics and adapt them for specific audiences, to research and support their ideas, and to benefit from listener feedback. Students will study how to incorporate well-designed visual and multimedia aids in presentations and how to maintain a credible presence in the digital world. Students also learn about the ethics of public speaking and about techniques for managing communication anxiety. This class will provide the students with the opportunity to research a global or national issue, provide solutions and then present that at South Florida TedX event.

*\*High School Credit Course*

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## 2020-2021 High School Course Catalog

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### **BIBLE**

#### **Ancient History & Old Testament - 1.0 credit**

This uniquely blended course is a required ninth grade, year-long course that emphasizes the study of ancient cultural regions in terms of location, physical characteristics, demographics, historical changes, land use and migratory activity. Students will engage in the study of people, patterns of population growth and settlement, places, events and developments beginning with pre-history, Mesopotamia, Egypt, China, India, Persia, Greece, and Rome. In addition to understanding the interrelationships and interdependence of cultures, students will be introduced to the historical and gospel-focused narrative of the Old Testament as a story of graceful redemption and how God is weaving this into human history and its relevance to civilization today. See Social Science descriptions for Honors option.

#### **Life of Christ and the Early Church - 1.0 credit**

This 10<sup>th</sup> grade course focuses on the New Testament Gospels, studied in chronological order from Christ's birth to His ascension and the beginning of the Church in Acts 1- 7. Emphasis is placed on the works of Jesus Christ for us in His faithfulness, death, and resurrection that alone justifies believers and reconciles us with God. We will explore the opportunities for trust that Jesus provides for us every day if we chose to follow after Him.

#### **New Testament Literature - 1.0 credit**

This 11<sup>th</sup> grade course focuses on the New Testament epistles, Romans through Revelation while using Acts chapters 8-28 as the historical and narrative backdrop. Students will learn the literary structure, purpose, and theme of each New Testament epistle. Emphasis is placed upon the understanding and proper application of basic doctrines and the relevancy of a lifestyle of trusting God.

#### **Biblical Worldview & Culture - 1.0 credit**

This 12<sup>th</sup> grade course focuses on framing a biblical worldview that is useable and memorable in a world full of contrarian worldviews. Students will discover their own personal worldview and practice the application of a biblical worldview to today's cultural moral issues. This course will also focus on a systematic study of theological concepts and issues, including: Christology, pneumatology, trinity, soteriology, bibliology, genre literacy and hermeneutics. Emphasis is placed upon the development and application of critical thinking skills so that students will build confidence in defending their faith while building bridges into the lives of people of other faiths.

## ENGLISH

### **English I - 1.0 credit**

English I is a freshman level course that introduces students to the various genres of literature and modes of writing. Students will explore works of fiction, nonfiction, poetry, drama and folk literature and examine the author's purpose, the historical and cultural context, and the literary devices. Using a gradual release of responsibility model, students will use various reading strategies to comprehend challenging text and make personal connections to Christian principles. Additionally, students will practice using texts of high complexity, integrated language arts study in reading, writing, speaking, listening, and language for college and career preparation and readiness.

### **Honors English I - 1.0 credit**

**Prerequisites: "A" average in English 8 and English Department recommendation**

The purpose of this course is to provide freshmen students, using texts of high complexity, an advanced integrated language arts study in reading, writing, speaking, listening, and language for Advanced Placement preparation and college and career readiness. Through the application, analysis, evaluation, and creation of complex ideas that are often abstract and multi-faceted, students are challenged to think and collaborate critically on the content they are learning. Through frequent expository and argument writing, problem-based research, as well as literature and rhetorical analysis, students will master the standard conventions of grammar, usage, and mechanics and multi-genre text evaluation in preparation for Advanced Placement coursework.

### **English II - 1.0 credit**

**Prerequisite: English I**

This sophomore-level course focuses study on world literature and informational texts, placing emphasis on critical analysis in reading and understanding. Continued study of composition and writing skills is implemented through varied purposes. Students develop effective listening, speaking, and viewing strategies with emphasis on the use of evidence to support or refute a claim in problem-based research, multimedia presentations, class discussions, and extended writing opportunities.

### **Honors American Literature & Composition - 1.0 credit**

**Prerequisites: "A" average in English I Honors and English Department recommendation**

This pre-AP course is designed to challenge students to apply a wide range of strategies as they grow in their understanding of American prose, poetry and drama from the American settlement to modern times. The student enrolled in this course should have the desire to work at an accelerated pace. The literature and non-fiction readings enable students to examine several aspects of the American experience, including freedom and independence, judgment, dream vs. reality and racial/cultural issues. Students focus on the elements of style in writing and the use of persuasion and rhetoric. Students are also required to write and present a problem-based research paper, and projects are assigned that require outside preparation.

### **English III - 1.0 credit**

**Prerequisite: English II**

This course surveys American prose, poetry, and drama from the American settlement to modern times. The literature and paired informational selections enable the students to examine several aspects of the American experience, including freedom and independence, judgment, dream vs. reality, and racial/cultural issues. Students learn to analyze works through the use of literary devices such as tone, diction, mood and style. Students write often and focus on literary analysis, poetry analysis, narrative, descriptive, expository, persuasive and argumentation via the lens of problem-based research. The junior-level course prepares students for college-level work by sharpening their vocabulary, critical thinking and written analysis.

### **AP Literature & Composition - 1.0 credit**

**Prerequisites:** *Grade of 85% or higher in Honors English II or Honors American Literature and Department recommendation*

This rigorous, college-level course engages advanced students in the careful reading of a broad variety of poetry, plays, and fiction with the deliberate objective to experience, interpret and evaluate the complexity and richness of literature. These readings challenge students to explore and consider a wide range of worldviews and philosophies from a Biblical perspective. Significant out-of-class reading is required. Frequent writing assignments focus on the critical analysis of literature and include expository, analytical, and argumentative essays. Creative writing assignments allow students to sharpen their understanding of literary accomplishments and artistry. Students selected for this course should be accomplished writers and competent literary critics. Students in this course will be required to take the AP English Literature & Composition exam in May. Summer reading and work are required. College credit depends on exam results.

### **English IV – 1.0 credit**

**Prerequisite:** *English III*

This senior-level course is designed to hone critical reading and expository writing skills in preparation for the collegiate environment. This course allows greater and more focused practice with scholarly research and writing processes. Reading selections will incorporate fiction and nonfiction pieces, as well as high-interest titles with pacing appropriate to the typical college-bound student. Emphasis is placed on practical, real-world applications using reading and writing communication skills through collaborative and individualized assignments, such as standardized timed writings, the college application essay and academic resume, interviewing skills, media presentations, applied writing activities, and an interdisciplinary problem-based research project.

### **DE Composition I - \*\*See pg. 5 for credit explanation**

**Prerequisites:** *Average grade of 85% or higher in American Literature Honors and Department recommendation*

Introduction to academic expository prose with emphasis placed upon the writing process: defining and developing topics, organizing information and writing drafts, and revising and editing to practice the fundamentals of expository structure and style. Practice in the application of rhetorical patterns as well as review of grammar. The course also includes practice in the fundamental techniques of writing and revision. The research portion of Capstone process is facilitated through this course and completed during the first semester.

### **DE Composition II - \*\* See pg. 5 for credit explanation**

**Prerequisite:** *A grade of C or higher in DE Composition I*

Intermediate expository and argumentative prose with emphasis placed on refining analytical reading skills, developing an informed approach to the research paper, and applying the rules and conventions of English prose.

## **SOCIAL STUDIES**

### **Ancient History & Old Testament - 1.0 credit**

This uniquely blended course is a required ninth grade, year-long course that emphasizes the study of ancient cultural regions in terms of location, physical characteristics, demographics, historical changes, land use and migratory activity. Students will engage in the study of people, patterns of population growth and settlement, places, events and developments beginning with pre-history, Mesopotamia, Egypt, China, India, Persia, Greece, and Rome. In addition to understanding the interrelationships and interdependence of cultures, students will be introduced to the historical and gospel-focused narrative of the Old Testament as a story of graceful redemption and how God is weaving this into human history and its relevance to civilization today.

### **Honors Ancient History & Old Testament - 1.0 credit**

This uniquely blended course is a required ninth grade, year-long course that emphasizes the study of ancient cultural regions in terms of location, physical characteristics, demographics, historical changes, land use and migratory activity. Students will engage in the study of people, patterns of population growth and settlement, places, events and developments beginning with pre-history, Mesopotamia, Egypt, China, India, Persia, Greece, and Rome. In addition to understanding the interrelationships and interdependence of cultures, students will be introduced to the historical and gospel-focused narrative of the Old Testament as a story of graceful redemption and how God is weaving this into human history and its relevance to civilization today. Honors distinction will be earned through research, analysis and application of information from quality sources. Students will have both action research papers and are expected to master document-based questions with strong articulate argumentative writing.

### **World History - 1.0 credit**

This course will begin with the events following the Reformation and trace the unfolding of God's immutable plan through the present. Students will explore how God has providentially unfolded His sovereign plan as He moved in and through the lives of men and women across the globe to bring about His purpose. Students will be encouraged to view history as an outworking of His plan and to seek timeless lessons from the past that can and have impacted our present.

### **AP World History – 1.0 credit**

AP World History will trace man from creation through various early civilizations to the fall of Rome, from the Dark Ages to the Renaissance and Reformation, and from the Age of European Monarchies and Revolutions to the Modern Era. Students will be exposed to the history and religions of the world. Students will interact with a variety of primary sources, literary selections, films, and artistic works, and will respond to these selections in a series of simulation activities, projects, and essay responses that enable students to integrate their understanding of historical materials with the surrounding culture. As a College Board approved course, students will focus on the five Advanced Placement themes, paying particular attention to global interactions among world cultures and societies on a chronological basis.

### **United States History - 1.0 credit**

This course covers U.S. History from the discovery of the New World late 20th century. The books and instruction focus mainly on political history with a healthy addition of social history. Classwork emphasizes the connection between current events and historical events. To succeed, students should be able to comprehend the main ideas of their reading, be able to recognize cause-effect relationships, and be able to analyze the benefits of particular events.

### **AP United States History - 1 credit**

This course covers U.S. History from the discovery of the New World to the late 20th century. The books and instruction focus mainly on political history with a healthy addition of social history. Classwork emphasizes the connection between current events and historical events. To succeed, students should be able to comprehend the main ideas of their reading, be able to recognize cause-effect relationships, and be able to analyze the benefits of particular events. Additionally, students will absorb a wide body of factual information and will regularly practice writing synthesis essays in preparation for the AP exam in May.

### **Economics - 0.5 credit**

This course covers the basic concepts of economics touching on both microeconomic and macroeconomic theories. Students will study marginal analysis, the relationship between scarcity and choice, utility theory, economic growth, and international trade markets. Success in this course is very much dependent upon a student's ability to recognize cause-effect relationships.

### **Honors Economics- 0.5 Credit**

This course covers the basic concepts of economics at an accelerated pace touching on both microeconomic and macroeconomic theories. In this advanced course, students will study marginal analysis, the relationship between scarcity and choice, utility theory, economic growth, and international trade markets in a more in-depth way than the standard course offering. Success in this course is very much dependent upon a student's ability to recognize cause-effect relationships.

### **United States Government - 0.5 credit**

United States Government is designed to give the students an in-depth understanding of the structure and function of U.S. Government. Throughout the course, we examine and evaluate our institutions of government, those who influence these institutions, the public policies made by these institutions, and the influences of the electorate on policies. In addition, students are able to connect concepts in Government with economic policies and procedures.

### **AP United States Government and Politics - 0.5 credit**

This course covers the structure and functions of the U.S. federal government in detail. Class discussions focus on the historical foundations of the Constitution, judicial precedents regarding the reach of the federal government, and the interaction of interest groups, bureaucracies, and elected government officials. Students will interpret a wide body of information and will regularly write synthesis essays in preparation for the AP exam.

## **MATHEMATICS**

### **Algebra I - 1.0 credit**

#### **Prerequisite: Pre-Algebra**

Algebra I is the introductory course to high school mathematics. Algebra I reviews pre-algebra skills and introduces the following algebraic topics: operations with integers, functions and graphing, radicals and rational expressions, quadratic equations and functions, exponents, polynomials and linear equations. It is the bridge between arithmetic and abstract thinking. This course expects the student to learn algebraic processes, to solve problems and to think critically to use those processes in real world situations. Students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations, and is the foundation for all future mathematics courses in high school and beyond.

### **Honors Algebra I - 1.0 credit**

**Prerequisites:** *Grade of 90 or higher in Pre-Algebra and teacher recommendation*

This course will cover all topics covered in Algebra I, but it will be taught at and tested at a more advanced level. The class will go more in depth on various topics and will have much more emphasis on problem solving. The workload in this course is much greater than Algebra I and requires a higher level of abstract thinking.

### **Geometry - 1.0 credit**

**Prerequisite:** *Algebra I*

This course studies the foundations of Geometry. Students are taught how to use Theorems and Postulates to answer questions about Geometric figures and to use them in basic proofs. The course requires students to do higher level thinking while applying concepts. Hands-on projects help students further understand the different concepts that are taught.

### **Honors Geometry - 1.0 credit**

**Prerequisites:** *Grade of 90% or higher in Honors Algebra I Honors and Math Department recommendation*

This course takes an accelerated study of the topics in Euclidean Geometry. Students are taught to be able to interpret diagrams and solve for various items and prove their answers. In the Honors section, students can expect to do more proofs, word problems and high-level thinking questions to prepare them for upper level math courses. Hands-on projects are part of the course that allow students to do work that isn't always in a text book.

### **Algebra II - 1.0 credit**

**Prerequisite:** *Geometry*

Algebra II will prepare students for careers where critical thinking and decision-making skills are needed for solving problems. Algebra II is a continuation of Algebra I and will lay the foundation for any higher-level math course the student wishes to pursue. This course is aligned to the National Common Core Standards and will prepare the student for college entrance exams and entry level college math courses.

### **Honors Algebra II - 1.0 credit**

**Prerequisites:** *Grade of 90% or higher Honors Geometry and Math Department recommendation*

Honors Algebra II is considerably more rigorous than Algebra II. The pace is faster and requires the student to master much more material than the regular Algebra II course. Algebra II Honors will prepare students for careers where critical thinking and decision-making skills are needed for solving problems. This course is aligned to the National Common Core Standards and will prepare students for college entrance exams and more challenging math courses, such as Pre-Calculus.

### **Math for College Readiness - 1.0 credit**

**Prerequisite:** *Algebra II*

This course is targeted for students who are not yet "college ready" in mathematics or simply need some additional instruction in content to prepare them for success in college level mathematics. This course incorporates the Florida Standards for Mathematical Practices as well as the following Florida Standards for Mathematical Content: Expressions and Equations, The Number System, Functions, Algebra, Geometry, Number and Quantity, Statistics and Probability, and the Florida Standards for High School Modeling. The standards align with the Mathematics Postsecondary Readiness Competencies deemed necessary for entry-level college courses.

### **Honors Pre-Calculus - 1.0 credit**

**Prerequisites:** *Algebra II Honors and Math Department recommendation*

Pre-Calculus is a rigorous course that ties together all mathematical concepts from Algebra, Geometry, and Trigonometry and lays the foundation for Calculus. Students will learn to represent functions verbally, algebraically and graphically. Students will also make use of the graphing calculator within the course. This course is aligned to National Common Core Standards and will prepare the student for AP Calculus AB.

### **AP Calculus AB - 1.0 credit**

**Prerequisites:** *Pre-Calculus and teacher recommendation*

Calculus is the study of change, with the basic focus on the rate of change and the accumulation. This course emphasizes a multi-representational approach with concepts, problems and results being expressed graphically, algebraically and verbally. The graphing calculator is used regularly to reinforce the relationship among the multiple representations of functions, to confirm written work, to implement experimentation and to assist in interpreting results. The tools of calculus are used in many branches of science, business and social science, as well as mathematics. It is expected that students who take AP Calculus will seek college credit; and therefore, all students are expected to take the Advanced Placement Exam.

### **AP Calculus BC - 1.0 credit**

**Prerequisite:** *AP Calculus AB*

AP Calculus BC is equivalent to the first-semester college calculus course and the subsequent single-variable calculus course. Calculus BC is an extension of Calculus AB rather than an enhancement; common topics require similar depth of understanding. The course is intended to be demanding and challenging. It is expected that students who take AP Calculus will seek college credit; and therefore, all students are expected to take the Advanced Placement Exam.

### **DE College Algebra - \*\* See pg.5 for credit explanation**

**Prerequisites:** *Grade of C or higher in Algebra II and teacher recommendation*

DE College Algebra is equivalent to the first semester of college math. Topics include: linear functions, quadratic functions, rational functions, composition of functions, inverse functions, exponential and logarithmic functions. A graphing calculator is required. Successful completion of this course is having earned a grade of C- or higher.

## **SCIENCE**

### **Physical Science - 1.0 credit**

**Prerequisite:** *Teacher recommendation* **Co-Requisite:** *Algebra I*

Physical Science is a foundational course for high school Chemistry and Physics, which provides an introduction to great scientific discoveries of Newton, Boyle, Archimedes and many others, and students will explore these concepts in great depth. In general, the academic pace and rigor will be greatly increased for honors level course work. Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. School lab activities are investigations in the classroom or the field that provide students with opportunities to interact directly with natural phenomena or with data collected by others using tools, materials, data collection techniques, and models. Through scientific inquiry, learners will see the intelligence and power of the Creator.

**Biology- 1.0 credit**

This course is designed to serve as an introduction to the life science of Biology. Areas of concentration include: organic molecules, cellular structure and function, biochemistry of respiration and photosynthesis, genetics, DNA, protein synthesis, evolution and creation, structure and function of plant and animal systems. School lab activities are investigations in the classroom or the field that provide students with opportunities to interact directly with natural phenomena or with data collected by others using tools, materials, data collection techniques, and models. An Honors component may be offered.

**Chemistry- 1.0 credit**

This standard level Chemistry course is the study of matter and the changes that it undergoes. In this introductory course, students examine a broad range of principles in chemistry and receive experience in a laboratory setting. Topics include dimensional analysis, atomic theory, periodic table, compounds, molar concept, equations/reactions, stoichiometry, states of matter, gas laws, solutions, acids/bases and an introduction to nuclear chemistry.

**Honors Chemistry- 1.0 credit**

**Prerequisites: Physical Science, Algebra I Honors, Recommendation by Guidance Department and Science Department Head**

Chemistry is the study of matter- its properties, its structure, its composition, and the changes it undergoes. A study of chemistry reveals God's handiwork, his "... eternal power and divine nature"- Rom. 1:20. Chemistry is a laboratory science, and the concepts of this course can really be brought alive and experienced within the four walls of the classroom. Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. Students can expect to have opportunities for a lot of hands-on experience. Students will be challenged to think critically, and it will require a pre-requisite set of mathematical knowledge and skills.

**Marine Science - 1.0 credit**

**Prerequisites: Biology and Physical Science or Chemistry**

South Florida is the absolute best setting for this beginner's look into the waterways of our planet. The proximity of the ocean allows for the opportunity to observe and experience directly the things that are discussed in the classroom. Marine Science builds on the physical science and life science concepts learned in previous science courses and applies that knowledge to the exploration of the living and nonliving environments of our bays and oceans. The first semester focuses on various aspects of oceanography: water chemistry, plate tectonics, sediments, ocean and atmospheric circulation, waves, tides, and coastal processes. The second semester will focus on marine biology: plankton, algae, plants, animals, marine ecosystems, and ecology. Students will participate in a variety of learning experiences, including laboratory experiments, discussions, current events, and individual research into specific areas. Ethical and social issues related to the marine environment, ocean pollution, overfishing and climate change will be addressed.

## **Anatomy and Physiology - 1.0 credit**

### **Prerequisite: Biology**

Anatomy and Physiology is a course that will enable students to develop an understanding of the relationships between the structures and functions of the human body. An overall understanding of the cells, tissues, and anatomical terminology is achieved. Covers the basics of human anatomy and physiology including anatomical terminology, basic biochemistry, the integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic/immune, respiratory, digestive, urinary, and reproductive systems. Introduces common human disease processes.

## **Honors Anatomy and Physiology - 1.0 credit**

### **Prerequisite: Biology**

Honors Anatomy and physiology is an accelerated course that will comprehensively cover the same content as the standard level anatomy and physiology course, but in a faster pace which will allow for a greater level of investigation into the content discussed including the development of an understanding of the relationships between the structures and functions of the human body. An overall understanding of the cells, tissues, and anatomical terminology is achieved. Covers the basics of human anatomy and physiology including anatomical terminology, basic biochemistry, the integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic/immune, respiratory, digestive, urinary, and reproductive systems. Introduces common human disease processes.

## **Honors Microbiology - 1.0 credit**

### **Prerequisite: Biology with an A and Science Department recommendation**

This course is designed to convey general concepts, methods, and applications of microbiology for health sciences. The role of microorganisms in the environment and in human disease is discussed. Topics include: immunology, bacteriology, virology, and mycology; the morphology, biochemistry, and physiology of microorganisms including bacteria, viruses, and fungi; the diseases caused by these microorganisms and their treatments, and the immunologic, pathologic, and epidemiological factors associated with diseases. Laboratory portion of the course provides first-hand experiences that inform, illustrate, expand, and reinforce major concepts discussed in lecture. Studying microbiology will add immensely to the student's personal development, future career opportunities, and his or her ability to make informed decisions about their own health.

## **Honors Physics - 1.0 credit**

### **Prerequisites: Physical Science, Chemistry, Algebra**

Physics is the study of the fundamental laws that God established to govern the way that the universe operates. These principles of matter and energy show his wisdom and power. "The heavens declare the glory of God; the skies proclaim the works of his hands." (Ps. 19:1) Honors Physics explores a broad range of principles including introductory kinematics, Newtonian mechanics, projectile motion, conservation of momentum and energy, fluid and wave properties, electromagnetism, and a brief introduction to nuclear physics. Students receive experience in a laboratory setting and are challenged to think analytically, creatively, and critically. In this honors-level class, an emphasis is placed on developing math skills to solve real-world problems. Students also investigate how the creation reflects the intelligent and ordered nature of its Creator.

## **Honors Biomedical – 1.0 credit**

### ***Prerequisite: Science Department recommendation***

Honors Biomedical is a rigorous, student-centered, project-based course. This course is designed to build student skill, with classroom style mini-lessons and learning exercises that incorporate labs with high-tech probe-ware equipment. This course will provide students with an overview of the human body systems. Students will perform medical training procedures as well as forensic activities during each unit. This course will also include STEM math components throughout. The foundation of this course will be an inquiry-based, hands-on curriculum which will equip the students for college level courses and programs.

## **AP Biology - 1.0 credit (Offered on alternating years)**

### ***Prerequisite: Biology with overall grade of an A and Science Department approval***

This course is designed to be the equivalent of a college introductory Biology course usually taken by Biology majors during their freshmen year of college. The two main goals are to develop a conceptual framework for modern biology and to gain experience through experimentation and inquiry. This course will survey all areas of biology in much greater depth than the freshmen first-year biology course. Areas of concentration include: organic molecules, cellular structure and function, biochemistry of respiration and photosynthesis, genetics, DNA, protein synthesis, evolution and creation, structure and function of plant and animal systems, and ecology. Inquiry-based learning will be emphasized in this course. Students will take exams throughout the year that are similar to the national exam taken in May. AP Biology includes a lab component offered at a different time than the lecture.

## **AP Chemistry - 1.0 credit (Offered on alternating years)**

### ***Prerequisite: Honors Chemistry or recommendation by Science Department***

AP Chemistry provides the student with the same level of academic challenge and rigor as a first-year college General Chemistry course. Strong study skills and critical thinking skills are emphasized. AP Chemistry builds on the Honors Chemistry course, but requires a much deeper understanding of the concepts. Students who take this course will have the opportunity to take the AP Chemistry Exam at the end of the year and potentially earn college credit. Students will be well prepared for success in an equivalent chemistry course their first year of college. This course is strongly recommended for any student thinking of a career in the areas of science, engineering, or medicine. As with any science course, the study of chemistry will serve to reveal the intelligence and power of the creator.

## **WORLD LANGUAGES**

### **Spanish I - 1.0 credit**

Spanish 1 introduces students to the target language and its culture in daily life. The student will develop communicative skills in all 3 modes of communication and cross-cultural understanding. Emphasis is placed on proficient communication in the language. An introduction to reading and writing is also included as well as culture, connections, comparisons, and communities.

### **Spanish II - 1.0 credit**

#### ***Prerequisite: Spanish 1***

Spanish 2 reinforces the fundamental skills acquired by the students in Spanish 1. The course develops increased listening, speaking, reading, and writing skills as well as cultural awareness. Specific content to be covered is a continuation of listening and oral skills acquired in Spanish 1. Reading and writing receive more emphasis, while oral communication remains the primary objective. The cultural survey of the target language-speaking people is continued.

### **Honors Spanish III - 1.0 credit**

#### **Prerequisite: Spanish 2**

Spanish 3 provides mastery and expansion of skills acquired by the students in Spanish 2. Specific content includes, but is not limited to, expansions of vocabulary and conversational skills through discussions of selected readings. Contemporary vocabulary stresses activities which are important to the everyday life of the target language-speaking people.

### **American Sign Language (ASL) I - 1.0 credit**

This course is the first in a series that will gradually increase. They are designed to develop the skills and knowledge needed to communicate in American Sign Language. ASL 1 is an introductory level course that establishes a novice range of communication skills. This course emphasizes the cultural practices distinct to those that approach the world from a visual perspective. JCS students will learn topics that will include: historical events that have impacted the language and culture of the Deaf community; the distinct cultural practices; and, comparison of language features. This course counts as 1 credit toward foreign language.

## **HEALTH SCIENCE**

### **Health - 0.5 credit**

In Health Opportunities through Physical Education, students will develop a personal responsibility in areas related to spiritual, emotional and physical health. Topics are addressed from a distinctively Christian worldview and include: routine preventive care, mental health, stress management, nutrition, CPR certification, exercise, Christian sexual values, sexually transmitted diseases, and addictions. This course is designed to inspire students to make wise choices and understand that the choices they make today will affect their future.

### **Personal Fitness - 0.5 credit**

In Health Opportunities through Physical Education, students will learn proper fitness techniques through circuit training and cardiovascular training. In this class students will improve their overall fitness through basic weight training and boot camp style exercises. Students will also participate in activities such as tag rugby, tchoukball, matball, and various net games.

### **Team Sports - 1.0 credit**

Team sports is a course that will allow students the opportunity to participate in a variety of sports such as: volleyball, basketball, soccer, tag rugby, tchoukball, ultimate Frisbee, matball and softball. This course is offered to rising 10-12 graders who have met the HOPE Physical Education requirement.

## **FINE ARTS (PERFORMING)**

### **Band I - 1.0 credit**

Upper School Band I will provide the opportunity for students to develop skills in basic instrumental techniques and musical literacy through structured rehearsals and performances. The purpose of this course is to discover the value of instrumental music as an expression of worship, to develop an appreciation of good music, to achieve a higher understanding of musical concepts, and to achieve an increasing understanding of musicianship.

## **Band II - 1.0 credit**

**Prerequisites:** *At least one year of instrumental music and demonstrated fluency on instrument*

Upper School Band II will provide the opportunity for students to further develop skills in instrumental techniques and musical literacy through structured rehearsals and performances. The purpose of this course is to discover the value of instrumental music as an expression of worship, to develop an appreciation of good music, to achieve a higher understanding of musical concepts, and to achieve an increasing understanding of musicianship.

## **Honors Band III - 1.0 credit**

**Prerequisite:** *Band 2 or by audition*

This year-long class is designed for students ready to build on skills and knowledge previously acquired in high school instrumental ensemble, promotes the enjoyment and appreciation of music through performance of high-quality, intermediate-level wind and percussion literature. Rehearsals focus on development of critical listening/aural skills, individual musicianship, instrumental technique, refinement of ensemble skills, and aesthetic engagement culminating in periodic public performances.

## **Honors Band IV - 1.0 credit**

**Prerequisite:** *Band 3 or by audition*

This year-long, intermediate-level course, is designed for students who demonstrate proficiency in woodwind, brass and/or percussion techniques, music literacy, critical listening/aural skills, and ensemble performance skills, promotes greater engagement with and appreciation for music through performance and other experiences with a broad spectrum of music, as well as creativity through composition and/or arranging.. Study includes cultivation of well-developed instrumental ensemble techniques and skills, music literacy and theory, and deeper aesthetic engagement with a wide variety of high-quality repertoire.

## **Choir I - 1.0 credit**

This is a choir for beginning singers. Emphasis is on defining the art and practice of choral singing. Training in basic musicianship, sight singing, and vocal production is an integral part of the class. Performance opportunities include in-school and off-campus venues. No choral experience or audition is required.

## **Choir II - 1.0 credit**

**Prerequisites:** *Choir 1 and/or audition*

Upper School Choir II will provide the opportunity for students to further develop skills in vocal production and musical literacy through structured rehearsal and performances. The purpose of this course is to discover the value of vocal music as an expression of worship, to develop an appreciation of quality literature, to achieve a higher understanding of musical expression, and to increase understanding of musicianship.

## **Honors Choir III - 1.0 credit**

**Prerequisite:** *Choir 2 or by audition*

This year-long, formative class, designed for students with previous participation in a school chorus who have basic knowledge of note-reading and vocal technique, concentrates on providing students opportunities to strengthen existing skills in critical listening, vocal techniques, and ensemble performance using high-quality three- and four-part choral literature. Rehearsals focus on gaining independence in music literacy and aesthetic engagement through critical listening and thinking skills.

### **Honors Choir IV - 1.0 credit**

***Prerequisite: Choir 3 or by audition***

This year-long, intermediate-level class is designed for students with previous participation in a high school chorus and moderate skills in critical listening, vocal techniques, music literacy, and choral performance. Rehearsals focus on enhancing these skills and students' aesthetic engagement with music through a variety of high-quality three- and four-part choral literature, providing students with the means to learn how to reflect and use a combination of analytical, assessment, and problem-solving skills consistently to improve their own and others' performance.

### **Theatre Arts I - 1.0 credit**

Students will develop acting skills and integrate them into individual and ensemble performances while applying biblical principles to their craft. Course content includes acting techniques, characterization and analysis, movement, script elements and analysis, vocal production, improvisation, theatre terminology and history, technical theatre and design, costuming, theatre etiquette, critique, auditioning, and show production. Students will visit local theatres for tours and performances. Students will be introduced to the various roles in the theatre and write their own short scenes. This course requires students to participate in outside rehearsals, performances, and production responsibilities beyond the school day.

### **Theatre Arts II – 1.0 credit**

***Prerequisites: Theatre 1 and/or audition***

Students will sharpen acting skills and synthesize advanced elements of theatre into semester productions using various media, techniques, and processes while applying biblical principles to their craft. Course includes advanced acting theories and methods, characterization and analysis, movement, theatre terminology, improvisation, understanding historical, societal, cultural, and spiritual influences on dramatic literature, recognizing dramatic art as advocacy, critique, playwriting, directing, and production skills, technical theatre and design, auditioning and casting, costuming, and production management skills. Students will visit local theatres for tours and performances. Students will write and direct their own work. This course requires students to participate in outside rehearsals, performances, and production responsibilities.

### **Honors Theatre Arts III - 1.0 credit**

***Prerequisites: Theatre 2 and/or audition***

This course is designed for students with significant experience in theatre, and promotes depth of engagement and lifelong appreciation for theatre through a broad spectrum of teacher-assigned and self-directed study and performance. Students regularly reflect on aesthetics and issues related to and addressed through theatre, and create within various aspects of theatre in ways that are progressively more innovative. In keeping with the rigor expected in an accelerated setting, students assemble a portfolio that showcases a significant body of work representing personal vision and artistic growth over time; mastery of theatre skills and techniques in one or more areas; and evidence of significant oral and written analytical and problem-solving skills based on their structural, historical, and cultural knowledge.

## **Honors Theatre Arts IV - 1.0 credit**

**Prerequisites:** *Theatre 3 and/or audition*

This course is designed for students with extensive experience in theatre, and promotes significant depth of engagement and lifelong appreciation for theatre through a broad spectrum of primarily self-directed study and performance. In keeping with the rigor expected in an accelerated setting, students assemble a portfolio that showcases a significant body of work representing personal vision and artistic growth over time; mastery of theatre skills and techniques in one or more areas; and evidence of sophisticated oral and written analytical and problem-solving skills based on their structural, historical, and cultural knowledge.

## **FINE ARTS (VISUAL)**

### **Visual Art Survey - 1.0 credit**

This course will provide an in-depth discussion of the elements of art and principles of design. A hands-on application will be used in the instruction of the above elements and principles. Various technical methods will be used, including drawing, painting, collage, and sculpture.

### **AP Studio Art 2D Design - 1.0 credit**

**Prerequisites:** *Visual Art Survey and Art Department recommendation*

Students who are serious about pursuing an art/design career will study in a master/apprentice relationship. An internship-like or professional application of student's talents and gifts will be emphasized. A specialized portfolio will be created for submission at the end of the year to the Advanced Placement (AP) College Board. In building the portfolio, students will learn techniques and approaches which demonstrate their abilities, versatility, problem solving, and ideation.

### **AP Studio Art Drawing - 1.0 credit**

**Prerequisites:** *Visual Art Survey, AP Studio Art 2D Design, and Art Department recommendation*

Students who are serious about pursuing an art/design career study in a master/apprentice relationship. An internship-like or professional application of student's talents and gifts is emphasized. A specialized portfolio is created for submission at the end of the year to the Advanced Placement (AP) College Board. In building the portfolio, students will learn techniques and approaches which demonstrate their abilities, versatility, problem solving, and ideation.

### **Videography I - 1.0 credit**

Students will begin to explore different elements of videography including storytelling, video editing, camera techniques, technical aspects of different equipment, and how to get better shots, to name some topics. Elements of photography will be covered as well.

### **Yearbook Journalism - 1.0 credit**

Yearbook is an Upper School course that oversees publication of the school yearbook. Students are taught basic journalism skills and then research, gather facts and photograph JCS events to chronicle the year for the student body. Students will gain experience in photography, design and layout, editing, and marketing skills. Students participating in this class will have the opportunity to experience firsthand all the challenges and rewards that journalists, photographers and editors face in the business world. This course seeks to foster a love of writing, reporting, photography, and design in our student body by presenting students gifted in these areas with a forum in which to see their work published and distributed. Class members should have a natural love of and ability to write, as well as a desire to seek out and tell great stories. As a class, we will seek to produce a student newspaper to tell the stories of our school and community. Additionally, we will study the journalism profession as a whole, including ethics in journalism, the history of journalism and freedom of the press, a journalist's responsibility to the

truth, modern technology used in telling stories, and ultimately, career paths available in the area of journalism.

## **ELECTIVES**

### **Introduction to Leadership - 1.0 credit**

This course is designed to provide students opportunities to cultivate valuable skills in self-leadership, connecting with others, and leading one's peers. Through the use of memorable imagery, real-life stories, and practical experiences, qualities such as integrity, emotional security, self-discipline, determination, and initiative will abound. This course is offered to rising 10<sup>th</sup>-12<sup>th</sup> graders, and priority is given to SGA members.

### **Leadership II - 1.0 credit**

#### ***Prerequisites: Introduction to Leadership and Administration approval***

The JCS Emerging Leaders program combines experiential and project-based learning to empower students to make a difference on their campus, community, and world. Using small and large group discussions, team building activities and community engagement, JCS students will actively pursue topics such as collaborative leadership, find their leadership styles, evaluate situational leadership, ethics and decision making while exploring the power of risk taking, communication, and facilitation. Students will research the perfect system and evaluate how they can incorporate the model to impact JCS and beyond.

### **Computer Science Principles - 1.0 credit**

Computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. More than a traditional introduction to programming, it is a rigorous, engaging, and approachable course that explores many of the foundational ideas of computing, so all students understand how these concepts are transforming the world we live in.

### **AP Computer Science Principles - 1.0 credit**

#### ***Prerequisite: Computer Science Principles***

This course is based directly off the College Board AP Computer Science Principles Framework. This course utilizes a blended classroom approach. The content is a mix of web-based and physical activities. Students write and run code in a browser. Students also create websites and digital artifacts. Each unit of the course is broken down into lessons consisting of video tutorials, short quizzes, example programs to explore, written programming exercises, free response exercises, collaborative creation projects and research projects to prepare students for the AP Computer Science Principles test.

### **Robotics - 1.0 credit**

Utilizing a variety of materials including VEX Robotics and supported platforms, students will advance their programming and problem-solving strategies. This course will involve students in the development, building and programming of a robot. Students will work hands-on in teams to design, build, program and document their progress. Topics may include motor control, gear ratios, torque, friction, sensors, timing, program loops, logic gates, decision-making, timing sequences, propulsion systems and binary number systems. Student designed robots will be programmed to compete in various courses and challenges as designed. Participation in competition may be required and can occur outside the regular school day.

**Debate - 1.0 credit**

Students will be introduced to the concepts of academic educational debating. Students will work on skills in organization, research, delivery, refutation, and argumentation. They will also be trained to participate in classroom practice debates and will then possibly engage in a field trip to novice debate tournaments held at other schools.

**Marketing Principles - 1.0 credit**

Beginning with a broad overview of the Marketing, Sales and Service career cluster, students are introduced to the terminology, careers, history, required skills, and technologies associated with each pathway in the Marketing, Sales and Service career cluster. Additionally, they will be provided with opportunities to acquire and demonstrate beginning leadership skills and participate in hands-on activities. This course introduces principles and problems of marketing goods and services. Topics include promotion, placement, and pricing strategies for products. Upon completion, students should be able to apply marketing principles in organizational decision-making.

**DE Introduction to Business - \*\* See pg. 5 for credit explanation**

**Prerequisites: Junior or Senior standing and 3.0 Cumulative GPA**

Designed to provide students with a background in the major areas of business, such as accounting, finance, marketing, manufacturing, information systems, human resourced management, business law, and international business. This provides the basis for business terminology and concepts taught in other course work in the business area.

**DE Principles of Macroeconomics - \*\* See pg. 5 for credit explanation**

**Prerequisites: Junior or Senior Standing and 3.0 Cumulative GPA**

Nature of economic concepts and problems. Course includes the basic theory of market price determination, extending into national economic measures, the business cycle, and the theory of the determination of national output, employment, and prices. Contemporary macroeconomic issues are discussed.

**DE General Psychology & Lifespan Development - \*\* See pg. 5 for credit explanation**

**Prerequisites: Junior or Senior Standing and 3.0 Cumulative GPA**

These two college courses survey the major sub disciplines of psychology as a science and as a helping profession, including physiology of behavior, learning, motivation, and abnormal and social psychology. Students will study of the stages of development and lifecycles. These courses provide a reasonable understanding of the field of psychology.

**Sports Medicine - 1.0 credit**

This course provides high school students with a general overview of athletic training, sports medicine and its history. It includes introductory information about the AT's scope of practice: injury prevention, treatment, rehabilitation, emergency injury management and administrative functions. This course is intended to help students gain an understanding of sports medicine, various associated disciplines and the role they play in the physically active community.

**ACT & SAT Preparation will be paired with Foundations in Personal Finance for 1.0 credit.**

**Foundations in Personal Finance - 0.5 credit**

Foundations in Personal Finance: High School Edition is organized in four distinct units. Each unit contains three chapters taught on video by Dave Ramsey and his team of experts. Fundamentals of personal finance to include: saving, budgeting, understanding debt, exploring life after high school, consumer awareness, bargain shopping, investing and retirement, insurance, money & relationships, career & taxes and giving with a Christ-like spirit. This curriculum is intended to provide students with robust real-world content to support their maturing process as they learn to become adults.

**ACT & SAT Preparation - 0.5 credit**

Students will receive instruction, practice and support in preparation for both the SAT and ACT college admission exams. Utilizing resources created by the College Board and ACT, students will use Khan Academy and ACT Academy, along with employing test-taking strategies, students will become familiar with the content and phrasing of questions posed in these testing situations. Students will specifically review math skills, language skills, reading skills, and science-reasoning skills. Students will study and practice listening and note taking techniques, critical thinking skills, reading in the content areas and vocabulary development to support a successful approach to test taking.

**Teacher's Assistant - 1.0 credit**

This is a course offers real-world experience to students who wish to gain exposure in a one-on-one setting with a teacher or staff member at Jupiter Christian School. Student experiences can range from assisting in our IT department, to assisting with lower school grading to assisting in the Athletic office. Please see Guidance for details.

**Academic Support - 0.5 credit (admission requirements apply with additional fee)**

This is a specialized program that provides an environment for learners who can benefit from a guided study approach. Students will be encouraged to identify their learning differences and develop personal strategies for success that they can apply to the requirements of their other courses as well as community settings. There will be particular focus on organizing, prioritizing, and scheduling one's individual academic course load.