

# PROVIDENCE SCHOOL



## MIDDLE SCHOOL CURRICULUM GUIDE 2011-2012



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## PROVIDENCE MIDDLE SCHOOL ADMINISTRATION

Headmaster-----Don R. Barfield

Middle School Principal----- Kimberly D. Stidham



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## **Bible 6**

Open to grade 6

Prerequisite: None

Description: The purpose of this class is to provide an extensive look at seventeen biblical character traits enabling students to examine and apply what the Bible says about Christ-like character. One semester is spent focusing on the text Character Quest I which is part one of a two-part study on biblical character. The second semester is spent learning how to connect with God and a study of prayer. The course also includes a study of the Book of John. The content includes but is not limited to the following:

- knowing the words and works of God
- gaining a true understanding of the nature of God
- transforming from within as they cooperate with the Holy Spirit
- fulfilling God's calling for their lives
- understanding character traits that are pleasing to God
- learning how to study the Bible
- learning the value of a personal prayer time and how to pray according to Scripture

## **Bible 7**

Open to grade 7

Prerequisite: None

Description: The Bible will come alive as students set off on a journey through selections from both the Old and New Testament. Students will begin their journey the first semester by walking through the Book of Acts. Their text, To the Ends of the Earth, will take them to hostile cities, magnificent temples and raging seas as they experience the powerful birth and expansion of the early church. Second semester, students will dive into four of Paul's letters: 1st & 2nd Corinthians, Galatians and Philippians. Throughout the year, students will not only learn about the feasts God established in the Old Testament, but also understand how these feasts fit into the lives of Christians today. Additional topics covered include but are not limited to:

- knowing the words and works of God
- gaining a true understanding of the nature of God
- transforming from within as they cooperate with the Holy Spirit
- fulfilling God's calling for their lives



## **Bible 8**

Open to grade 8

Prerequisite: None

Description: *Daring Deliverers* helps students understand the history of Israel. Students study the twelve military leaders of Israel during this time period, as well as Ruth, Eli, and Samuel, and evaluate his or her ability to lead. At the end of each lesson are exercises that extend the lessons into related research topics, summarize lesson material, and ask students to identify and apply leadership principles. *So What's the Difference* is used by teachers as a foundational study of worldviews, faiths, and religions and how they compare to Christianity. Students will learn Bible verses to defend their faith throughout the year and will help them understand the difference between Biblical teachings and non-Biblical teachings in other religions. Additionally, I Timothy, II Timothy and Titus provide lessons to deepen students' faith in a world of oppression, danger, and difficulty. The content includes but is not limited to the following:

- extending themselves beyond merely surviving to thriving in the midst of everyday challenges
- learning principles for facing life's challenges
- learning about God's faithfulness to His servants



## **EXPLORATORY ELECTIVES**

### **Art Exploratory**

Open to grades 7-8

Prerequisite: None

Are you a budding artist? A Picasso unrefined? Or are your best drawings made up of stick figures? If you want to draw, this class is a must take for you! Regardless of your ability, you will quickly learn the techniques that enable anyone to draw. After all, art is the ability to bring what you see into a form. By learning to see and think creatively as an artist, you will be able to develop your creative ability.

The purpose of this course is to enable students to explore, produce and appreciate two-dimensional works of art. Production activities may include both wet and dry mediums. Pottery may be introduced. The content includes but is not limited to the following:

- use of tools and materials
- varied media, technology, and processes
- perception and observation
- imagery and visual language
- critical thinking and analysis
- historical and cultural perspectives
- connections between visual arts and other subject areas
- personal benefits
- cooperative skills



## **Band Exploratory**

Open to grades 6-8

Prerequisite: None

Have you every wished you could play a musical instrument? Do you love the sound of the brass, woodwinds, and percussion coming together to enchant the listener? Do you think playing an instrument would help you focus and relax your brain? Studies have shown that music makes you smarter. Band exploratory is the place to learn. Beginners will come together to choose their instruments and learn the basics.

The purpose of this course is to enable students to develop fundamental individual and ensemble skills in instrumental music performance through preparation of varied band literature for beginning players. Emphasis will be placed on tone production, reading rhythms and pitch and technical skills. This course generally requires students to participate in extra rehearsals and performances beyond the school day. Students are responsible for providing their own instrument and music book. The content includes but is not limited to the following:

- proper tone quality
- hand position and posture
- proper technique
- rhythmic reading
- pitch discrimination
- performance analysis
- blend and balance
- intonation
- expression and style
- interpretation



## **Chorus Exploratory**

Open to grades 6-8

Prerequisite: None

Do you love to sing? Do you sing only in the shower or do you have perfect intonation? Do you enjoy learning music and performing with a group?

Description: The purpose of this course is to enable students to develop fundamental individual and ensemble skills in choral performance through preparation of varied high/low range choral literature for middle/junior high voices. Emphasis will be placed on healthy and expressive vocal musicianship, technical skills, and aesthetic awareness. The content includes but is not limited to the following:

- vocal production
- choral performance techniques
- music literacy
- sight reading and ear training
- elements and characteristics of music
- performance analysis
- responsible participation in music activities
- overview of music history
- music production including playing and recording



## **Computer Animation**

Open to grades 7-8

Prerequisite: None

How does Disney do it? Do the words claymation, stop action, GIFs, and modeling mean anything to you? Are you enthralled with the idea of creating animation?

This class will teach the basic principles of animation as well as the concepts of creating animation. There will be projects that allow students to build both 2-dimensional and 3-dimensional interactive animation.

## **Dance Exploratory**

Open to grades 7-8

Prerequisite: None

Do you find your feet tapping to the beat of every song? Do you find your body swaying to the rhythm of music? If so, then come strut your stuff with us! We believe that everyone can dance and that everyone has a dancer inside him or her. You'll learn some fun dances but more than that, you will discover how to be comfortable moving to the music.

The purpose of this course is to enable students to develop basic knowledge and skills in varied dance styles through acquisition of technique, choreographic skill, aesthetic awareness, and performance quality within a cultural and historical context. The content includes but is not limited to the following:

- awareness of movement elements and appropriate terminology and technical skills when performing and improvising ensemble dances in varied styles
- ability to perform accompanied and unaccompanied ensemble dances from varied styles, genres, and cultures
- awareness of choreographic principles, processes, and structures to create and perform dance phrases that convey an idea, event, mood, or music content
- awareness of the influence of history and culture on the development of dance styles
- awareness of the ways in which critical and creative processes are applied when creating and performing dance
- ability to compare and contrast dance performances using technical and aesthetic criteria for the purposes of parallelism
- awareness of the connections between dance and healthy living
- awareness of the connections between dance and other subject areas

\*parents will be expected to obtain the costumes for performances at their own additional cost



## **Drama Exploratory**

Open to grades 7-8

Prerequisite: None

Description: The purpose of this course is to introduce students to the fundamental skills in the multiple elements of theatre as a collaborative art. The content includes but is not limited to the following:

- introduction to theatre and theatre history
- basic acting skills
- personal resources, including imagination, concentration, observation, sensory awareness and movement
- teamwork skills through listening, understanding, compromising, leading, suggesting, and following
- development of creativity including improvisation, narrative pantomime and story dramatization
- effective communication techniques
- development of the voice, including relaxation, breathing, quality, pitch, flexibility, articulation, pronunciation, volume, rate, and projection
- types of stages, stage terminology, acting technique and movement
- performance(s) in front of a live audience

## **Forensic Science: CSI style**

Open to grades 7-8

Prerequisite: None

It was a dark and stormy night. A scream was heard in the dark! When the storm cleared, there was clearly evidence a crime had been committed. The question was, “**WHODUNNIT?**” Have you ever wondered how police detectives are able to track criminals based on small pieces of evidence? Do you know the meaning of the acronym CSI? Do you have a desire to learn about things like fingerprints, “blood” spatter marks, DNA evaluations and other cool tests? This is the elective for you. Learn about techniques used to evaluate crime scenes in order to solve your own mystery.



## **Introduction to Robotics**

Open to grades 7-8

Prerequisite: None

Students will get the chance to enjoy a “hands-on” experience as they build and program their very own robots using Lego Mindstorms Technology. Students will be introduced to various aspects of artificial intelligence and robotics. The content includes but is not limited to the following:

- applications of robotics concepts
- motors, sensors and programming
- future of robotics
- using Lego Mindstorms for building & programming robots
- participation in the Lego Mindstorms Team Challenge



### ***Kid's Court***

Open to grades 7-8

Prerequisite: None

This class is designed to introduce the student to the many areas of juris prudence. Students develop critical thinking and public speaking skills as well as knowledge of legal practices and procedures through mock trial simulations centered around topics of serious interest to the middle school student. Examples include lying, cheating, and stealing as well as current topics in our world today.

### **Keyboarding**

Open to grades 6-8

Prerequisite: None

Do you hunt and peck every time you put your hands on the keyboard? Are you envious of those who can type 50 words a minute and never have to look at their fingers? This class teaches proper finger placement and basic keyboarding techniques. Through repetition you will learn to type without peeking! This class is strongly suggested for all sixth graders and incoming students without keyboarding experience

### **Livin' Large**

Open to grades 7-8

Prerequisite: None

This class will begin preparing you for independent living. You will learn resume writing and job interviewing techniques so you can make money. You will learn about checkbooks, mortgages, credit, and budgeting so you spend the money you make wisely. You will learn social skills and etiquette so you are received well in the workplace and in social situations. Lastly, you will learn about the community around you and why it is important to you personally.



## **Math Concepts**

Open to grades 6-8

Prerequisite: Teacher recommendation and or below average in present math class.

Description: The purpose of this class is to enhance mathematical skills that are being taught in the student's current math course. The content includes, but is not limited to the following:

- activities and exercises based on student need
- useful tips and additional examples for the daily math lessons learned in math course
- review of past concepts and skills
- review of and reinforcement of present material using a variety of methods and manipulatives
- small class size to enable more one on one instruction from teacher

## **Middle School Band**

Open to grades 6-8

Prerequisite: Instructor approval

Description: The purpose of this course is to enable students to develop advanced individual and ensemble skills in instrumental music performance through preparation of varied band literature for intermediate players. Emphasis will be placed on tone production, reading rhythms, pitch and technical skills. This course generally requires students to participate in extra rehearsals and performances beyond the school day. Students are responsible for providing their own instrument and music book, but sheet music for performances will be provided. The content includes but is not limited to the following:

- proper tone quality
- hand position and posture
- proper technique
- rhythmic reading
- pitch discrimination
- performance analysis
- blend and balance
- intonation
- expression and style
- interpretation



## **Middle School Chorus**

Open to grades 6-8

Prerequisite: Instructor approval

Description: The purpose of this course is to enable students to develop intermediate-level individual and ensemble skills in choral performance through preparation of varied high/low range choral literature for middle/junior high voices. Emphasis will be placed on healthy and expressive vocal musicianship, technical skills, and aesthetic awareness. This course occasionally requires students to participate in extra performances beyond the school day. The content includes but is not limited to the following:

- vocal production
- choral performance techniques
- music literacy
- sight reading and ear training
- elements and characteristics of music
- performance evaluation
- role and influence of choral music and musicians
- responsible participation in music activities

## **Middle School Dance**

Open to grades 6-8

Prerequisite: Instructor Approval

The Purpose of the Providence Middle School Dance Company is to experience dance in a way that glorifies and expresses the love of Jesus Christ, to provide opportunities to the students' gift of dance with others, and to promote personal discipline- without which no person can be truly successful. Through the acquisition of technique and the use of various disciplines of dance the content of this course will include, but not be limited to the following:

- Share the love and joy of Jesus Christ through the art form of dance
- Create school spirit, pride, and loyalty
- Promote interest in school activities by performing at school games, activities and social events
- Teach teamwork and pride in quality performance through maintaining high standards
- Perform as a company to spread the spirit of Jesus Christ and build a unity to reach a higher level of performance and fellowship



## **Orchestra**

Open to grades 6-12

Prerequisite: prior experience required

The Providence Orchestra offers instruction in the orchestral strings: violin, viola, cello and double bass. For the 2011-2012 school year, prior experience is required, although a bass guitar player who reads music (not just chords) would be welcome to join the group to learn the double bass. Instruments are available for use at no charge through an outside source; information may be obtained through the director, Mrs. Vaughan. Repertoire will be wide and varied. Further information is available from Mrs. Vaughan at [cvaughan@prov.org](mailto:cvaughan@prov.org). The content includes but is not limited to the following:

- Playing posture
- Bow control: legato, staccato, slurs, hooked, articulation
- Accuracy in score reading
- Ensemble skills
- Intonation
- Melodic phrasing
- Rhythmic accuracy
- Blending and balance

## **Sports, Sports, Sports**

Open to grades 7-8

Prerequisite: None

Can't get enough sports? Are you happy moving around and engaged in some type of physical movement? We will play capture the flag, kickball, floor hockey, ball sports and may even hold some of our own Olympic games.



## **Learn Smart**

Open to grades 6-8

Prerequisite: None

Planning and organization, taking notes, using memory devices, active studying, understanding the test taking genre, and understanding yourself as a learner can help overcome learning “speed bumps” so you can have a more productive and successful year in all your classes. Come find out how smart you are by understanding HOW you are smart. You will discover your strengths and weaknesses to help you better understand how to effectively study and learn material for your classes. You will learn how to “use” your planner to prioritize your time, remember homework and textbooks, and after-school activities. Studying should be active, not passive. You will learn to use two-column notes, outlines, and memory devices to help you understand and remember new material. Finally, gain an understanding of the Test Taking Genre by learning about the five types of questions you may encounter on tests.

## **Wild Writing**

Open to grades 7-8

Prerequisite: None

Whether you love, love, love creative writing or just want to improve your creativity and skills, sign up for this writing, writing, writing, class! We will write at least a little bit every day. Sometimes we will focus on poetry. Sometimes we'll work on children's stories to read to the elementary students. Sometimes we'll journal. Sometimes we'll write a short play. We'll be outside, inside, and upside down (literally) looking for inspiration.



## **FOREIGN LANGUAGE**

### **French I**

Open to grades 8-12

Prerequisite: Must be A/B honor roll

Description: The purpose of this course is to introduce students to French and French culture and to develop communication skills and cross-cultural understanding. The content includes but is not limited to the following:

- beginning skills in listening and speaking with special attention to pronunciation
- fundamentals of grammar
- fundamentals of culture
- introduction to reading and writing
- building a strong vocabulary base

### **Spanish I**

Open to grades 8-12

Prerequisite: Must be A/B honor roll

Description: The purpose of this course is to introduce students to Spanish and Hispanic culture and to develop communication skills and cross-cultural understanding. The content includes but is not limited to the following:

- beginning skills in listening and speaking with special attention to pronunciation
- introduction to reading and writing
- fundamentals of grammar
- fundamentals of culture
- building a strong vocabulary base



## **LANGUAGE ARTS**

### **Advanced English 6**

Open to grade 6

Prerequisite: Grade of “C” or higher in English 5

Description: The purpose of this course is to promote academic excellence in English language arts through enriched experiences with literature, vocabulary, written expression, grammar, speaking, and listening. The content includes but is not limited to the following:

- extension and application of previously learned knowledge and skills of the fifth grade with increasingly complex texts, assignments, and tasks
- understanding elements of short stories, novel genres, and informational texts
- applying meaning through the study of prefixes, suffixes, root words, and vocabulary within the context of reading
- using proper writing strategies and the conventions of standard written English to write for a variety of purposes and audiences, and to communicate information and ideas
- understanding the writing process and elements of style in writing (ideas, organization, effective work choice, a powerful voice, sentence fluency, and conventions)
- understanding the appropriate and effective use of vocabulary
- understanding the power of language and using language in authentic contexts
- responding critically to visual, oral, and written texts
- using listening, viewing, and speaking strategies

### **Advanced English 7**

Open to grade 7

Prerequisite: Grade of “C” or higher in English 6

Description: The purpose of this course is to promote academic excellence in English language arts by providing integrated educational experiences in the language arts strands of writing, listening, viewing, speaking, and language. The content includes but is not limited to the following:

- extension and application of previously learned knowledge and skills of the sixth grade with increasingly complex texts, assignments, and tasks
- the use of the mechanics of writing (including grammar, punctuation, spelling, sentence, and paragraph construction) to communicate information and ideas effectively
- the use of listening, viewing, and speaking strategies to give effective class presentations, recitals of memorized materials, and speeches
- the use of prefixes, root words, and suffixes to understand meaning



- an understanding of the power of language and using language in authentic contexts
- an understanding of the elements of style in writing, using composition as a vehicle (including purpose, audience, literary and rhetorical terms, syntax, voice, tone, mood, point-of-view, and diction)
- the use of research skills (including research projects and papers, criteria for and use of resources, MLA format, and plagiarism)
- the use of technology for research and composition (including the media center and on-line sources)

## **Advanced English 8**

Open to grade 8

Prerequisite: Grade of “C” or higher in English 7

Description: The purpose of this course is to promote academic excellence in English language arts by providing integrated educational experiences in the language arts strands of reading, writing, listening, viewing, speaking, and language. The content includes but is not limited to the following:

### **Reading**

- extension and application of previously learned pre-reading and reading knowledge and skills of the seventh grade with increasingly complex texts, assignments, and tasks (including context and word structure, making inferences and generalizations, using graphic organizers and note-taking, comparing and contrasting, summarizing, using text structure for recall, and analyzing information to create a report)
- refines previously learned knowledge and skills of the seventh grade with increasingly complex reading texts, assignments and tasks (including main ideas, supporting details, inferences, analysis of organization, and presentation of ideas)

### **Writing**

- knows and experiments with strategies suitable for a task (including brainstorming, using a graphic organizer, and listing ideas)
- uses an effective organizational pattern and substantial support to achieve a sense of completeness or wholeness (including considering ideas, sequencing events, voice, word choice and sentence fluency to clarify meaning)
- an understanding of the elements of style in writing, using composition as a vehicle (including purpose, audience, literary and rhetorical terms, syntax, voice, tone, mood, point-of-view, and diction)
- the use of technology for research and composition (including the media center and on-line sources)
- the use of research skills (including research projects and papers, criteria for and use of resources, MLA format, and plagiarism)
- proofreads writing to correct conventional errors in mechanics, usage, and grammar; analyzes and revises draft to further develop a piece of writing by adding or deleting details and explanations, clarifying difficult passages, and rearranging words, sentences, and passages to improve meaning and communicate information and ideas effectively



### **Literature**

- identifies universal themes in various types of literature
- compares and contrasts themes, characters, settings, plots, conflicts and their resolutions in a variety of texts
- recognizes irony, infers mood, analyses and describes the use of symbolism and figurative language in fiction or nonfiction
- reads literature for personal pleasure

### **Listening, Viewing, and Speaking**

- the use of listening, viewing, and speaking strategies to give effective class presentations, recitals of memorized materials, and speeches
- an understanding of the power of language and using language in authentic contexts



## MATHEMATICS

### **Advanced Math 6**

Open to grade 6

Prerequisite: Grade of “C” or higher in Math 5

Description: The purpose of this course is to provide a solid foundation for all levels of math and to develop the skills needed to solve real world problems. The content includes but is not limited to the following:

- operations with integers
- dividing positives, negatives, and decimals
- adding, subtracting, multiplying and dividing fractions ( including positive and negative fractions)
- using percents (i.e. better buy, sales, discounts, tips, sales tax)
- converting fractions, decimals, and percents
- adding and subtracting like terms including fractions, decimals, percents
- the introduction of squares and roots
- basic equations including the distributive property, substitution, fractions, decimals, percents, and inverse operations
- measurements ( inches, yards, feet, and the memorization of common units)
- one step dimensional analysis
- perimeter, area, and circumference
- the introduction of inequalities
- graphing on number lines
- order of operations
- scientific notations
- basic geometry including points, lines, and angles
- methods of estimation and how to determine when estimation is appropriate
- the introduction of proportions and ratios



## Algebra Readiness

Open to grades 6 and 7

Prerequisite: **For rising 6<sup>th</sup> graders**, an average of 88 or higher in Math 5 along with review of test scores and teacher recommendations

**For rising 7<sup>th</sup> graders**, Grade of “C” or higher in Math 6

Description: This purpose of this course is to develop the mathematical concepts and processes that can be used to solve a variety of real-world and mathematical problems, with emphasis on strengthening the skills and concepts needed for future success in Algebra I. The content includes but is not limited to the following:

- order of operations
- formulas
- algebraic expressions
- simplify fractions
- mixed numbers and improper fractions
- add/ subtract fractions
- multiply fractions
- reciprocals
- divide fractions
- add/ subtract decimals
- multiply decimals
- divide decimals
- convert fractions/ decimals
- convert percents to fractions/ decimals
- convert fractions/ decimals to percents
- find the percent of a number
- order rational numbers
- add/ subtract rational numbers
- addition properties
- multiply/ divide rational numbers
- multiplication properties
- distributive property
- graph in coordinate plane
- graph linear equations
- graph horizontal/ vertical lines



## Pre-Algebra

Open to grades 7 and 8

Prerequisite: **For rising 7<sup>th</sup> graders**, a Grade of “C” or higher in Algebra Readiness or a demonstrated ability along with test scores and teacher recommendations to move with 88 or higher from Advanced Math 6.

**For rising 8<sup>th</sup> graders**, Grade of “C” or higher in Algebra Readiness or 7<sup>th</sup> grade math course.

Description: This purpose of this course is to develop the mathematical concepts and processes that can be used to solve a variety of real-world and mathematical problems, with emphasis on strengthening the skills and concepts needed for success in Algebra I. The content includes but is not limited to the following:

- structure and properties of the real number system; interpreting and utilizing number lines
- graphing proportional relationships in the coordinate plane; identifying the unit rate as the slope of a linear function.
- identifying direct and inverse variation relationships
- operations on integers and rational numbers; converting rational numbers
- graphing in the coordinate plane
- applying the properties of equality to solve linear equations and inequalities with rational coefficients in one variable
- identifying proportional relationships, such as ratios, rates, and percents,
- using proportions to solve real-life problems, such as using similar figures, constant speed, scale drawings, and problems about percents
- using descriptive statistics including measures of central tendency. Students will interpret various representations and the appropriateness of each in various contexts
- finding probability of simple independent and dependent events, expressed as various rational
- forms
- relating changes in dimension to changes in area, perimeter, surface area, or volume
- simplifying and using square roots at an introductory level



## **Algebra I**

Credit: 1 (Year)

Open to grade 8

**Prerequisite:** Grade of “C” or higher in Pre-Algebra or a demonstrated ability along with test scores and teacher recommendations to move with 88 or higher from Algebra Readiness 7.

**Description:** The purpose of this course is to provide a rigorous and in-depth study of algebra, emphasizing deductive reasoning skills as a foundation for more advanced mathematic courses and to develop the skills needed to solve real world and mathematical problems. The content includes, but is not limited to the following:

All students must have a TI-30XIIS calculator.

- addition, subtraction, multiplication, and division of real number and terms with exponents
- solving equations (including decimals, percents, fractions, like terms, roots, parentheses, brackets, and braces – using the order of operations)
- direct and inverse variation
- solving/writing linear equations (slope-intercept form, point-slope form, standard form, x and y intercept, parallel and perpendicular lines)
- graphing linear equations and functions
- solving and graphing inequalities (single step, multi-step, and compound)
- systems of linear equations and inequalities (graph and check, substitution, and linear combinations)
- absolute value
- growth and decay functions
- quadratic equations and functions
- addition, subtraction, multiplication, and division(factoring) of polynomials
- ratio and proportion, percents, rational expressions
- simplest radical form
- application of Pythagorean theorem for distance formulas
- problem solving
- tables and graphs
- standardized test taking strategies and activities



## **SCIENCE**

### **Advanced Life Science**

Open to grade 6

Prerequisite: None

Description: The purpose of this course is to expand understanding and increase experiences regarding the fundamental aspects of life. By studying ideas of matter and energy, the building blocks of nature, and ecological concepts, students will become aware of the beauty, diversity, and order of God's handiwork. Students will utilize scientific information to uncover real-world applications through the use of demonstration, science projects, reports and various "hands-on" activities. The content includes but is not limited to the following:

- scientific method and measurements
- classification of living things
- cell structure and activities
- concepts of plant and animal kingdoms
- nature and the environment
- structure and function of the human body

### **Advanced Earth and Space Science**

Open to grade 7

Prerequisite: Grade of "C" or higher in Life Science

Description: The purpose of this course is to provide opportunities for the study of general concepts, theories, and processes relating to the earth/space sciences, and their applications through the use of technology, exploratory investigations and activities. The content includes but is not limited to the following:

- astronomy
- meteorology
- oceanography
- geology



## **Advanced Physical Science**

Open to grade 8

Prerequisite: Grade of “C” or higher in Science 7

Description: The purpose of this course is to expand understanding and increase experiences in the physical sciences. Through the study of forces of energy, and principles of chemistry and physics, students are enabled to form a basis for further exploration into the discovery of God’s world. In addition to traditional learning strategies, the course is designed to allow students to utilize scientific information to uncover real-world application through the use of demonstration, science projects, reports and various “hands-on” activities. The content includes but is not limited to the following:

- scientific method and measurement
- atomic structure and periodic table
- formulas and equations of chemicals and reactions
- Newton’s laws of motion
- simple machines
- energy, sound and light
- processes that shape the Earth
- processes of life



## **HEALTH AND PHYSICAL EDUCATION**

### **Physical Education and Health**

Open to grades 6-8

Prerequisite: None

Description: The purpose of this course is to develop competence in physical fitness, body management, throwing and catching, skills related to striking with the body, and skills related to striking with objects. The content includes but is not limited to the following:

- health and safety practices
- relationships between physical education and other disciplines
- assessment of health-related fitness
- components of fitness
- evaluation of physical activities in terms of fitness value
- physiological principles and their application to maintaining and improving health-related fitness
- contributions of exercise, nutrition, and rest to fitness
- mechanical principles of human movement
- movement concepts of body awareness, spatial awareness, effort qualities, and relationships
- skill improvement
- strategy applications for physical activities
- positive participation in physical education



## **SOCIAL STUDIES**

### **Advanced World Cultures and Geography**

Open to grade 6

Prerequisite: None

Description: The purpose of this course is to enable students to understand that the world is comprised of many diverse cultural groups who have made significant contributions to our past and present. Students will understand the shared characteristics among various cultural groups. The content includes but is not limited to the following:

- characteristics of a cultural group
- development of cultural societies
- the complexity of global issues
- the elements of culture and how social scientists use the concept of culture to study humankind
- the importance and causes of cultural diversity, including the assumptions and values that underlie ethnocentric and stereotypic views
- the sources, forms, dynamics, and consequences of social and cultural change and the persistence of general patterns of behavior
- recognition of world political regions in terms of location, physical characteristics, population and culture, historical change, economic activity, and land use
- use of maps, globes, charts, graphs, and other tools of geography to gather and interpret data and to draw conclusions about physical and human patterns
- ability to locate and describe the physical and cultural features of political regions
- an understanding of the relationships between physical and cultural environments
- an understanding of the relationship between economic development and the use and conservation of natural resources
- analysis of the interaction of humans and the physical environment as influenced by culture, technology, migration, and skill



## **Advanced United States History A**

Open to grade 7

Prerequisite: None

Description: The purpose of this course is to increase each student's knowledge and understanding of the people, places and events that shaped the history of our great nation. Students will examine the history of the United States from the time period of the early Native Americans through the beginning of the Civil War. The content includes but is not limited to the following:

- political, economic, technological, and social development of the United States from the Exploration Period through the Civil War, with special emphasis on Florida's role
- time-space relationships
- the impact of expansion on the development of America
- political, social, and economic conflicts and compromise
- the influence of diverse groups on cultural development of the United States
- key concepts of the U.S. Constitution and other historical documents
- the difference between governmental styles before and after the Revolutionary War
- the major causes and consequences of the Revolutionary War
- the creation, approval, and the amendment process of the US Constitution
- the basic beliefs of all Americans (life, liberty, pursuit of happiness, the common good, justice, equality, diversity, truth, popular sovereignty, patriotism)
- the values and structure upon which the American government was based
- the expansion Westward
- the difference between the social and economic development of the North and the South between 1789-1850

## **Advanced United States History B**

Open to grade 8

Prerequisite: None

Description: The purpose of this course is to increase each student's knowledge and understanding of the people, places and events that shaped the history of our great nation. Students will examine the history of the United States from the time period of the Revolutionary War through the modern era of American civilization. The content includes but is not limited to the following:

- political, economic, technological, and social development of the United States from the Civil War to present, with special emphasis on Florida's role
- time-space relationships
- the basic beliefs of all Americans (life, liberty, pursuit of happiness, the common good, justice, equality, diversity, truth, popular sovereignty, patriotism)



- the values and structure upon which the American government was based
- the impacts of the Jacksonian era
- the major causes of the Civil War; differences between the North and the South during the Civil War
- the major events of the Civil War (1861- 1865) and the impact of the Civil War on the nation
- the Reconstruction period and Industrialism
- World War I and World War II
- the 1920s: A decade of change and the Great Depression
- recovery and the Cold War