

Dear Students,

DaySpring Academy offers a wide variety of academic and arts courses for high school students. There is a long list of traditional academic classes as well as more vigorous Honor courses, which can boost a student's GPA and help prepare them for college courses in that area. Several of the electives are offered on a rotating schedule to allow for more options over the four years. We also have excellent training in the areas of music, dance, performing arts, fine arts and technical theatre.

This catalog is meant to help you select the courses that are the best fit for your interests, talents and goals. Choosing the courses for your high school years is an important task that you should do thoughtfully with your parents.

When planning you should consider:

What courses are required for graduation?

When will you take each required course?

What are your interests and areas in which you wish to develop?

What courses are best suited to your goals?

Teachers and the Academy Director are available and happy to help you make wise choices. I encourage you to schedule an appointment with the teachers or the Academy Director at the end of each school year to answer your questions and help you with a plan for the upcoming school year.

High School is an exciting time to explore new interests, strengthen your weaknesses, and dive into your passions. At DaySpring, we endeavor to help you move forward toward achieving your goals in all those areas.

Sincerely,

Angie Mather

Angie Mather
DaySpring Academy Director

SCIENCE CLASSES

Science materials and books are covered by a materials fee

Class Title Years Offered	When	Requirements	Texts Used	Description
Chemistry I 2021-2022 2023-2024	MWF 10:15-11:30am	9 th thru 12 th <u>Prerequisite</u> Algebra	Chemistry Matter and Change	This class offers integrated support, abundant opportunities for problem solving, and a variety of realistic applications. The program has a balance of good conceptual presentation with a strong problem-solving strand. It is full of Launch Labs, Mini Labs and Physical Labs. The integrated support includes videos, tutorial instruction, quizzes and vocabulary.
Chemistry II* 2020-2021 2022-2023	MWF 10:15am-11:30am	9 th thru 12 th <u>Prerequisite</u> Chemistry I	Chemistry Matter and Change	This is a continuation of the study that students did in Chemistry I. Students will broaden their study of chemistry exploring topics such as gas laws, reaction rates, equilibrium, acids and bases, electrochemistry, biochemistry, and more.
Anatomy & Physiology 2021-2022 2023-2024	MWF 10:15-11:30am	11 th or 12 th <u>Prerequisite</u> Biology	G-W Introduction to Anatomy and Physiology	This course is designed to be an advanced study of the human body for older high school students who are interested in science and health. Topics include anatomical structures, physiological systems, and body functions. Students will apply the principles of physiology to human health and evaluate the applications and career implications of physiology and anatomy principles. Anatomy and Physiology includes hands-on laboratory investigations using appropriate scientific inquiries.
Physics* 2020-2021 2022-2023	MWF 10:15am-11:30am	11 th or 12 th <u>Prerequisite</u> Algebra II (either have taken or be taking)	Glencoe Physics Principles & Problems	This class offers integrated support, abundant opportunities for problem solving, and a variety of realistic applications. The program has a balance of good conceptual presentation with a strong problem-solving strand. It is full of Launch Labs, Mini Labs and Physical Labs. The integrated support includes videos, tutorial instruction, quizzes and vocabulary.
Biology* 2020-2021 2022-2023	MWF 9am-10:15am 10:15am-11:30am	9 th thru 12 th	Glencoe Science Biology	This program's comprehensive content is made relevant to students through engaging real-world contexts. A wide variety of lab experiences builds strong inquiry skills. Its online component offers tons of study helps and interesting videos and tutorials to help bring the content to life.

MATH CLASSES

Math materials and books are covered by a materials fee

Class Title Years Offered	When	Requirements	Texts Used	Description
Algebra I Offered Every Year	MWF 9:00-10:15am	Various Grade Levels <u>Prerequisite</u> PreAlgebra	Connected Mathematics Green Books	CMP is a problem-centered curriculum in which quantities or variables naturally arise in the context of a problem. In this curriculum, it makes sense to think about how variables are related, how they can be represented, and the information we can get from the way they are represented. Students will study linear relationships, Exponential relationships, Quadratic relationships, inverse variation models, Pythagorean Theorem and Converse, as well as how to solve linear systems and systems of inequalities.
Geometry Offered Every Year	MWF 10:15am 11:30am	9 th thru 12 th <u>Prerequisite</u> Algebra I	UCSMP Geometry	The main goal of UCSMP Geometry is to provide students with a clear understanding of two-dimensional and three-dimensional figures and the relationships among them. The integration of algebra and geometry starts in the first chapter with the introduction of the coordinate geometry of lines. This coincides with the belief that students will have a better grasp on geometric concepts when they are taught in relation to algebraic skills they have already learned.
Advanced Algebra* Offered Every Year	MWF 9:00-10:15am	9 th thru 12 th <u>Prerequisite</u> Algebra I	UCSMP Advanced Algebra	Both the content and the logical approach begun in UCSMP Geometry are applied. A review of linear functions and systems utilizes geometric properties of points, lines, and planes. Terms are carefully defined and theorems proved. Formulas and graphs of functions are examined using reflections, translations and scale change transformations. Congruence and symmetry are applied to the study of triangle trigonometry. Geometric applications and representations of all matrix operations are presented.
Functions, Statistics and Trigonometry* Offered Every Year	MWF 9:00-10:15am	11 th or 12 th <u>Prerequisite</u> Algebra II & Geometry	UCSMP Functions, Statistics and Trigonometry	The goal of Functions, Statistics, and Trigonometry is to present topics from these three areas in a unified way to help students prepare for everyday lives and future courses in mathematics. Spreadsheet, graphing and CAS technology are employed to enable students to explore and investigate, and to deal with complicated functions and data. This text extends student knowledge of linear, quadratic, exponential, logarithmic, polynomial and trigonometric equations and functions, with a new focus on statistical modeling.
PreCalculus and Discrete Mathematics* Offered Every Year	MWF 9:00-10:15am	11 th or 12 th <u>Prerequisite</u> Trig and Statistics	UCSMP Precalculus and Discrete Mathematics	The goal of this course is to prepare students for calculus, broad ideas related to all continuous functions; and specific ideas related to polynomial, rational and trigonometric functions, and sequences and series are discussed. Limits are used in informal introductions to the derivative and the integral. Discrete mathematics includes logic and mathematical reasoning, mathematical induction and recursion, combinatorics, the analysis of networks, and systematic sorting methods that are important in computer science, business, economics, and the biological sciences.

SOCIAL STUDIES

Parents are responsible for directly purchasing social studies books

Class Title Years Offered	When	Requirements	Texts Used	Description
20th Century History 2021-2022 2023-2024	MWF 12:00-1:15pm	9th thru 12th <u>Prerequisite</u> Successful completion of 7th/8th grade social studies course	The History of the Modern World, What Everyone Should Know About the 20th Century, Our Century in Pictures	A comprehensive and informative history of the twentieth and twenty-first century, from the Wright brothers first flight at the beginning of the last century to the devastating damage wreaked by Hurricane Katrina and the trial and execution of Saddam. The Visual History of the Modern World is a concise and authoritative overview of this modern age: times of war, peace, prosperity and progress.
Psychology: From a Christian Perspective 2021-2022 2023-2024	MWF 9:00-10:15am First Semester	11th or 12th	Psychology from a Christian Perspective	This text introduces Christian high school students to the study of the human mind and prepares them for the worldview challenges embedded in modern psychology's theories and schools-of-thought. This elective helps students to evaluate naturalism, behaviorism, humanism, evolutionism, moral relativism and reductionism. The text covers the history of psychology, as well as current theories on motivation, emotion, development, memory, sensation, abnormal psychology, social psychology, treatment, and more, each chapter includes bolded keywords, a chapter summary, and review questions.
Understanding the Times: Worldviews 2021-2022 2023-2024	MWF 12:00-1:15pm First Semester	11th or 12th	Understanding the Times	This class will help students clearly understand the tenets of the Christian worldview, and how they compare with the tenets of the leading Western worldviews of our day: Islam, Secular Humanism, Marxism, New Age, and Postmodernism. Some of the issues covered include: abortion, apologetics, the arts, biotechnology, critical thinking, cults, euthanasia, leadership, radical environmentalism, radical feminism, the problem of evil, religious pluralism, scriptural reliability, and more. This class will incorporate reading, note taking, videos, projects and class discussions.
Civics 2020-2021 2022-2023	MWF 2:30-3:45pm	11th or 12th	Basic American Government is the main text. The teacher may also include supplemental texts.	The primary text, Carson's Basic American Government, presents both the founding documents and a brief history of the United States Government. Besides the Constitution, students read some of the key documents and speeches implementing the study of primary source documents. This class will study the Missouri Constitution alongside the US Constitution and briefly touch on Missouri Government. The course continues the study of our government through various administrations into current day politics.
Church History 2020-2021 2022-2023	MWF 12:00-1:15pm 2:30pm-3:45pm	9th thru 12th	100 Most Important Events in Christian History The Story of Christianity	This course teaches both traditional "Church History," as well as the expansion of the Gospel from the early days in the Roman Empire until now. The foundational text of this program, The Story of Christianity, is co-authored by a Catholic and a Protestant-providing a s balanced a point of view as possible. "For Christians and non-Christians alike, the story of Christianity is a major part of the world's history. The Christian faith has affected every sphere of life, from morality to politics, from art to literature, from science to philosophy."

LITERATURE & WRITING

Parents are responsible for directly purchasing language arts books

*All of our literature classes also incorporate writing, grammar and vocabulary studies.

Class Title Years Offered	When	Requirements	Texts Used	Description
20th Century Literature and Writing 2021-2022 2023-2024	MWF 2:30-3:45pm	9 th thru 12 th <u>Prerequisite</u> Successful completion of Jr. High social studies course	Selection of books chosen by teacher	This thoughtful program of 20th century classics takes you on a tour of great writing for the last century. Students will tackle some difficult classics, intermixed with lighter, uplifting works for good variety. This class will include some poetry and Shakespeare as well. Along with delving into deeper themes and learning to analyze literature, students will continue to hone their writing skills and build their vocabulary.
British Literature and Analysis* 2021-2022 2023-2024	MWF 1:15-2:30pm	11 th or 12 th <u>Prerequisite</u> 20th Century or Classical Literature	Selection of books chosen by teacher	This survey of the key works of British Literature and literary analysis features a wide variety of forms and genres. Students will also continue to hone their writing skills and build their vocabulary. They will read works such as...The Great Divorce, Hamlet, Lord of the Flies and Beowulf.
Classic Literature & Writing 2020-2021 2022-2023	MWF 12pm-1:15pm 2:30-3:45pm	9 th thru 12 th	Selection of books chosen by the teacher.	This class has a general emphasis on great works mostly by British authors. It provides a mix of challenging and easier work, by males and females, in a range of genres. The range of genres, in this case, is especially rich: historical fiction, legend, short story, lyric poetry, detective stories, ghost story, Gothic romance, adventure, novel, allegory.
Shakespeare 2020-2021 2022-2023	MWF 1:15-2:30pm First Semester	11 th or 12 th <u>Prerequisite</u> 20th Century or Classical Lit	Selection of books chosen by teacher	Students will delve into a variety of Shakespeare's works. If time allows they will read a comedy, tragedy and history. Students will engage in exciting and challenging activities such as dressing up and presenting monologues, rewriting their own version of famous scenes and plots, and planning a Shakespeare Banquet.
Sci-Fi and Fantasy 2020-2021 2022-2023	MWF 1:15-2:30pm Second Semester	11 th or 12 th <u>Prerequisite</u> 20th Century or Classical Lit	Selection of books chosen by teacher	Worlds created by science and by imagination have long captured our attention. In Science Fiction we explore the limits of science. Science Fantasy mixes the possible with the imaginary. Fantasy takes us to universes full of magic and the supernatural. Students will journey into these worlds, contrasting them with everyday reality and searching for universal truths hidden within. Possible works used in the class are <i>Fahrenheit 451</i> , <i>Uglies</i> and <i>The Fellowship of the Ring</i> , and short various stories.

Academic Electives/Foreign Language

Elective class materials and books are covered by a materials fee

Class Title Years Offered	When	Requirements	Texts Used	Description
Computer Literacy 2021-2022 2023-2024	MWF 1:15-2:30pm Second Semester	9th thru 12th Required Computer with an internet connection and Microsoft Office.		Using Office-based applications list word processors, spreadsheets, presentation software and databases are a necessary part of nearly any job or career path. Additionally, knowing how to learn to use software and applications is an indispensable skill in today's ever-changing technology-driven environment. Through the use of web-based Google Applications, computer-based Microsoft Office or OpenOffice, open source GIMP and other free applications and programs, students in this class will learn valuable skills for both using office-type applications and learning new applications in a confident manner. This project-based class will include real-world simulations in using the various types of software as well as shorter projects geared toward getting students comfortable with experimentation and exploration.
Public Speaking 2021-2022 2023-2024	MWF 12:00-1:15pm Second Semester	11th or 12th		Students are introduced to public speaking as an important component of their academic, work, and social lives. They 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. Students learn to choose speaking topics and adapt them for specific audiences, to research and support their ideas, and to benefit from listener feedback. They study how to incorporate well-designed visual and multimedia aids in presentations. Students also learn about the ethics of public speaking and about techniques for managing communication anxiety.
Spanish I Offered Every Year	MWF 12pm-1:15pm	9th thru 12th	Selected novels in Spanish	This course includes a lot of hands on activities, written practice, and conversation. Throughout the year students also get an opportunity to learn about Spanish culture and the diversity even within the Spanish language. This class is appropriate for beginners with no Spanish background as well as those returning from our SpringBoarders' Introduction to Spanish classes.
Spanish III/IV* Offered Every Year	MWF 9:00-10:15am	9th thru 12th	Selected novels in Spanish	This is an immersion course for advanced students. Students will learn to use the language more fluently while still reading and writing the language and incorporating grammar lessons. This class requires that students have at least two full years of Spanish or have a strong background in Spanish. This class also includes a Friday practicum where students help teach an elementary Spanish class.
Health 2020-2021 2022-2023	MWF 12:00-1:15pm First Semester	11th or 12th	Health Smart	This health program promotes healthy growth and development and gives skills for making healthy choices that will affect lifelong behavior patterns and the quality of their adult lives. Students will be covering Physical health and Emotional health.

Personal Finance 2020-2021 2022-2023	MWF 12:00-1:15pm Second Semester	11th or 12th	Dave Ramsey's Foundations Curriculum for Schools	Dave Ramsey's <i>Foundations in Personal Finance</i> curriculum will teach students how to avoid debt, budget with intention, invest, and build wealth. It is a practical course with a lot of applications specifically for older teens.
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****This class is a more challenging class and is weighted as an Honors class; meaning that students receive more credit for the class.***

CLASSES IN THE ARTS/EXTRA CURRICULAR

**All classes listed above are worth elective/arts credits on your high school transcript.*

Visual Art Department

The Fine Arts Department is based on professional and high-quality training to encourage every artist in their own creativity. We offer training in a variety of mediums including drawing, painting, ceramics and other media. With qualified and experienced teachers, our goal is to develop the students' creativity as we equipping them with the tools and understanding about the elements of visual art. This is done by examining great works of art, discussing the important elements in them, and applying those elements to the student's own projects.

Performing Arts Department

The performing arts department will give the dramatic student training, focus and outlet that they absolutely need! Involvement in the arts challenges and develops all students, but training those with that creative bent develops much needed self-control and discipline. High standards are set and training motivates students to reach for their goals. They will gain important theatrical and performance skills as well as experience, developing character traits and life skills along the way. They develop pride in their accomplishments, at the same time having been taught humility by encouraging and supporting one another. Self-confidence builds as they present themselves in the theatre or on the stage of life. Preparation and responsibility are learned from the start to the end of a project, while they learn to focus, listen, watch and think!

Musical Theatre	Drama	Musical Theatre Techniques
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Technical Theatre

In addition to class time, students in all tech classes gain much of their training during required involvement in hands on training to build sets and work with tech instruments, achieving certification to progress in the classes. These include about 10 Saturday Work days to construct, tech weeks of performances, including "strike" at the end, and portfolio review at the end of the school year.

Tech Theatre	Stage Management	Costuming Club
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Dance Department

DaySpring's Dance Department is based in classical ballet to provide a strong solid foundation in strength, precision and grace. From the earliest classes to the most advanced levels, students are learning age appropriate technique and artistry with excitement and appreciation for the art of dance. Our goal is excellence: in training methods, student performance, character. Through dance, we instill lifelong qualities such as self-discipline and perseverance, learning to receive instruction, and ability to work as a team and our class environments foster self-confidence and a deep appreciation for the artistry and beauty. Our curriculum is designed for students to spend up to two years in each level.

Ballet/Pointe	Tap	Jazz	Modern	Conditioning/Pilates
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Music

DaySpring's Music Department is built on the experience of professional musicians in the St. Louis area. Through both class and one-on-one study, students learn not only artistry and musicality, but critical thinking and problem solving by exploring practice skills, focus, attention development, time management and thought organization. Along with private studio lessons, we also offer music classes and group ensemble opportunities to develop their interest and potential as they explore the world of music with others.

Advanced Vocal Ensemble	Wind and Percussion Ensemble	String Ensemble	Studio Lessons
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