

DEMOTTE CHRISTIAN



H I G H S C H O O L

2025-2026

**Graduation Requirements
&
Course Catalog**

SCHOOL MISSION STATEMENT

DeMotte Christian High School provides a Biblically-based education from a Reformed perspective and is dedicated to academic excellence, spiritual growth, and service to God and others.

GRADUATION REQUIREMENTS

1. A DeMotte Christian diploma will be awarded upon completion of four years of high school attendance, completion of all required courses with a passing grade, completion of a minimum of 44 high school credits, and passing state-required Graduation Qualifying Exams.
2. Credits are granted on a semester basis. One credit is granted for each semester that a course is completed and passed.
3. Students who do not complete the requirements for a diploma may receive a DeMotte Christian Certificate of Attendance, certifying four years of high school attendance.
4. Graduation will occur annually at the completion of the school year.

DIPLOMA GRANTED

In recent years, the Indiana Board of Education has made a number of adjustments to the requirements for the diplomas Indiana Indiana-accredited schools may grant. These are minimal state-mandated requirements. DeMotte Christian recognizes these requirements and also has some additional requirements for graduation. The following pages give more details about the specifics of the different diplomas granted by DeMotte Christian High School and the State of Indiana diploma requirements.

Students at DeMotte Christian are able to earn the following diplomas:

1. Core 40 with Academic Honors Diploma – 52 credits minimum
2. Core 40 Diploma – 48 credits minimum
3. General High School Diploma – 44 credits minimum

The minimum requirement to graduate from high school in Indiana has become the Core 40 Diploma. There is still a process to opt out to graduate with an Indiana General High School Diploma.

DEMOTTE CHRISTIAN HIGH SCHOOL DIPLOMAS (Class of 2026-2027-2028)			
	Core 40 With Academic Honors *	Core 40	General
English / Language Arts	8 credits	8 credits	8 credits
	2 credits: English 9 2 credits: English 10 1 credit: American Literature 1 credit: English Literature 2 credit: Other Core 40 LA	2 credits: English 9 2 credits: English 10 1 credit: American Literature 1 credit: English Literature 2 credits: Other Core 40 LA	2 credits: English 9 2 credits: English 10 1 credit: American Literature 3 credit: other Core 40 LA
Mathematics	8 credits	8 credits (or 6 Math plus 2 Quantitative Reasoning)	4 credits
	2 credits: Algebra I or Geometry 2 credits: Geometry or Algebra II <u>2 credits: Algebra II or PreCalculus</u> 2 credits: PreCalculus or Calculus or 1 credit: Finite Math and 1 credit: Probability and Statistics	2 credits: Algebra I or Geometry 2 credits: Geometry or Algebra II <u>2 credits: Algebra II or PreCalculus</u> 2 credits: PreCalculus or Calculus or 1 credit: Finite Math and 1 credit: Probability and Statistics	2 credits: Algebra I or Geometry 2 credits: Geometry or Algebra II
Science	6 credits	6 credits	4 credits
	2 credits: Biology 2 credits: Chemistry 2 credits: other Core 40 Science	2 credits: Biology 2 credits: Chemistry 2 credits: other Core 40 Science	2 credits: Biology 2 credits: other Core 40 Science
Social Science	7 credits	7 credits	6 credits
	2 credits: World History 1 credit: Geography 2 credits: US History 1 credit: Economics 1 credit: Government	2 credits: World History 1 credit: Geography 2 credits: US History 1 credit: Economics 1 credit: Government	2 credits: World History 1 credit: Geography 2 credits: US History 1 credit: Government
Religion	4 credits	4 credits	4 credits
	1 credit: Church History 1 credit: Biblical Literature 1 credit: Ethics 1 credit: Modern World Views	1 credit: Church History 1 credit: Biblical Literature 1 credit: Ethics 1 credit: Modern World Views	1 credit: Church History 1 credit: Biblical Literature 1 credit: Ethics 1 credit: Modern World Views
World Languages	6 credits	4 credits	2 credits
	2 credits: Spanish I 2 credits: Spanish II 2 credits: Spanish III	2 credits: Spanish I 2 credits: Spanish II	2 credits: Spanish I
Fine Arts	2 credits	2 credits	2 credits
	2 credits: Some combination of Art, Band, or other fine arts class	2 credits: Some combination of Art, Band, or other fine arts class	2 credits: Some combination of Art, Band, or other fine arts class
Physical Education	2 credits	2 credits	2 credits
	1 credit: PE 9 1 credit: PE 10	1 credit: PE 9 1 credit: PE 10	1 credit: PE 9 1 credit: PE 10
Health & Wellness	1 credit	1 credit	1 credit
	1 credit: Health	1 credit: Health	1 credit: Health
Required Subtotal	44 credits	42 credits	33 credits
Elective Subtotal	9 credits	6 credits	11 credits
Total Credits	52 credits	48 credits	44 credits

* see page 2b for additional information regarding this diploma

Class of 2029– Pick one of the following:**DEMOTTE CHRISTIAN HS****Enrollment Seal Info**

Subject	Freshmen	Sophomores	Juniors	Seniors
English	2 credits: English 9 1 credit: Speech	1 credit: Biblical Literature	1 credit: English 11 1 credit: English ELA	1 credit: English 12 1 credit: English ELA
Math	2 credits: Algebra or Geometry	2 credits: Geometry or Algebra II	2 credits: Algebra II or Pre-Calculus 1 credit: Personal Finance	2 credits: Pre-Calculus, Finite, Calculus, or Statistics
Science	2 credits: Biology	2 credits: ICP or Chemistry	2 credits: Chemistry; Physics; Advanced Lab; A&P; or Forensics	
IND Class Requirements	1 credit: Computer Science (8th or 9th grade) 1 credit: Prep C & C (8th or 9th grade)			
Social Science	2 credits: Geography and History of the World	2 credits: US History		1 credit: Government 1 credit: Economics
PE/Health	1 credit: PE 1 credit: Health			
Fine Arts	2 credits: Fine Arts			
Religion	1 credit: Church History		1 credit: Ethics	1 credit: Modern Worldviews
World Language		2 credits: Spanish I	2 credits: Spanish II	

Electives	10 elective credits
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Additional Requirements:

- Complete all courses with a C or higher and a cumulative 3.0 GPA
- Complete one of the following (2 main choices):
 - 6 college credits in dual credit classes (or a combination of college credits and AP credits (with exam)
 - One course must be in English, Math, Science, or Social Science
 - Score 1250 on SAT or 26 on ACT



DEMOTTE CHRISTIAN HS

Employment Seal Info

Subject	Freshmen	Sophomores	Juniors	Seniors
English	2 credits: English 9 1 credit: Speech	1 credit: Biblical Literature	1 credit: English 11 1 credit: English ELA	1 credit: English 12 1 credit: English ELA
Math	2 credits: Algebra or Geometry	2 credits: Geometry or Business and Technical Math	2 credits: Business and Technical Math 1 credit: Personal Finance	
Science	2 credits: Biology	2 credits: ICP	1 credit: STEM	1 credit: STEM
IND Class Requirements	1 credit: Computer Science (8th or 9th grade) 1 credit: Prep C & C (8th or 9th grade)			
Social Science	2 credits: Geography and History of the World	2 credits: US History		1 credit: Government
PE/Health	1 credit: PE 1 credit: Health			
Fine Arts	2 credits: Fine Arts			
Religion	1 credit: Church History		1 credit: Ethics	1 credit: Modern Worldviews
World Language		2 credits: Spanish		
Electives	CTE (6 credits) & 5 elective credits			

Additional Requirements

- Complete 6 credits in a CTE Pathway with a C average across those 6 classes
 - Choices are the Business Administration Pathway OR the Agri-Science; Animal Pathway
- Complete 150 hours of Work-Based Learning
 - Internship; Cadet Teaching are examples of our current WBL
 - OR a part-time job (summer or after school hours)
- Demonstrate communication, collaboration, and work ethic skills through evaluation
- Complete one of the following:
 - At least one full school year with no more than 3 days of unexcused absences
 - OR at least 150 hours of work-based learning experience with no more than 3 unexcused absences



DEMOTTE CHRISTIAN HS

Enlistment Seal Info

Subject	Freshmen	Sophomores	Juniors	Seniors
English	2 credits: English 9 1 credit: Speech	1 credit: Biblical Literature	1 credit: English 11 1 credit: English ELA	1 credit: English 12 1 credit: English ELA
Math	2 credits: Algebra or Geometry	2 credits: Geometry or Business and Technical Math	2 credits: Business and Technical Math 1 credit: Personal Finance	
Science	2 credits: Biology	2 credits: ICP	1 credit: STEM	1 credit: STEM
IND Class Requirements	1 credit: Computer Science (8th or 9th grade) 1 credit: Prep C & C (8th or 9th grade)			
Social Science	2 credits: Geography and History of the World	2 credits: US History		1 credit: Government
PE/Health	1 credit: PE 1 credit: Health			
Fine Arts	2 credits: Fine Arts			
Religion	1 credit: Church History		1 credit: Ethics	1 credit: Modern Worldviews
World Language		2 credits: Spanish		
Electives	Introduction to Public Service (1 credit) & 6 elective credits			

Additional Requirements

- Complete the Introduction to Public Service class (online)
- Complete the ASVAB and
 - Earn a score of 31 or higher
 - Provide evidence of use of THEIR Career Exploration Program
 - Complete the post-test interpretation with a trained facilitator
- Demonstrate communication, collaboration, and work ethic skills through a mentorship experience with one of the following:
 - Actively duty member
 - National Guard member
 - Veteran
 - Law Enforcement Officer
 - Firefighter
 - Or other defined public servant by IC35-31.5-2-261
 - Documentation requirements for this are TBD
- Complete at least one school year with no more than 3 days being unexcused absences

Religion Philosophy Statement and General Goals

Philosophy:

Religion is taught at DMCHS as a means to enhance what is already being taught to the students in the Christian home and church. Students are challenged to become discerning readers of God's Word and to make application of the teachings and doctrines of Scripture to their own lives. In a world increasingly adrift and subject to all manner of false teachings, it is crucial for students to diligently study God's Word and develop a Biblical world and life view.

General Goals - In Religion classes, our students will:

1. Develop as informed readers of God's Word.
2. Apply God's Word to various areas of their lives.
3. Develop a Biblical world and life view.
4. Compare the truths of Scripture to various false teachings historically and in the world today.
5. Learn how to defend the faith from various attacks.

Religion I – Topics in History: Church History (IN 1538)

1 credit, 1 semester

Required

Bible 9 focuses from the time of Christ and his Apostles to the present. The aim of this class is to show the progression of the faith as historical events and varied interpretations have helped shape the church. This class should not be solely based in the past though. Students should take an active role in assessing their own faith walks through the many people, events, and issues that are brought up throughout the semester class. The study of the Christian faith should help reveal what it is Christians stand for and what our role in the world should be.

A Core 40 and Core 40 with Academic Honors course

Religion II – Biblical Literature (IN 1022)

1 credit, 1 semester

Required (Counts as an Elective for all Indiana Diplomas)

This course is a study of the different genres within the Bible. Specific genres will include Pentateuch, Histories, Psalms, Wisdom, Prophets, Gospels, Epistles, and Apocalyptic. Students will read selected books from the Old and New Testaments and determine how they would be received by the ancient hearers as well as how we can still understand their message thousands of years later. Students will look at literary features within select types of biblical literature which enhance the reading of these books.

Overall Course Goals include:

1. Students will be able to provide evidence that supports the claim 'the two testaments work together to give us a complete picture of Jesus.'
2. Students will be able to provide evidence that supports the claim 'the two testaments work together to give us a complete picture of Ourselves.'
3. Students will be able to analyze a text of scripture in light of historical & textual criticism.
4. Students will be able to evaluate their understanding of reality in light of a Biblical Worldview.

A Core 40 and Core 40 with Academic Honors course

Religion III – Christian Ethics

1 credit, 1 semester

Required

Students examine various systems of morality and compare them to Judeo-Christian principles of behavior as found in the Old and New Testament law. Students then apply these Christian ethical principles to prevailing social problems and to difficult personal problems. The course is divided into three main parts.

1. The first part defines morality, creating a context for the rest of the course.
2. The second part raises issues of decision-making – how to make moral choices. It also includes a study of the Old and New Testament Law.
3. The third part considers some significant issues being debated in our world. Some issues deal with work, racism, wealth & poverty, medical ethics, and human sexuality.

Religion IV – Topics in Social Science: Modern World Views (IN 1550)

1 semester, 1 credit

Required (Counts as an Elective for all Indiana Diplomas)

This course is a study of religion in the modern world. It will look at differing worldviews which are present in our society. Course topics will include a study of the world's religions and cults, and the philosophical movements which undermine Christian truth. A major component to the course will be developing an apologetic (defense) of Christian truth against these worldviews.

A Core 40 and Core 40 with Academic Honors course

Fine Arts Philosophy Statement and General Goals

Art Philosophy:

God, the Master Artist, created the world of awe, beauty and inspiration for us to glorify Him through the creativity of our minds and hands. As God's artists we glorify Him with works of art revealing His truth without the use of words. We strive to develop in our students their God given gifts to glorify God and lead others to appreciate the magnificence of this world.

General Goals – In Art classes, our students will:

1. Develop God given gifts through the use of traditional and contemporary media.
2. Learn the history and terminology behind the visual arts and the importance of each discipline.
3. Glorify God through each new medium learned.
4. Appreciate the various types of art and how each can praise, glorify and communicate God's world.
5. Learn to appreciate and value each other's works of art and the personal growth that comes through understanding others' creativity and ideas.
6. Develop an understanding and appreciation of concepts, design and elements used as each student matures in his abilities to express himself individually.

Music Philosophy:

Music can influence, comfort, entertain, and enrich worship. God created music and entrusted this gift to us. We are to use it, and benefit others with it. Students are to treat the gift of music responsibly and respectfully. Students are to develop their individual musical skills and increase their musical knowledge. Students are to return this gift to God by using music to express their love and devotion to Him.

General Goals - In Music classes, our students will:

1. Experience music of different styles, cultures and eras.
2. Develop their technical skills.
3. Perform in solo, small ensemble and large ensemble settings.
4. Learn how to use music in worship.

Art I – Introduction to Two-Dimensional Art (IN 4000)

1 semester, 1 credit

Elective

A basic course in the elements of art and the principles of design using various media; especially drawing methods. Students taking Introduction to Two-Dimensional Art engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production.

Additionally, students: (1) create works of art, (2) reflect upon the outcomes of those experiences, (3) explore historical connections, (4) write about the process, (5) make presentations about their progress at regular intervals, (6) work individually and in groups, (7) find direct correlation to other disciplines, and (8) explore career options in visual art.

A Core 40 and Core 40 with Academic Honors course

Art II – Introduction to Three-Dimensional Art (IN 4002)

1 semester, 1 credit

Elective

Students taking Introduction to Three-Dimensional Art engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production and lead to the creation of portfolio quality works.

Within this context students: (1) create works of art, (2) reflect upon the outcomes of those experiences, (3) explore historical connections, (4) write about the process, (5) make presentations about their progress at regular intervals, (6) work individually and in groups, (7) find a direct correlation to other disciplines, and (8) explore career options in visual art. Students also utilize art museums, galleries, studios, and/or community resources in their studies.

A Core 40 and Core 40 with Academic Honors course

Beginning Concert Band (IN 4160)

1 semester, 0.5 credits

Elective

Band is the instrumental music course, emphasis is on improving musicianship, learning to work as part of a group and improving skills on each individual's instrument.

A Core 40 and Core 40 with Academic Honors course

This course may be taken for successive semesters.

Beginning Chorus (IN 4182)

1 semester, 0.5 credits

Elective

The goals of choir are: to equip each student with the ability to praise God with the talents that God has given them; to understand the difference between melody and harmony lines of music; and to understand the lyrical content of what the composer wants for a message. During the course of the year, different music styles are incorporated into the song selection, thereby giving the student a more rounded music experience.

A Core 40 and Core 40 with Academic Honors course

First semester Choir is, in general, a prerequisite for second semester choir.

This course may be taken for successive semesters.

Music History and Appreciation (IN 4206)

Elective - 1 credit per semester

Music History and Appreciation is based on the Indiana Academic Standards for Music and standards for this specific course. Students receive instruction designed to explore music and major musical styles and periods through understanding music in relation to both Western and Non-Western history and culture. Activities include analyzing and describing music; evaluating music and music performances; and understanding relationships between music and the other arts, as well as disciplines outside of the arts.

Theater Arts (IN4242)

Elective - 1 credit per semester

Theatre Arts is based on the Indiana Academic Standards for Theatre. Students enrolled in Theatre Arts read and analyze plays, create scripts and theatre pieces, conceive scenic designs, and develop acting skills. These activities incorporate elements of theatre history, culture, analysis, response, creative process, and integrated studies. Additionally, students explore career opportunities in the theatre, attend and critique theatrical productions, and recognize the responsibilities and the importance of individual theatre patrons in their community.

Health and Physical Education Philosophy and General Goals

Philosophy:

The Bible makes it clear that our bodies are important to God. They are temples through which we praise and serve Him. We strive to build and maintain our health, fitness, sports skills and the ability to make responsible decisions about the use and care of our bodies both now and in the future. This will be done by providing students with opportunities to explore the effect of health behaviors on an individual's quality of life.

General Goals - In Health and Physical Education classes, our students will:

1. Analyze individual risk factors and health decisions that promote health and prevent diseases.
2. Be encouraged to assume responsibility for becoming competent and stewardly health consumers.

Physical Education I (9) (IN 3542)

1 semester, 1 credit

Required

Units covered in this program may include: soccer, team handball, football, hockey, badminton, basketball, volleyball, softball, backyard games (i.e., bocce ball, horseshoes) and self defense.

A Core 40 and Core 40 with Academic Honors course

Physical Education II (10) (IN 3544)

1 semester, 1 credit

Required

Units covered in this program may include: golf, Frisbee golf, pickle ball, basketball, volleyball, badminton, line dance, table tennis, bowling, tennis, cycling and indoor soccer.

A Core 40 and Core 40 with Academic Honors course

Elective Physical Education (IN 3560)

1 semester, 1 credit

Elective

The emphasis in the elective class is on lifetime fitness. Units will be the further development of the units introduced in PE 9 and PE 10, as well as some different units. Some modest fees may be charged depending on the unit being taught.

Language Arts Philosophy Statement and General Goals

Philosophy:

Language is a gift from God, and through it we glorify and respond to Him. Through this gift, God communicates with us; we in turn communicate with Him and with others. Students will recognize that this world and everything in it, particularly language, is God's.

Through the study of language, students will be able to creatively and constructively engage in renewing and transforming this broken world back to God. We will train students to do this through giving them the tools necessary to competently read, write, speak, listen, and watch with discernment and understanding so that in and through everything they can glorify Christ our Lord.

General Goals - In Language Arts classes, our students will

1. Exhibit a positive attitude toward language and learning.
2. Select and apply effective strategies for reading.
3. Comprehend developmentally appropriate materials.
4. Select and use developmentally appropriate strategies for writing.
5. Write for different purposes and audiences producing a variety of forms.
6. Use prior knowledge and content area information to make critical judgments.
7. Communicate orally with people of all ages 8. Recognize the interrelatedness of language, literature and culture.

English 9 – (IN 1002)

Full year, 2 credits

Required

This course develops language proficiency for effective communicators. English 9 students will become better readers, writers, speakers, and listeners through the literature-based curriculum which recognizes the interrelatedness of language, literature and culture. The course is divided equally among three literacies—reading, writing, and speaking.

A Core 40 and Core 40 with Academic Honors course

English 10 – Theme Studies in Literature (IN 1004)

Full year, 2 credits

Required

English 10 will focus on understanding themes in literature, using writing, grammar, vocabulary, and speech studies in order to be effective receivers and creators of literature. You will read a variety of selections by well-known authors like Tim O'Brien, Sylvia Plath, Mary Shelley, Anton Chekov, Stephen King, and George Orwell. Students will be studying literature in a number of forms—short stories, plays, poetry, film, and novels—and considering each in light of a Christian worldview.

A Core 40 and Core 40 with Academic Honors course

American Literature (1020)

1 semester, 1 credit

Required

American Literature is designed to study the literary trends from colonial America to modern-day America. In this course, you will advance in the study of literature, using various forms of writing, both technical and creative, to become literature creators. Within the curriculum, you will answer an essential question: “Who am I, and how have literary thinkers of the past formed who I am?” With this question in mind, this course will include a study of various authors—Bradstreet, Washington Irving, Benjamin Franklin, Mark Twain, Kate Chopin—in various forms of literature. Each of these selections will be considered from a Christian worldview.

A Core 40 and Core 40 with Academic Honors course

English Literature (IN 1030)

1 semester, 1 credit

Required

English 12 (British Literature) will focus on literature, vocabulary, grammar, and writing. Each geared toward the senior grade level; the course will conclude the four-year English curriculum. Following English-speaking authors from the Medieval Age to the present, this class will give a thorough study of such writers as Geoffrey Chaucer, Shakespeare, Wordsworth, T.S. Elliot, and C.S. Lewis. A number of plays, novels, short stories, essays, poems, and primary sources will be examined as the ideas and themes presented will be interpreted from a Christian worldview.

A Core 40 and Core 40 with Academic Honors course

Speech (IN 1076)

1 semester, 1 credit

Elective

This class is designed to allow the student to develop into a better public speaker including his or her ability to deliver a speech, organize thoughts and content, and better handle stress management. Students will learn to deliver informative, persuasive, impromptu, demonstration speeches, and more. As we progress in this class, we will touch on a number of discussion topics ranging from politics to a student’s spiritual life.

A Core 40 and Core 40 with Academic Honors course

Journalism (IN 1080)

Elective - 1 credit per semester

Journalism, a course based on the Indiana Academic Standards for English/Language Arts and the Indiana High School Journalism Standards, is a study of news elements, journalism history, First Amendment law, ethics, fact and opinion, copy editing, news, and features as they apply to print and digital media products. It includes a comparison study of journalistic writing to other types of English writing with practical application of news, features, editorials, reviews, columns, and digital media writing forms. For the second credit: Students continue to develop journalistic writing skills in addition to studying graphic design, advertising, public relations, photojournalism, and emerging media development and design in order to analyze messaging techniques and identify and avoid the

presentation of false or misleading information. By the end of the semester, students write, shoot, and design stories for print and digital media products

Digital Media (IN 1084)

Elective - 1 credit per semester

Digital Media, a course based on the Indiana Academic Standards for English/Language Arts and Media Literacy Standards, is a study of media literacy and production skills. This course examines the impact of informational, narrative, and persuasive media on everyday life. This course will focus on changes in media and includes practice in broadcast journalism, audio/visual storytelling, multimedia storytelling, as well as different platforms such as online and social media. Students will analyze local, national, and global media through the lens of law, ethics, and social responsibility. Students use course content to become knowledgeable consumers and producers of media. For the second credit: Students continue to develop media production skills in addition to continuing critical media analysis. By the end of the semester, students write and produce media projects.

Mathematics Philosophy Statement and General Goals

Philosophy:

In His creation of the world, God's handiwork as Designer can be both understood and appreciated through mathematics. His providential care for creation is also clearly seen through mathematics, "so that men are without excuse" (Rom. 1:20).

General Goals - In mathematics classes, our students will:

1. Be able to see, understand, and then explain the process of mathematics in the context of a Christian worldview.
2. Recognize the order, beauty, and practicality of creation through mathematics.
3. Learn the language of mathematics in order to be able to communicate in both written and spoken word.

Algebra I (IN 2520)

Full year, 2 credits

Required

Algebra I is designed to successfully introduce students to variables, various functions and their graphs and equation solving. Scientific calculators are suggested.

A Core 40 and Core 40 with Academic Honors course

Geometry (IN 2532)

Full year, 2 credits

Required

Geometry is a course designed to introduce students to many geometric shapes and their properties. Lines, angles, triangles, quadrilaterals, circles and the area and volume of polygons are topics of discussion. Scientific calculators are suggested.

Prerequisite: Algebra I

Algebra II (IN 2522)

Full year, 2 credits

Required

Algebra II is a study to promote the logical and problem solving skills of the student. Algebra II is a study in linear and quadratic functions, rational numbers, matrices, complex numbers, exponential and logarithmic functions, and trigonometry. A TI-84 Plus calculator is required.

A Core 40 and Core 40 with Academic Honors course

Prerequisite: Algebra I

AP Calculus (IN 2562)

Full year, 2 credits

Elective

Calculus is an upper level course designed for seniors who are interested in pursuing a career in the math or science field. Topics covered are functions, graphs, limits, derivatives, and integrals.

Students may have the option to take the Advanced Placement Test to receive college credit. A TI-84 Plus calculator is required.

A Core 40 and Core 40 with Academic Honors course

Prerequisite: Pre-Calculus

Finite Math (IN 2530)

1 semester, 1 credit

Elective

Finite Mathematics is an umbrella of mathematical topics. This course is designed for students who are going to college but not pursuing a major in math or science and for those who don't plan on going to college. Topics include: (1) counting techniques, (2) matrices, (3) recursion, (4) graph theory, (5) social choice, (6) linear programming, and (7) game theory. Technology, such as computers and graphing calculators, should be used frequently. A TI-84 Plus calculator is required.

A Core 40 and Core 40 with Academic Honors course

Prerequisite: Algebra II

Pre-Calculus / Trigonometry (IN 2566)

Full year, 2 credits

Elective

Pre-Calculus is an upper level course designed to prepare senior students for college math or junior students for Calculus. Topics for the first semester of study include linear, quadratic, and polynomial functions and their graphs, advanced functions,. The second semester mainly focuses on trigonometry and introduction to calculus. Seniors may take the first semester and not the second semester if their major doesn't need trigonometry. These students would then take statistics. A TI-84 Plus calculator is required.

A Core 40 and Core 40 with Academic Honors course

Prerequisite: Algebra II

Probability and Statistics (IN 2546)

1 semester, 1 credit

Elective

Probability and Statistics includes the concepts and skills needed to apply statistical techniques in the decision-making process. Topics include: (1) descriptive statistics, (2) probability, and (3) statistical inference. Practical examples based on real experimental data are used throughout. Students plan and conduct experiments or surveys and analyze the resulting data. The use of graphing calculators and computer programs is encouraged. A TI-84 Plus calculator is required.

A Core 40 and Core 40 with Academic Honors course

Prerequisite: Algebra II

Science Philosophy Statement and General Goals

Philosophy:

The study of science at DeMotte Christian High School revolves around God's world and His messages to us through His Word and creation.

Learning scientific thinking and reasoning will give students the ability to recognize these messages from God. They will internalize our mandate to be stewards of creation and apply it to everyday life decisions. A solid grounding in Biblical and scientific principles will allow them to examine new and existing scientific knowledge in the light of God's revelations to us.

General goals – In science classes, our students will:

1. Develop a proper attitude to God's world, recognizing that we are stewards of His creation.
2. Recognize the hand of God in the order and intricacy of creation.
3. Acknowledge God as the creator of the universe and reject any philosophy that denies His existence and sustaining power.
4. Develop the ability to use scientific principles to learn about God's creation.
5. Understand the limitations of science in explaining an infinite and almighty God.

Biology I (IN 3024)

Full year, 2 credits

Required

This course looks at life on Earth and how God has designed it in its infinite variety. Some of the topics that will be covered include cells, genetics and heredity and the many groups of animals and plants which share creation with us. This course also critically explores the theory of evolution.

A Core 40 and Core 40 with Academic Honors course

Chemistry (IN 3064)

Full year, 2 credits

Required

In this course, students will study the building blocks of matter and their interactions with one another. We will study basic chemical reactions, write chemical equations and study chemical composition. This course also involves a large amount of lab work as we examine the laws that God has made to govern His creation.

A Core 40 and Core 40 with Academic Honors course

Prerequisite: Completing Algebra I with a passing grade.

Integrated Chemistry-Physics (IN 3108)

Full year, 2 credits

Integrated chemistry and physics is a course intended for those who do not plan to enter a science field after graduation. It provides an introduction to chemistry in the first semester and physics in the second semester. These semesters can be taken either consecutively or separately. The chemistry semester cannot be taken by students who have already successfully completed either one or two semesters of chemistry. This class is restricted to grades 10-12.

Physics (IN 3084)

Full year, 2 credits

Elective

This course is concerned with the physical behavior of matter. We will study the usefulness of speed, acceleration and velocity in our world. Units on electricity, magnetism, sound and light will also be included. Since this course includes a large amount of math, it is strongly suggested that students take Algebra II before attempting Physics.

A Core 40 and Core 40 with Academic Honors course

Prerequisite: Algebra II

Social Studies Philosophy Statement and General Goals

Philosophy:

In II Corinthians 5: 20, Paul states, “We are therefore Christ’s ambassadors, as though Christ were making his appeal through us. We implore you on Christ’s behalf: Be reconciled to God.” As ambassadors of Christ, we will only be effective if we know our own faith while also knowing the beliefs and principles of those to whom we are bringing the message.

In order to do this, the curriculum of Social Studies is structured to help students understand who man is, what his relationship is to God, what his relationship is to his fellow man, and what his relationship is to the world in which he lives.

As a result of this instruction, students will be able to apply these principles to respond in service to God in every area of life.

General Goals - In social studies classes, our students will:

1. Understand God’s redemptive and sovereign plan for His world.
2. Form and apply a Christian worldview to judge events from the past and in the present, while anticipating the future with joy and hope.
3. Respond to the instruction from each of the areas of Social Studies prompting each student to grow in his relationship with God, each other, the community, the nation and the world.

Economics (IN 1514)

1 semester, 1 credit

Required

Economics is a branch of social studies dealing with the production, consumption, and distribution of goods and services. It seems this subject area is looked on as one dealing with complex terms with complex meanings in a jumble of numbers and data. However, it must be understood that this topic is relevant to you as a person, to the community in which you live, the nation you are a citizen, and a world of which you are a part. The class is designed to provide a broad approach to economics as we cover economic theory, fiscal policy, and even some micro-economic lessons.

A Core 40 and Core 40 with Academic Honors course

United States Government (IN 1540)

1 semester, 1 credit

Required

American Government is a junior-senior class with the goal to educate students about the role of government and citizen within our Democratic-Republic. The class is divided into five units: Christian perspective of government, Legislative Branch, Executive Branch, and Judicial Branch. The class will examine the Constitution, the diverse political ideologies within our nation, the Federal system, the concept of rights and liberties, along with numerous other current topics facing our nation and our state.

A Core 40 and Core 40 with Academic Honors course

Psychology (IN 1532)

1 semester, 1 credit

Elective

Psychology is the scientific study of mental processes and behavior within the individual. Topics covered throughout the semester include:

1. Body and Mind – Brain, Behavior, Senses & Consciousness
2. Learning and Cognition – Memory, Thinking, Language & Intelligence
3. Development throughout the lifespan
4. Personality
5. Psychological Health

This course is intended for Juniors and Seniors.

A Core 40 and Core 40 with Academic Honors course

United States History (IN 1542) (This class can also be completed for Dual Credit)

Full year, 2 credits

Required

US History is a course which examines our historical roots as Americans. Beginning with Colonial America and working to the late 20th century, students will be exposed to the events, ideas, and people that have influenced our nation. As we move through the year long course, students must constantly be asking themselves how as Christians should we learn from the past experiences and stories of our American forebears. This course will be using a wide range of sources and perspectives to try and provide the student with a complete view of our American heritage.

A Core 40 and Core 40 with Academic Honors course

Geography and History of the World (IN 1570)

Full year, 2 credits

Required

World Culture: The Study of World cultures will focus from the times of ancient civilizations like the Sumerians, Chinese, Mayan, and Greeks until the present. Our goal is to interpret the events from history as Christians, see the trials and triumphs of various historical peoples, and learn important lessons from the past that have application for today. Each unit will allow the student to see the critical steps that were taken in that period as it had effects on those who lived in it and those who lived after it.

World Languages Philosophy and General Goals

Philosophy:

As Christians, we believe that God reveals Himself through language, given uniquely to us as humans. In foreign language learning, students are equipped to better understand God's world and be prepared to reach out in love to our neighbors, both near and far away. It includes the integrated study of reading, writing, listening, and speaking, and also learning about the diverse cultures in our world. Through foreign language study, students are reminded of God's love to us and are trained to use the gift of communication.

General Goals – In World Language classes, our students will:

1. Recognize that God loves our world and all the diversity within it. He did not create us all to be the same, but takes pleasure in cultural diversity.
2. Appreciate a second language as a skill to communicate God's word in today's global community.
3. Prepare for meeting people from different culture groups, either here at home or abroad.
4. Learn to effectively communicate in all areas of language – speaking, reading, writing, and listening.

Spanish I (IN 2120)

Full year, 2 credits

Required

In Spanish I, we offer the student a basic introduction in a number of different areas involved in speaking another language. The student will have knowledge in the following areas: vocabulary, forms, sentence structure, concepts and the ability to use this knowledge to assist in speaking, understanding, reading and writing Spanish.

A Core 40 and Core 40 with Academic Honors course

Spanish II (IN 2122)

Full year, 2 credits

Required

In Spanish II, we offer the student a continuation and extension of what was learned in the first-year Spanish class. Students will continue to increase their knowledge of Spanish grammar and vocabulary and will speak, read, write and understand the language with increased fluency. They will also increase their awareness of Hispanic culture.

A Core 40 and Core 40 with Academic Honors course

Prerequisite: Spanish I

Spanish III (IN 2124)

Full year, 2 credits

Elective

In Spanish III, we offer the student a continuation and extension of what was learned in Spanish I and II. The primary goal of Spanish III is much the same as in Spanish II – to teach the students to communicate, in everyday language, basic feelings, needs and desires with reasonable grammatical accuracy and excellent accent.

A Core 40 and Core 40 with Academic Honors course

Prerequisite: Spanish II

Career and Technical Education Philosophy and General Goals

Philosophy:

When God created mankind, He endowed each person with unique gifts, talents, and abilities and called us to use them wisely in service to others. From the beginning of time, work has been a part of God's design, providing purpose, dignity, and opportunities to serve our communities. Career and Technical Education courses recognize that God has gifted individuals with diverse skills and interests that can be developed through hands-on learning, critical thinking, and real-world application.

Through Career and Technical Education, students will explore how their God-given talents can be strengthened through technical skill development, academic knowledge, and ethical decision-making. These courses emphasize the value of hard work, innovation, and stewardship as students prepare for careers that support families, strengthen communities, and meet the needs of a changing world. By viewing careers through a Christian lens, students are encouraged to pursue excellence, integrity, and service as they prepare for life beyond the classroom.

General Goals – In Career and Technical Education classes, our students will:

1. Recognize that all work has value and that God calls us to use our talents responsibly and ethically in service to others.
2. Identify their personal strengths, interests, and skills as gifts from God that can be developed into meaningful careers.
3. Develop technical, academic, and employability skills necessary for success in postsecondary education, the workforce, and lifelong learning.
4. Apply Christian values such as integrity, responsibility, teamwork, and stewardship in career exploration and workplace practices.
5. Understand how Career and Technical Education pathways contribute to meeting workforce needs and improving the quality of life in local and global communities.

Cadet Teaching Experience (IN 0502)

Elective - 1 credit per semester

This elective course provides students in grades eleven (11) or twelve (12) organized exploratory teaching experiences in grades kindergarten (K) through grade nine (9). All teaching experiences should be preplanned by the high school Cadet Teaching Experience teacher-trainer and the cooperating teacher(s) who are supervising prospective teachers and providing them with pre-training experiences in one or more classes. This course provides a balance of class work relating to:

- (1) classroom organization
- (2) classroom management
- (3) the curriculum and instructional process
- (4) observations of teaching
- (5) instructional experiences.

Study topics and background reading provide the cadets with information concerning the teaching profession and the nature of the cadet teachers' assignments. Evaluation is based upon the cadet teachers' cooperation, day-to-day practical performance, and class work including the cadets' potential ability to teach. The total workload of the Cadet Teaching course is comparable to those for other subjects in the high school curriculum.

Work Based Learning (Career Exploration and Internship) (IN 0530)

Elective - 1 credit per class, per semester (up to 6 credits)

The Career Exploration Internship course is a paid or unpaid work experience in the public or private sector that provides for workplace learning in an area of student career interests. Unlike the work-based Learning capstone course in which students gain expertise in a specific occupation, the career exploration internship is intended to expose students to broad aspects of a particular industry or career cluster area by rotating through a variety of work sites or departments. In addition to their workplace learning activities, students participate in 1) regularly scheduled meetings with their classroom teacher, or 2) a regularly scheduled seminar with the teacher for the purpose of helping students make the connection between academic learning and their work-related experiences. Specific instructional standards tied to the career cluster or pathway and learning objectives for the internship must be written to clarify the expectations of all parties – the student, parent, employer, and instructor.

3524 Introduction to Public Service (IN 3524)

Required for Enlistment Seal - 1 credit

Introduction to Public Service offers a comprehensive overview of public service, focusing on both military and non-military avenues. Students will explore the multifaceted benefits of military service, including personal and professional development, leadership skills, and community impact. A historical overview of U.S. military history and the history of non-military public service will provide context for the evolution of public service and its significance in shaping national identity. Key components of this course include an introduction to military customs and courtesies, instruction on ethical behavior and decision-making, development of leadership and analytical reasoning skills, an introduction to career paths (and their entrance requirements) available within public service, incentives for public service, and the significance of public service.

Agricultural Sciences Philosophy Statement and General Goals:

Philosophy:

When God created man and woman, he created them to be stewards of the Earth and all living creatures. He created us to love the land, animals, and harvest from what has been sewn. Agricultural Science courses will look at what God has blessed us with from the beginning of time and how through our God-given intelligence we have been able to sustainably supply nutritious foods for mankind through scientific research and best practices put forth by those that care for the land and animals.

Throughout these courses we will look at agriculture through the lens of a Christian increasing our knowledge on providing for a growing worldwide population through the help of agriscience and how we can be better stewards of God's beautiful creations.

General Goals - In Agricultural Science classes, our students will:

1. Recognize that we are stewards of God's creation and as Christians we have a duty to continue to feed our hungry world with healthy and nutritious foods.
2. Recognize methods of agriscience that have helped to increase food production.

Principles of Ag (I and II) (IN 7117)

Elective - 1 credit per semester

Principles of Agriculture exposes students to the diversity of career options found within the agricultural industry and to other agribusiness concepts. Students will develop an understanding of the role of agriculture in the United States and globally. Students will explore Agriculture, Food, and Natural Resource (AFNR) systems related to the production of food, fiber and fuel and the associated health, safety and environmental management systems. Topics covered in the course range from animals, plants, food, natural resources, ag power, structures and technology, and agribusiness. Participation in FFA and Supervised Agricultural Experiences (SAE) will be an integral part of this course in order to develop leadership and career ready skills.

Animal Science (IN 5008)

Elective - 1 credit per semester

This course looks at the animal agriculture industry, including, but not limited to, beef/dairy, swine, poultry, equine, and small animals. Topics to be covered in the course include: history and trends in animal agriculture, laws and practices relating to animal agriculture, comparative anatomy and physiology of animals, biosecurity threats and interventions relating to animal and human safety, nutrition, reproduction, and careers.

Advanced Animal Science (IN 5070)

Elective - 1 credit per semester

Advanced Life Science: Animals provides students with opportunities to participate in a variety of activities including laboratory work. Students will explore concepts related to history and trends in animal agriculture as related to animal welfare, husbandry, diseases and parasites, laws and practices relating to handling, housing, environmental impact, global sustainable practices of animal agriculture, genetics, breeding practices, biotechnology uses, and comparative knowledge of anatomy and physiology of animals used in animal agriculture.

Food Science (IN 5102)

Elective - 1 credit per semester

This course provides students with an overview of food science and the role it plays in the securing of a safe, nutritious, and adequate food supply. Students are introduced to the following areas: food processing, food chemistry and physics, nutrition, food microbiology, preservation, packaging and labeling, food commodities, food regulations, issues and careers in the food science industry.

Advanced Food Science (IN 5072)

Elective - 1 credit per semester

Advanced Life Science: Foods provides students with opportunities to participate in a variety of activities including laboratory work. This is a standards-based, interdisciplinary science course that integrates biology, chemistry, and microbiology in the context of foods and the global food industry. Students enrolled in this course formulate, design, and carry out food-base laboratory and field investigations as an essential course component. Students understand how biology, chemistry, and physics principles apply to the composition of foods, the nutrition of foods, food and food product development, food processing, food safety and sanitation, food packaging, and food storage. Students completing this course will be able to apply the principles of scientific inquiry to solve problems related to biology, physics, and chemistry in the context of highly advanced industry applications of foods.

Technology and Applied Arts Philosophy Statement and General Goals:

Philosophy:

In our ever-changing technological world, we have the responsibility to comprehend the complexities of God's creation. As stewards of God's provisions, we must be able to understand, use, apply, and develop these technologies in accord with Christian values.

General Goals - In Technology and Applied Arts classes, our students will:

1. Be able to interact with and effectively use the technology of the complex world.
2. Understand and apply Christian principles in the ethical use of God's gift of technology.
3. Gain the knowledge and ability to develop and use technology as stewards and in a manner which serves and honors God.

Shop I – Introduction to Construction (IN 4792)

1 semester, 1 credit

Elective

In this course, many skills and procedures required for the construction and upkeep of a building will be taught. Students learn through hands-on projects in areas such as carpentry, plumbing, drywall, electrical, and concrete by constructing a building.

Business Philosophy Statement and General Goals:

Philosophy:

Being given the command to “fill the earth and subdue it” (Genesis 1:28b), it is our responsibility to be good stewards of what God has provided for us. The business curriculum is geared toward the development of students into ethically-responsible adults who glorify and honor God in the way they conduct themselves in their economic choices.

General Goals - In Business classes, our students will:

1. Learn about responsible stewardship of God's money, as well as the products and services provided by Him.
2. Understand how to be ethically responsible in personal and business decisions.

3. Be able to differentiate responsibly between human needs and wants.
4. Learn how to glorify and honor God in how we consume what He has provided for.
5. Be prepared to use the workplace as an opportunity to carry out the redemptive task of Christ.

Principles of Business Management (I and II) (IN 4562)

Elective - 1 credit per semester

Principles of Business Management examines business ownership, organization principles and problems, management, control facilities, administration, financial management, and development practices of business enterprises. This course will also emphasize the identification and practice of the appropriate use of technology to communicate and solve business problems and aid in decision making. Attention will be given to developing business communication, problem-solving, and decision-making skills using spreadsheets, word processing, data management, and presentation software.

Management Fundamentals (I and II) (IN 7143)

Elective - 1 credit per semester

Management Fundamentals describes the functions of managers, including the management of activities and personnel. Describes the judicial system and the nature and sources of law affecting business. Studies contracts, sales contracts with emphasis on Uniform Commercial Code Applications, remedies for breach of contract and tort liabilities. Examines legal aspects of property ownership, structures of business ownership, and agency relationships.

Accounting Fundamentals (IN 4524)

1 or 2 semester, 1 or 2 credits

Elective

This course is an introduction to the basic principles covering a double entry system of accounting, whether it is for personal use or for use in the business world. Students learn accounting principles as applied to various business activities. They progress from the simplest of applications to mercantile applications. New elements of theory and practice are added with each new study of the accounting cycle. This introductory course in accounting will develop the knowledge and skill required to serve effectively as Christians in the contemporary business environment.

A Core 40 and Core 40 with Academic Honors course

Prerequisite: Algebra I

Personal Financial Responsibility (IN 4540)

1 semester, 1 credit

Required

Personal Finance is a business course that focuses on personal financial planning. The content includes financial planning, income and asset protection, income and money management, and spending and credit management. Students will learn the financial concepts and principles that provide a basis for avoiding financial pitfalls. This course prepares students for the roles and responsibilities of consumers, producers, entrepreneurs, and citizens.

Directed Elective or Elective for the General, Core 40, and Core 40 with Academic Honors

Preparing for College and Careers (IN 5394)

1 semester, 1 credit

Required

Preparing for College and Careers addresses the knowledge, skills, and behaviors all students need to be prepared for success in college, career, and life. The focus of the course is the impact of today's choices on tomorrow's possibilities. Topics to be addressed include twenty-first century life and career skills; higher order thinking, communication, leadership, and management processes; exploration of personal aptitudes, interests, values, and goals; examining multiple life roles and responsibilities as individuals and family members; planning and building employability skills; transferring school skills to life and work; and managing personal resources. This course includes reviewing the 16 national career clusters and Indiana's College and Career Pathways, in depth investigation of one or more pathways, reviewing graduation plans, developing career plans, and developing personal and career portfolios.

Recommended Grade Level: 8, 9

Recommended Prerequisites: None

Directed Elective or Elective for the General, Core 40, and Core 40 with Academic Honors

Family and Consumer Science Philosophy Statement and General Goals:**Philosophy:**

God created individuals within family structures to be stewards of all His creation, to reflect His love, and to develop godly character. Family and Consumer Science course concentrate on practical knowledge and skills that strengthen individual and family life. The central focus is to prepare students to become independent, to assume family roles, to transfer personal skills to the workplace, and to be Christian leaders in society.

Emphasis in these courses is placed on the role of Christian as home-makers. Included are basic knowledge and hands-on experience in textiles, nutrition and wellness, food preparation, child development and care, budgeting, home ownership, career choices, and general stewardship.

General Goals - In Family and Consumer Science classes, our students will:

1. Understand the important responsibility of strong Christian families in society.
2. Integrate principles of stewardship of all resources entrusted to us.
3. Develop an understanding about the inter-relatedness of education and practical life skills.

Interpersonal Relationships (IN 5364)

Elective - 1 credit per semester

Interpersonal Relationships is an introductory course that is especially relevant for students interested in careers that involve interacting with people. It is also valuable for all students as a life foundation and academic enrichment. This course addresses knowledge and skills needed for positive and productive relationships in career, community, and family settings. Major course topics include communication skills; leadership, teamwork, and collaboration; conflict prevention, resolution, and management; building and maintaining relationships; and individual needs and characteristics and their impacts on relationships. A project-based approach that utilizes higher order thinking, communication, leadership, and management processes, and fundamentals to college and career success is recommended in order to integrate these topics into the study of interpersonal

relationships. Direct, concrete language arts proficiencies will be applied. Service learning and other authentic applications are strongly recommended. This course provides a foundation for continuing and postsecondary education for all career areas that involve interacting with people both inside and outside of a business/organization, including team members, clients, patients, customers, and the general public.