



CHRISTIAN ACADEMY OF INDIANA

2011-2012 High School Course Description Catalog

How to Register

Current CAI students will register for their classes online through PowerSchool. Online registration access will be available to high school students and 8th grade students from **March 28 –April 8**.

Please be sure you have a working log-on and password as you will access class registration through the parent portal of PowerSchool. If you do not have a log-on and password, please contact the technology department at support@caschools.us or you may contact Mrs. Becht at ext. 5015. During these registration dates, you may go online and make changes to your requests. After these dates, changes can be made only by contacting Mr. Wilson or Mrs. Becht.

New students to CAI must register using a Course Request Form. These forms can be picked up from the high school office and should be returned to Mr. Wilson as soon as possible upon acceptance.

Scheduling Courses

Plan Ahead

1. **READ** the course description **BEFORE** selecting the course to be sure that it fits your needs and interests.
2. **CONSULT** with teachers in specific subject areas for more detailed information, including recommendations for placement in honors courses.
3. **BALANCE** your course selections. Avoid crowding all of your academic courses into your Sophomore and Junior years. Allow yourself the freedom to take elective subjects each year. They are a valuable part of your total education.
4. **REMEMBER** to make certain you have satisfied the prerequisites for taking a particular course.
5. **SELECT** alternate courses in case it is impossible to get your first choice. Actual course offerings are dependent on sufficient class enrollment.
6. **BE SURE** to take courses which will give you the best possible preparation for your future plans. Take advantage of the offerings available to you.

Know the Requirements

1. Know what your graduation requirements are before you start planning.
2. If you have questions about credits for graduation or college or career entrance, see the counselor.

Adding/Dropping

High school students will be permitted to withdraw from classes and add additional classes during the first two weeks of a semester with permission. If a student is given permission to withdraw from a class after the second week of a semester, a "WP" or "WF" (withdraw passing or withdraw failing) will be recorded on their transcript accordingly. Withdrawals after the third week of the semester may result in a failing grade. This grade does affect the student's GPA.

Requests for schedule changes should be directed to Mr. Wilson.

DIPLOMA REQUIREMENTS

Core 40 Diploma - 48 credits

Bible	1 credit/sem. attending	
Language Arts		8
Mathematics		6
	2 credits: Algebra I	
	2 credits: Geometry	
	2 credits: Algebra II	
	*All students are required to take a math or physics course during their junior or senior year.	
Science		6
	2 credits: Biology I	
	2 credits: Chemistry or Physics I or Integrated Chem./Phys.	
	2 credits: any Core 40 science	
Social Studies		6
	2 credits: US History	
	1 credit: U.S. Government	
	1 credit: Economics	
	2 credits: World History/Civilization	
Directed Electives		5
	World Languages	
	Fine Arts	
	Career/Technical	
Health & Wellness		1
PE		2
Electives		6

Core 40 with Academic Honors Diploma - 55 credits

- ◆ Complete all requirements for Core 40
- ◆ Earn 2 additional Core 40 math credits
- ◆ Earn 6-8 Core 40 world language credits
- ◆ Earn 2 Core 40 fine arts credits
- ◆ Must earn a grade of “C” or above in courses that will count toward diploma
- ◆ Have a cumulative GPA of 3.0 or above
- ◆ Complete one of the following:
 - A. Two AP courses and corresponding AP exams
 - B. Academic, transferrable dual high school/college courses resulting in 6 college credits
 - C. One AP course and corresponding AP exam and academic transferrable dual high school/college course(s) resulting in 3 college credits.
 - D. Score 1200 or higher combined SAT math and critical reading
 - E. Score a 26 composite ACT
 - F. An International Baccalaureate Diploma

◆ COLLEGE BOUND STUDENT ATHLETES

The NCAA has approved courses for use in establishing the initial eligibility certification status of student athletes. Students hoping to play sports in college for a Division I school must complete 16 core classes in high school. To play Division II you must complete 14 core classes in high school. Division III does not use the Eligibility Center.

◆ Denotes core classes at CAI approved by the Eligibility Center.

HONORS AND AP COURSES

English

Honors English I
 Honors English II
 AP Lang./Comp.
 AP Lit./Comp.

Social Studies

AP U.S. Government & Politics
 AP U.S. History

Spanish

Honors Spanish III
 AP Spanish Language

Science

AP Biology

Math

AP Calculus

Business & Computer

AP Computer Science

*** ENROLLMENT IN AP AND HONORS COURSES IS CONTINGENT UPON INSTRUCTOR APPROVAL. All students enrolled in AP courses are required to take the corresponding AP Exam in the spring. The cost of the exam is approximately \$87. The fee is collected in the fall.**

GRADING SCALE

	Reg.	Honors	AP
A+	4.0	5.0	5.5
A	4.0	5.0	5.5
A-	3.7	4.7	5.2
B+	3.3	4.3	4.8
B	3.0	4.0	4.5
B-	2.7	3.7	4.2
C+	2.3	3.3	3.8
C	2.0	3.0	3.5
C-	1.7	2.7	3.2
D+	1.3	2.3	2.8
D	1.0	2.0	2.5
D-	0.7	1.7	2.2

BIBLE DEPARTMENT

Bible I (INH110)

Full year course; 1 credit/semester

Fall Semester: Orientation to Biblical Studies

This introductory course to the Bible Department is designed for students as a “hands-on” approach to reading, understanding, interpreting, and applying the Bible for everyday living. The content focuses on developing the skill of studying the Bible for personal and community application.

Spring Semester: Old Testament Survey

This course presents an overview of the text, focusing on the major sections of the Old Testament: the Law, the Prophets and the History of Israel. The goals of the class are assisting students in understanding the context of the scripture and developing methods for personal and community application of its message. A concentrated emphasis is placed upon the Biblical theme of God’s plan of redemption in human history.

Bible II (INH120)

Full year course; 1 credit/semester

Fall Semester: New Testament Survey

This course presents an overview of the text, focusing on the major sections of the New Testament: The Gospels, the Acts of the Apostles, the Pastoral Letters of John, Peter, James, Paul and the Book of Revelation. The goals of the class are assisting the students in understanding the context of the Scripture and developing methods for personal and community application of its message. A concentrated emphasis is placed on the work of Christ in God’s plan of redemption in human history and the continuing mission of the church to proclaim that message.

Spring Semester: World Religions

This course provides a clear and engaging account of world religions through the study of their origins, historical development, leadership, and basic doctrines as compared to the tenets of Christianity. Focus is given to the following living world religions: The “One God” religions: Christianity, Judaism, and Islam; Eastern Religions: Hinduism, Buddhism, and Taoism; Contemporary Cults: Mormonism and Jehovah’s Witnesses; and the “No-God-Necessary” Worldview: atheism, Darwinism, and naturalism. Added to the discussion is an exercise in the practice and defense in regard to other world religions and worldviews.

Bible III (INH130)

Full year course; 1 credit/semester

Fall Semester: Introduction to Life Calling

This course focuses on students developing an understanding of the concept of life calling and the discovery of one’s God-given design as a basis for this

calling. Students are led to understand how work and individual leadership is best understood from this life calling perspective. Students evaluate their foundational values, unique design and personal mission as well as examine each component in an in-depth paper and integrate this into a life and leadership plan.

**Students have the option of taking this course for dual credit, which means that in addition to receiving credit as a high school course, they would receive college credit from Indiana Wesleyan University. More information can be obtained from the high school principal or the chair of the Bible department.*

Spring Semester: Worldviews

Worldviews explores the content and influence of significant contemporary worldviews, including Secular Humanism, Marxism, Cosmic Humanism, Postmodernism and others that are challenges to the Christian worldview. The course begins with explaining and understanding the nature of a worldview and the importance of having a worldview grounded in truth. Students then explore and discuss the major components of the Christian or “Biblical Theist” worldview and then compare and contrast this with the components of the major worldviews that we encounter in Western culture. The controversy between intelligent design and evolution is studied in the context of the competition between the theistic and materialistic worldviews. Students engage in a survey project to better understand the beliefs and worldviews that exist in their community

Bible IV (INH140)

Full year course; 1 credit/semester

Fall Semester: Apologetics

Students are introduced to the rational defense of the Christian faith. The course enables students to “Always be prepared to give an answer to everyone who asks you to give the reason for the hope that you have” (1 Peter 3:15b). The course begins with explaining and understanding the nature of truth, reason, and logic and the importance of apologetics in Christian discipleship. Students examine the classical arguments for the existence of God, the evidence for the accuracy and reliability of the Bible, the historical and spiritual identity of Jesus Christ, and the historical evidence for the resurrection of Christ.

Spring Semester: Contemporary Issues

Contemporary issues examines and discusses major social and cultural issues in the light of Christian faith and discipleship. The areas which are covered include Marriage and Sexuality, Biotechnology, End-of-life issues, Environmentalism, and Popular Culture. The key facts and influences in each issue are investigated, and a careful study of Scripture discerns and

BIBLE DEPARTMENT, cont.

applies biblical principles for formulating a Christian viewpoint on critical issues in contemporary culture. Students select and research a major issue for a position paper.

ENGLISH DEPARTMENT

◆English I (INH310)

Full year course; 1 credit/semester

Students in grade 9 build on the foundational elements of the language arts by developing their skills in reading, writing, and oral communication. Students read short stories, poetry, novels, dramatic plays, speeches, scholarly journals, and other written materials and write responses to the selections. Students gain an appreciation of the similarities and difference of various genres and create original works to demonstrate their understanding.

◆Honors English I (INH315)

Full year course; 1 credit/semester

Freshman honor students are exposed to more selections; therefore their writing reflects a wider range of analysis. *See Pg. 2 regarding enrollment.*

◆English II (INH320)

Full year course; 1 credit/semester

Students in grade 10 continue to build on the foundational elements of the language arts by deepening their skills in reading, writing, and oral communication. Students read short stories, poetry, novels, dramatic plays, speeches, scholarly journals, and other written materials and write responses to the selections. Students analyze selections within each genre, specifically looking at authorial intent and the communication of theme. Students also create original works to demonstrate a deeper understanding of the genres' intricacies.

◆Honors English II (INH325)

Full year course; 1 credit/semester

Sophomore honor students are exposed to more selections; therefore their writing reflects a wider range of analysis. *See Pg. 2 regarding enrollment.*

◆English III (INH330)

Full year course; 1 credit/semester

English/Language Arts in grade 11 is a study of language, American literature, composition, and oral communication with a focus on exploring characterization across universal themes and a wide variety of genres. Students use literary interpretation, analysis, comparisons, and evaluation to read and respond to representative works of historical or cultural signifi-

cance appropriate for grade 11 in classic and contemporary literature, reflective compositions, historical investigation reports, resumes, and technical documents incorporating visual information in the form of pictures, graphs, and tables. Students write and deliver grade-appropriate multimedia presentations and access, analyze, and evaluate online information.

◆English IV (INH340)

Full year course; 1 credit/semester

English/Language Arts for grade 12 is a study of language, British literature, composition, and oral communication focusing on an exploration of point of view or perspective across a wide variety of genres. Students use literary interpretation, analysis, comparisons, evaluation to read and respond to representative works of historical or cultural significance for grade 12 in classic and contemporary literature balanced with nonfiction. Students write fictional narratives, short stories, responses to literature, reflective compositions, historical investigation reports, resumes and technical documents incorporating visual information in the form of pictures, graphs, and tables. Students write and deliver grade-appropriate multimedia presentations and access, analyze, and evaluate online information.

◆English Language and Composition Advanced Placement (INH339)

Full year course; 1 credit/semester

Recommended Grade Level: 11

This course is based on content established by the College Board. AP English Language and Composition engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing. *As this course concludes in the spring, students will take the AP exam. See Pg. 2 regarding enrollment.*

◆English Literature and Composition Advanced Placement (INH349)

Full year course; 1 credit/semester

Recommended Grade Level: 12

This course is based on content established by the College Board. AP English Literature and Composition engages students in the careful reading and critical analysis of imaginative literature. Through the

ENGLISH DEPARTMENT, cont. SPANISH DEPARTMENT

close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style, and themes as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. *As this course concludes in the spring, students will take the AP exam. See Pg. 2 regarding enrollment.*

Student Publications Beginning (INH362)

Full year course; 1 credit/semester

Prerequisites: Completion of Photography recommended and approval of advisor and editor.

Grade Level: 10-12

This course allows students the opportunity to incorporate journalistic elements into the planning, design, and production of the school's yearbook. Examples of amateur and professional photographs, layouts, and stories are studied and critiqued. Students utilize cameras, photo enhancement technology, and various computer programs for creating their layouts. Students are also involved in writing, editing, design, and sales. Additional units may include music/picture DVD creation, video editing/enhancements, and audio recordings. Emphasis for this entry level class is photography, basic photo editing, and basic layout design.

Student Publications Intermediate (INH363)

Full year course; 1 credit/semester

Prerequisites: Completion of Beginning Student Publications and approval of advisor and editor.

Grade Level: 11-12

This course is a continuation of the beginning level course with added emphasis on theme development, advanced photo editing, and advanced layout design.

Student Publications Advanced (INH364)

Full year course; 1 credit/semester

Prerequisites: Completion of Intermediate Student Publications and approval of advisor and editor.

Grade Level: 12

This advanced level course continues to expand on the journalistic elements of yearbook production. The emphasis for this course is theme creation, maintaining consistency in style, and filling a leadership role.

◆Spanish I (INH550)

Full year course; 1 credit/semester

This course is designed to develop listening, speaking, reading and writing skills. Students develop a fundamental understanding of Spanish grammar, plus additional vocabulary and appropriate methods of sharing the Gospel in Spanish.

◆Spanish II (INH551)

Full year course; 1 credit/semester

This course is designed to include a comprehensive review of all first year grammar. Students continue learning new verb structures and key vocabulary in addition to performing with "question and response" interactions. By the end of the second year of Spanish study, students are able to read, write and speak with greater ease, demonstrating increased mastery. Most importantly, students are equipped with enough language to meet someone's needs in Spanish.

◆Honors Spanish III (INH555)

Full year course; 1 credit/semester

This course is designed to expand a student's ability to express his/her thoughts through less structured dialogue in a variety of tenses. Students write synopses, compositions and speeches. Students read, comprehend and discuss written passages with increasing difficulty, using the Bible as main text. Culturally, students gain an understanding of the distinctions between cultures in Spanish speaking countries, and in contrast to the culture of the United States. *See Pg. 2 regarding enrollment.*

◆Spanish Language

Advanced Placement (INH569) ONLINE COURSE

Full year course; 1 credit/semester

Prerequisites: 11-12; Completion of Spanish I, II, III; demonstrable mastery of those courses' core concepts, and teacher recommendation.

This course helps students demonstrate their proficiency in three areas: Interpersonal, Interpretive and Presentational Spanish in accordance with the National Foreign Language Standards: Communication, Connection, Comparison, Culture and Community. This course is comparable to a third year university course. It focuses on speaking and writing in Spanish at an advanced level. *As this course concludes in the spring, students will take the AP exam. See Pg. 2 regarding enrollment.*

SOCIAL STUDIES DEPT.

◆United States History (INH960)

Full year course; 1 credit/semester

This course builds upon concepts developed in previous studies of U.S. History. Students are expected to identify and understand significant religious, political and social movements throughout the history of our nation. The course gives major emphasis to the interaction of key events and people, as well as political, economic, social, military, and cultural influences in national developments from the late nineteenth century through the present from a Biblical perspective. Students develop historical thinking and research skills as they trace and analyze chronological periods and examine the significant themes and concepts in U.S. History. This course provides integrated Biblical principles and perspectives to help understand and identify cultural themes and shifts in our nation over time.

◆United States History

Advanced Placement (INH982)

Full year course; 1 credit/semester

Recommended Grade Level: 11-12

This course is based on the content established by the College Board. The course has a chronological frame from 1492 to the present and focuses on multiple causation and change in United States history over time. A variety of historical themes are examined in order to place the history of the United States into larger analytical contexts, including the role and influence of Christianity. Students are expected to analyze and interpret primary sources and develop awareness of multiple interpretations of historical issues in secondary perspectives. *As this course concludes in the spring, students will take the AP exam. See Pg. 2 regarding enrollment.*

◆World History & Civilization (INH950)

Full year course; 1 credit/semester

This course emphasizes events and developments in the past that greatly affected large numbers of people across broad areas and that significantly influenced peoples and places in subsequent eras. Students examine the role God and Christians have played in shaping the world we live in from a cultural, spiritual and economic perspective. Students are expected to compare and contrast events and developments involving diverse peoples and civilizations in different regions of the world. They examine examples of continuity and change, universality and particularity, unity and diversity, and the shaping of our world through Christian principles and values as well as the effects of other religions and beliefs among various people

and culture groups from the past to the present. Students are also expected to practice skills and the process of historical thinking. There are continuous and pervasive interactions of processes and content, skills and substance, in the teaching and learning of history.

◆Psychology (INH902)

1 semester course; 1 credit

This course is only offered 1st semester. By requesting this course you will automatically be enrolled in Sociology 2nd semester. You may change this if you decide not to take Sociology.

Psychology is the scientific study of mental processes and behavior. The course is divided into a variety of different content areas: developmental and cognitive psychology, personality, assessment, mental health and biological basis which are explored using the scientific methods and Biblical principles. Other areas of study include aspects of emotional, social, and moral development, as well as dimensions of behavior dealing with topics such as conformity, obedience, perceptions, attitudes, and influence of the group on the individual. Through contrast and examination of these topic areas with the Bible, students gain a greater understanding of themselves and principles of God's Word.

◆Sociology (INH903)

1 semester course; 1 credit

This course is only offered 2nd semester.

Sociology allows students to study human social behavior from a Christian perspective. Such behaviors include recurring patterns in people's attitudes and actions and how these patterns vary across time, cultures, and in social settings and groups. Students describe the development of sociology as a social science and identify methods of research while incorporating Biblical viewpoints and a Christian worldview. Through research methods such as scientific inquiry, students examine society, group behavior, and social structures. The influence of culture on group behavior is addressed through institutions such as the family, religion, education, economics, community organizations, government, and political and social groups. The impact of social groups and institutions on group and individual behavior and the changing nature of society are examined.

SOCIAL STUDIES DEPT., cont.

◆United States Government (INH980)

1 semester course; 1 credit

Grade Level: 12

U.S. Government provides a framework for understanding the nature and importance of responsible civic participation and for learning the rights and responsibilities of Christian citizens in a constitutional democracy. The course enables students to explore the historic origins and continued development of political philosophies into contemporary political and legal systems. Constitutional structure and the processes of the legislative, executive, and judicial branches of the national, state, and local levels of the government are examined. Students learn to draw conclusions about the impact and interrelationships of history, geography, and economics upon our system of government. They also learn to demonstrate an understanding of the governmental structures of the United States and other political systems, as well as the relationship of American government to world affairs. Students learn to analyze the roles of individuals and groups in the political process by identifying and analyzing political issues. They also learn to access data from primary and secondary resources and use current technology to access relevant source materials and as a tool for producing documents in support of learning projects. Students have opportunities to take, defend, and evaluate positions on current issues that impact political decision making.

◆United States Government & Politics

Advanced Placement (INH981)

Full year course; 1 semester course; 1 credit

Grade Level: 12

This course is based on content established by the College Board. Topics include: (1) constitutional underpinnings of United States government, (2) political beliefs and behaviors, (3) political parties, interest groups, and mass media, (4) institutions of national government, (5) public policy, and (6) civil rights and civil liberties.

The course gives students an analytical perspective on government and politics in the United States and includes both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics. Students become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes. Students are challenged to apply biblical principles as they evaluate current political situations.

As this course concludes in the spring, students will take the AP exam. See Pg. 2 regarding enrollment.

◆Economics (INH970)

1 semester course; 1 credit

Grade Level: 12

Economics includes a study of the allocation of scarce resources and their alternative uses for satisfying human wants. This course examines basic models of decision making at various levels and in different areas including: (1) decisions made as a consumer, producer, saver, investor, and voter; (2) business decisions to maximize profits; and (3) public policy decisions in specific markets dealing with output and prices in the national economy.

SCIENCE DEPARTMENT

◆Biology I (INH811)

Full year course; 1 credit/semester

Grade Level: 9

This course is designed to provide the student with the insight into the basic concepts, facts and theories of modern biology. Unit study emphasizes basic cell structure and function, genetics, ecology, evolution, and the anatomy and physiology of plants and animals. It is also the intention of this course to foster an appreciation for God's handiwork that is evident in the biological world.

◆Biology

Advanced Placement (INH819)

Full year course; 1 credit/semester

Prerequisites: Biology I, Chemistry

Students are encouraged to focus on understanding relationships, processes, mechanisms, and potential extensions and applications of concepts. A main goal is to expand a student's ability to explain, analyze, and interpret biological processes and phenomena more than the ability to recall facts. This course is for motivated students, as the material is advanced and some independent learning is required. *As this course concludes in the spring, students will take the AP exam. See Pg. 2 regarding enrollment.*

◆Chemistry I (INH821)

Full year course; 1 credit/semester

Co-requisite: Algebra II

This is a laboratory-based course in which students will be taught the basic principles of chemistry including atomic structure and bonding, the Periodic Table, matter and energy, chemical names and formulas, stoichiometry, gas laws, chemical equilibrium, and acid-base chemistry. Sufficient lab techniques are taught for students to apply the chemical concepts qualitatively and quantitatively.

SCIENCE DEPARTMENT, cont.

◆Chemistry II (INH822)

Full year course; 1 credit/semester

Prerequisite: Chemistry I

Recommended Grade Level: 11-12

This is a laboratory-based course in which students build on their knowledge from Chemistry I and learn additional topics including reaction chemistry, chemical kinetics, thermodynamics, electrochemistry, nuclear chemistry, and organic chemistry. Students also add to the laboratory skills for the application of the chemical concepts. Laboratory writing and reports are given a special emphasis. Students have the option of taking the Chemistry AP Exam at the end of the year, but it is not a requirement.

◆Physics I (INH830)

Full year course; 1 credit/semester

Prerequisites: Algebra II and Geometry

Recommended Grade Level: 11-12

This is a laboratory-based course in which students synthesize the fundamental concepts and principles related to matter and energy, including mechanics, wave motion, heat, light, electricity, magnetism, relativity, atomic and subatomic physics. Through regular laboratory study using such quantities as velocity, acceleration, force, energy, momentum, and charge, students (1) examine the nature and scope of physics, including its relationship to other sciences and its ability to describe phenomena using physical laws, (2) describe the history of physics and its role in the birth of technology, (3) explore the uses of its models, theories, and laws in various careers, and (4) investigate physics questions and problems related to personal needs and societal issues.

◆Integrated Chemistry & Physics (INH823)

Full year course; 1 credit/semester

Prerequisite: Algebra I

Recommended Grade Level: 10, 11, 12

This is a lab-based course in which students explore fundamental chemistry and physics principles. Students enrolled in this course examine, through the process of scientific inquiry, the structure and properties of matter, chemical reactions, forces, motion, and the interactions between energy and matter. Working in a laboratory environment, students investigate the basics of chemistry and physics in solving real-world problems that may have personal or social consequences beyond the classroom.

◆Earth/Space Science (INH802)

Full year course; 1 credit/semester

The goal of Earth/Space is to instruct students on the phenomena of the non-living aspects of the world that

surround them. The four main areas of study are: geology, oceanography, astronomy, and meteorology. At the end of the course, students will have learned about the formation of rocks and the rock cycle, a variety of weather patterns and their causes, the cycle of water, and the current scientific understanding of our solar system.

BUSINESS & COMPUTER DEPARTMENT

Computer Applications (INH214)

1 semester course; 1 credit

Grade Level: 9

This one-semester course covers online safety, multimedia and databases, introduction to web design, robotics, and proficiency tests in word processing, spreadsheets, and presentations.

Computer Programming (INH220)

Full year course; 1 credit/semester

Prerequisites: Algebra I and Algebra II

Recommended Grade Level: 10, 11, 12

This course is a disciplined approach to computer programming using the Visual Basic 2008 programming language. Students learn how to solve problems through the design, creation, and implementation of programs. Students learn the benefits of studying computer programming and possible career opportunities. The objectives of the course are: (1) to learn to be "others centered" when designing software, (2) to improve personal stewardship of technology, (3) to increase problem solving skills, (4) proficiency in writing short programs using the Visual Basic programming language, (5) to understand appropriate uses and limitations of computers.

Advanced Computer Applications (INH215)

Full year course; 1 credit/semester

Prerequisite: Computer Applications

Grade Level: 10, 11, 12

Graphic Design, using Adobe Creative Suite 5, will give the students necessary tools needed to build graphics suitable for advertising/journalism, complete with Photoshop, Illustrator, and InDesign understanding. Students will learn how graphics in advertising can help promote products/ideas through project-based assignments. Web Page Design, using Adobe Creative Suite 5, will give the students necessary tools needed to build a fully functioning web site complete with HTML, CSS, Photoshop Elements, Notepad, and Dreamweaver CS5 understanding. Students have the opportunity to design, build and program a Lego Robot.

BUSINESS & COMPUTER

DEPARTMENT, cont.

Computer Science

Advanced Placement (INH239)

Full year course; 1 credit/semester

Prerequisites: Algebra I & II

Grade Level: 11-12

This course is equivalent to the first semester of a college level computer science course. It involves developing the skills to write programs to solve specific problems. The course emphasizes the design issues that make programs understandable, adaptable, and reusable. The development of useful computer programs is used as a context for introducing other important concepts in computer science, including the development and analysis of algorithms, fundamental data structures, and the study of standard algorithms and typical applications. An understanding of the basic hardware and software components of computer systems and the use of these systems are integral parts of this course. *As this course concludes in the spring, students will take the AP exam. See Pg. 2 regarding enrollment.*

MATH DEPARTMENT

CAI uses TI-83+ and TI-84+ graphing calculators. The two are functionally the same, but the TI-84+ has more memory and costs a little more. The extra memory is not required for CAI courses, but may be needed for students who continue math studies in college.

◆Algebra I (INH710)

Full year course; 1 credit/semester

A TI-83+ or TI-84+ graphing calculator is recommended for this course.

Algebra I is about putting real life problems into mathematical equations and then solving them. This course develops one's thinking in areas such as logic, patterns, problem solving, and deductive and inductive reasoning. It also provides for the development of skills and concepts that are necessary for students to succeed in future college preparatory mathematics classes.

◆Algebra II (INH730)

Full year course; 1 credit/semester

Prerequisite: Algebra I

A TI-83+ or TI-84+ graphing calculator is required for this course.

This course develops one's thinking even further in areas studied in Algebra I such as logic, problem solving, development of the concept of a function, and deductive and inductive reasoning. Algebra II also

provides for the development of skills and concepts that are necessary for students who desire to take other college preparatory mathematics classes. Areas of study include theorems and algorithms of algebra, counting principles and probability, relations, functions, equations and inequalities, irrational and complex numbers, algebraic fractions, polynomials and poly-functions, exponential and logarithmic functions, sequence and series properties, and graphs of conic sections.

◆Geometry (INH720)

Full year course; 1 credit/semester

Prerequisite: Algebra I

A TI-83+ or TI-84+ graphing calculator is required for this course.

Geometry focuses on analyzing properties of two and three dimensional shapes, reasoning about geometric relationships and using the coordinate system. Studying geometry provides many foundational skills and helps to build thinking skills through the use of proofs, logic, deductive reasoning, analytical reasoning, and problem solving. Topics covered include angles; planes; trigonometric ratios; polygons with special focus on quadrilaterals, triangles, and right triangles; the relationships of points, lines, and conic sections; circles; and polyhedrons along with other solids.

◆Pre-Calculus/Trigonometry (INH740)

Full year course; 1 credit/semester

Prerequisites: Algebra II and Geometry

Recommended Grade Level: 11-12

A TI-83+ or TI-84+ graphing calculator is required for this course.

This course blends the concepts and skills that must be mastered before enrollment in a college-level calculus course. The course includes the study of (1) relations and functions, (2) exponential and logarithmic functions, (3) trigonometry in triangles, (4) trigonometric functions, (5) trigonometric identities and equations, (6) polar coordinates and complex numbers, (7) sequences and series and (8) data analysis.

◆Discrete Mathematics (INH750)

1 semester course; 1 credit

Prerequisites: Algebra II, Geometry

Recommended Grade Level: 11-12

A TI-83+ or TI-84+ graphing calculator is required for this course.

Discrete Mathematics covers many mathematical topics. It is designed for students who will undertake high-level mathematics in college that may not include calculus. Topics include: (1) counting techniques, (2) matrices, (3) recursion, and other topics as time allows chosen from the following topics: graph theory, social choice, linear programming, and game theory.

MATH DEPARTMENT, cont.

◆Probability and Statistics (INH755)

1 semester course; 1 credit

Prerequisites: Algebra II, Geometry

Recommended Grade Level: 11-12

A TI-83+ or TI-84+ graphing calculator is required for this course.

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.

◆Calculus AB

Advanced Placement (INH759)

Full year course; 1 credit/semester

Prerequisite: Pre-Calculus

Recommended Grade Level: 11-12

A TI-83+ or TI-84+ graphing calculator is required for this course.

This course provides students with the content established by the College Board. Topics include: (1) functions, graphs, and limits: analysis of graphs, limits of functions, asymptotic and unbounded behavior, continuity as a property of functions (2) derivatives: concepts of the derivative, derivative at a point, derivative as a function, second derivatives, application and computation of derivatives, and (3) integrals: interpretations and properties of the definite integrals, applications of integrals, fundamental theorem of calculus, techniques of anti-differentiation, and numerical approximations to definite integrals. *As this course concludes in the spring, students will take the AP exam. See Pg. 2 regarding enrollment.*

FINE ARTS DEPARTMENT

Photography (INH416)

Full year course; 1 credit/semester

Grade Level: 12 (11 if space permits)

Required Equipment: Must own a digital camera

The first semester of photography is devoted to camera basics including basic photography techniques, lighting, and composition skills. In addition, students also learn about the history of photography and specific professional photographers. Students work independently and in groups in class and outside of class. Students are financially responsible for developing their own photographs for assignments. The second semester is a continued exploration of the history of photography and photographers. In addition, students learn to use Photoshop Elements in a variety of ways to enhance their photographs.

Intro. To II Dim./III Dim. Art (INH412)

Full year course; 1 credit/semester

This is an introduction to drawing, painting, mixed media, and 3D art for high school students. Throughout the year students are introduced to art history and artist biographies. Students learn basic techniques to produce 2D and 3D works of art. Students also learn how to effectively critique artwork and discuss artwork using appropriate terms. Areas of study include (but are not limited to) drawing techniques, watercolor painting, acrylic painting, printmaking, graphic design, figure drawing, portraiture, and sculpture.

Adv. II Dim./III Dim. Art (INH414)

Full year course; 1 credit/semester

Prerequisite: Intro. To II Dim./III Dim. Art

This course is a continuation of Intro. To II Dim./III Dim. Art for students with strong artistic and creative interests who have developed a high degree of proficiency in producing two and three dimensional artwork. Students study art criticism, art history, cultural arts, art production, and aesthetics. Students work with pencil, colored pencil, pen and ink, graphic design, figure drawing, portraiture, and sculpture.

Adv. II Dim./III Dim. Art II (INH415)

Full year course; 1 credit/semester

Prerequisite: Adv. II Dim./III Dim. Art

This advanced arts course is for those students who have completed Adv. II Dim./III Dim. Art and have been recommended by the art teacher. The course is a studio-type setting with independent projects directed by the teacher. Students explore various art periods and develop work that is self-expressive. Students work in the media that they prefer with projects that introduce new techniques.

Intermediate Chorus (INH422)

Full year course; 1 credit/semester

Intermediate Chorus is a vocal ensemble consisting of students in grades 9-12. An audition for Intermediate Chorus is not required. Students perform both sacred and secular music in a variety of styles arranged in SATB format. Students learn proper vocal care, vocalizing and breathing techniques, sight-singing and performance practices. Students also practice listening skills as well as analyzing of performances by the group and others. Literature consists of both sacred and secular texts and is in SATB format. Students participate in school concerts as well as community events, field trips and local and state festivals. Vocal practice outside the classroom is expected. Grading is based on in-class participation and concert attendance. Concert attire and attendance is required.

FINE ARTS DEPT., cont.

Music Theory/Composition (INH441)

Full year course; 1 credit/semester

Music Theory is a course designed for students who may pursue music in college. Students must have had a least one year of ensemble training and know how to read music. The goal of this class is to give students a biblical worldview of music and how it is used to glorify God through its construction. Music Theory explores the structure of music and the creativity upon which it is composed. Students gain knowledge through sight-singing, melodic and rhythmic dictation, analysis, and composition.

Advanced Band (INH435)

Full year course; 1 credit/semester

This course provides students with a balanced, comprehensive study of music and performance. Students must have had at least three years of ensemble experience to participate. Ensemble and solo activities are designed to develop elements of musicianship, including but not limited to: tone production, technical skills, intonation, music reading skills, listening skills, analyzing music, and studying historically significant styles of literature. Advanced classroom experiences include but are not limited to: sight-reading, improvising, conducting, and playing by ear. Students develop the ability to understand and convey the composer's intent in order to connect the performer with the audience. Students also have the opportunity to experience live performances by professionals during and outside of the school day. A limited number of public performances may serve as a culmination of daily rehearsal and musical goals. Students are required to participate in performance opportunities outside of the normal school day that support and extend learning in the classroom. Concert attire and attendance is required.

PHYSICAL EDUCATION & HEALTH DEPARTMENT

Health (INH605)

1 semester course; 1 credit

Grade Level: 10

This course is meant to present a Biblically-based foundation for a healthy lifestyle. The course focuses on the five major areas that define wellness: physical health, emotional health, social health, mental health, and spiritual health. Health is taught on the premise that we are not our own and that we should strive to glorify God in every area of our lives.

Physical Education I (INH603B)

1 semester course; 1 credit

Grade Level: 9

This course emphasizes health-related physical fitness and lifelong participation in a variety of athletic activities. Students are expected to come prepared, dressed in appropriate physical education attire, keep a weekly fitness log and journal, and demonstrate proper teamwork and sportsmanship during their participation in class. Physical fitness testing emphasizes cardio-respiratory endurance, muscular strength and endurance, flexibility, and body composition. Students are introduced to functional training exercises and sports such as basketball, soccer, ultimate Frisbee, indoor hockey, flag football, and softball.

Physical Education II (INH605B)

1 semester course; 1 credit

Grade Level: 10

This course promotes lifelong fitness and a personal commitment to healthy fitness habits. Students are involved in weekly weight training activities, a variety of team and individual sports, and physical fitness testing. This course also provides students with the opportunity to create and lead new class activities twice throughout the semester. Additionally students will learn proper sportsmanship, social interaction, and intrinsic motivation. Assessment includes written and performance based skill observations, weekly journal checks, and quarterly fitness tests.

MULTIDISCIPLINARY

Cadet Teaching (INH043)

Full year course; 1 credit/semester, Elective credit

Grade Level: 11-12 (in good academic standing)

A current teacher recommendation, placement availability, placement teacher acceptance, administrator approval required

Cadet teaching is designed to give students a “hands-on” introduction to teaching. Students are assigned to a teacher and assist in various activities. Activities may include tutoring students, preparing bulletin boards, reading to students, teaching art lessons, preparing recess games and other activities as assigned by the teacher.

Peer Tutoring (INH045)

Full year course; 1 credit/semester up to 2 (elective) credits

Grade Level: 10-12 (in good academic standing)

Placement availability, placement teacher acceptance, administrator approval required.

Peer tutoring provides high school students with an organized exploratory experience to assist students in kindergarten through grade twelve with their studies and personal growth and development. The course provides opportunities for the students taking the course to develop a basic understanding of individual differences and to explore career options in related fields. Peer Tutoring experiences are preplanned by the teacher trainer and any cooperating teacher under whom the tutoring is to be provided. The course provides a balance of class work relating to the development of and use of: (1) listening skills, (2) communication skills, (3) facilitation skills, (4) decision-making skills, and (5) teaching strategies.

FOUR YEAR PLANNER

Diploma Type: _____ Core 40
_____ Core 40 w/Academic
Honors

9th Grade

1. English I *or* Hon. English I _____
2. Math _____
3. Computer Applications/PE
4. Biology I
5. Bible I
6. _____ (Elective)
7. _____ (Elective)

10th Grade

1. English II *or* Hon. English II _____
2. Math _____
3. Health/PE
4. Science _____
5. Bible II
6. _____ (Elective)
7. _____ (Elective)

11th Grade

1. English III *or* AP Lang./Comp. _____
2. U.S. History *or* AP U.S. History _____
3. Bible III
4. Math, Physics or Elective _____
5. _____ (Elective)
6. _____ (Elective)
7. _____ (Elective)

12th Grade

1. English IV *or* AP Lit./Comp. _____
2. U. S. Government *or* AP Gov. _____
& Economics
3. Bible IV _____
4. Math, Physics or Elective _____
5. _____ (Elective)
6. _____ (Elective)
7. _____ (Elective)

**Actual course offerings are dependent on sufficient class enrollment.*