

## Summer Academy Offerings, 2009

### Business & Computer Science

#### TECHNOLOGY EXAM PREP COURSE

This four day course prepares students with some computer proficiency to take the *Technology Exam*. It is designed to help students review the concepts covered on the exam as well as provide a hands-on review of software used at Wheaton Academy. Content includes operating systems, file management, the internet, effective researching techniques, Microsoft Word, Microsoft Excel, Microsoft PowerPoint and basic computer troubleshooting. **On the final day of the course, the Technology Exam will be given and students who score at least an 80% on the exam meet the Technology requirement.** Recommended for incoming freshmen who have had some computer experience.

**Grade Level:** 9, 10, 11, 12      **Credits:** 1  
(upon successful completion of Technology Exam)

#### ECONOMICS AND PERSONAL FINANCE

Economics is a course designed to expose the student to the basic concepts of economics and personal financial management. Students will learn the basic concepts of the market economy, and practical lessons of financial management. Special emphasis will be placed on the characteristics of Biblical stewardship of finances. This course will meet the senior economics requirement.

**Grade Level:** 12      **Credit:** 1

### English

#### SHAKESPEARE'S COMEDIES

Shakespeare is the foremost figure in Western Literature. Students will learn and explore reasons why so many love his works while developing skills to enjoy his drama and poetry independent from the classroom setting. During this unique summer school session students will explore 3 to 4 comedies (*Twelfth Night*, *A Midsummer Night's Dream*, *As you like it*, and *Much Ado About Nothing*) as well as the historical framework of each of these plays. This course meets the senior English literature requirement.

**Grade Level:** 11, 12      **Credit:** 1

#### WRITING WORKSHOP

This course prepares students for the variety of writing that they will experience in college, such as personal narratives, persuasive essays, literary explication, analytical essays and critical reviews. Students will sharpen both higher order writing skills (organization, development, emphasis, etc.) and lower order writing skill (usage and mechanics). The class will function in a workshop format in which students interactively work as a community of writers. Student work will culminate in a final portfolio. Meets senior English writing requirement.

**Grade Level:** 12      **Credit:** 1

*Summer Academy Offerings, 2009 (continued)*

*Fine Arts*

**FUNCTIONAL CERAMICS I & II**

In this course we will explore both wheel and hand-building techniques. Students will create, glaze and fire their own unique pieces. Designed for both the novice and those with experience, this course will allow students to progress in a variety of skills including throwing, trimming, coil, slab, pinch, handles, lids, surface embellishment and glaze. Credit will be given for either Ceramics I or Ceramics II, depending on student's level. A materials fee is included in the stated tuition. Meets a Fine Art requirement.

**Grade Level:** 9, 10, 11, 12      **Credit:** 1

**VIDEO PRODUCTION**

This course introduces all aspects of video production. Students will work both individually and collaboratively, expanding their visual literacy and technical skills while using digital technology. As well, students will see how to compose a shot within a frame, while learning how to think artistically. Meets a Fine Art requirement.

**Grade Level:** 9, 10, 11, 12      **Credit:** 1

*General Elective*

**IVY LEAGUE PREPARATION AT NORTHWESTERN UNIVERSITY**

During June, Wheaton Academy students who are interested in considering a college education at an Ivy League or other highly selective university have an opportunity to participate in a specialized preparation program offered by Northwestern University in Evanston., Wheaton Academy students may enroll in one or two weeks of "Ivy League Modules." **Module One** will be focused specifically on the Ivy League application process (writing essays, completing applications, SAT prep., etc.). Students will have the option of boarding at Northwestern during this week. **Module Two** is a continuation of the program and includes actual visits and tours of Harvard, Yale, MIT and Princeton, including contact with the Admissions Office, along with stops at the Naval Academy and Washington, D.C. **Module One** is a prerequisite of **Module Two**. Daily transportation to and from Northwestern will be the responsibility of the family.

**Grade Level:** 11, 12      **Credit:** 1

**NAVIGATING THE TRANSITION TO COLLEGE**

This class is designed to prepare students for the college application process. Students will explore various types of colleges, prepare college applications and essays, and learn strategies for taking the ACT and SAT tests. The course will also include such topics as choosing a major, evaluating college ranking systems, interviewing, campus visits, scholarships and financial aid.

**Grade Level:** 11, 12      **Credit:** 1

### EXPLORING CHINA

This course/trip will offer an amazing opportunity to study, visit and explore one of the most interesting and increasingly influential countries in the world. Students may simply take the full day class for a week and a half (**Session 1**) or go on and include a visit to China for the second week and a half (**Session 2**).

During **Session One** students will meet on campus and glean a broad understanding of eastern and western cultures. Then, students will get to know the historical China from Genghis Khan to Chairman Mao and the modern People's Republic of China, the host to the 2008 Summer Olympics. Included in this unique experience, WA students will take day "road trips" to Northwestern (Evanston) and have the opportunity to learn about another culture but also help visiting Asian international students grasp what is it like to live and study in America. The Asian high school students from Northwestern will also visit and interact with summer school students at Wheaton Academy. As an option and based on family interest, WA students will have the opportunity to host an Asian student in his/her home over a weekend, giving the visiting students a chance to see an American family, visit their community and attend church.

**Session Two** of the experience is an exciting ten day trip to China. Famous site visits could include: The Great Wall, The Forbidden City, the largest public square in the world, Tiananmen Square, Kioung Pokgung Palace, Magnificent Markets and of course the National Stadium, the "Birds Nest" (home of the 2008 Summer Olympics). Enjoy Peking duck and other "real" Chinese food while meeting and interacting with the Chinese people. Cost of Session One will be similar to the regular summer school tuition. Additional dates and fee details for Session Two will be made available during an informational meeting prior to registration.

**Grade Level: 10-12 Credit: 1-2**

### *Mathematics*

#### ALGEBRA ESSENTIALS

Algebra Essentials is a course provided for students to engage the essential concepts of Algebra. It will stress a systematic approach to problem solving and will reinforce students' previous knowledge of number systems. Topics covered will include: Real numbers, Algebraic Expressions, Equations and Inequalities with one variable, Polynomials, Rational Expressions, Linear Systems, Systems of Linear equations, Radicals, Quadratic equations and functions. Open to students who have completed at least one semester of Algebra I.

**Grade Level: 9, 10, 11, 12 Credit: 1**

#### GEOMETRY ESSENTIALS

Geometry Essentials is a course provided for students to engage the essential concepts of Geometry. It will emphasize the logical methods of thinking through deductive reasoning. Topics covered will include: Points, Lines, Planes, and Angles, Deductive Reasoning, Parallel lines and Planes, Congruent Triangles, Quadrilaterals, Inequalities in Geometry, Similar, Polygons, Right Triangles, Circles, Area (Plane figures & Volume of Solids), Coordinate Geometry, and Transformations. Open to students who have completed Algebra I and at least one semester of Geometry.

**Grade Level: 9, 10, 11, 12 Credit: 1**

## Summer Academy Offerings, 2009 (continued)

### Physical Education & Health

#### DRIVER'S EDUCATION (TOP DRIVER)

June 8-July 1, **Monday -Thursday**

Classroom and behind-the-wheel instruction prepares the student to obtain an Illinois driver's licenses. This course is offered at Wheaton Academy, but is taught by Top Driver Driving School. This class meets over a different time period to meet State requirements. Instead of the Wheaton Academy tuition, parents pay the Driver's Education fee directly to Top Driver Driving School. Meets one semester of the five Physical Education requirements at WA.

**Grade Level:** age 15 and older **Credit:** 1

#### HEALTH

This course is designed to help students recognize the value of attaining and maintaining good health. The class includes a topical look at nutrition, human sexuality, controlled substances, and fitness. Students will develop an individualized health plan for personal fitness and nutrition. Meets the Health requirement.

**Grade Level:** 10, 11, 12 **Credit:** 1

#### PHYSICAL EDUCATION

With an emphasis on cardiovascular fitness, the summer Physical Education class will offer a variety of activities appropriate to the summer including activities such as bicycling and tennis. Trips are planned to enhance student learning. Meets one of the five semesters of required Physical Education at WA.

**Grade Level:** 9, 10, 11, 12 **Credit:** 1

#### INTRO TO ROCK CLIMBING

This course is designed in conjunction with the PE department and will incorporate running, hiking, biking, and weight training alongside the regular fitness of indoor rock climbing. Students will have the opportunity to build relationships with each other and grow personally, socially, spiritually and physically. Meets one of the five semesters of required Physical Education at Wheaton Academy.

**Grade Level:** 9, 10, 11, 12 **Credit:** 1

### Science

*Students are limited to ONE summer school science class through high school career.*

#### BIOLOGY

In this course, students will consider the diversity and complexity found in the array of organisms God has designed for our world. The course takes a hierarchal approach, proceeding from the cell up to the organization of the biosphere. Topics include: Cells, Heredity, Creation & Evolution, Structure of Plants and Animals, Ecology and Environmental concerns. Meets the requirement for one year of Biology. *Students interested in taking AP or Honors level courses in science are encouraged to take Biology during the regular school year.*

**Prerequisite:** Physics and Chemistry

**Grade Level:** 11, 12 **Credit:** 2

#### CHEMISTRY

Chemistry is the ongoing investigation of matter – its composition, structure, properties, and changes thereof. Chemicals and their properties affect our lives in more ways than we can imagine. Students will learn about chemistry through a variety of activities including lectures, demonstrations, experiments and other hands-on activities. Meets the requirement for one year of Chemistry. *Students interested in taking AP or Honors level courses in science are encouraged to take Chemistry during the regular school year.*

**Prerequisite:** Physics

**Grade Level:** 10, 11, 12 **Credit:** 2

### PHYSICS

This course uses a conceptual approach to Physics featuring hands-on interactions with the subject matter. The format maximizes the students' personal understanding of the everyday world without requiring the use of higher-level mathematics.

Topics include: Mechanics, Sound and Light, Special Relativity, Electricity and Magnetism, Atomic and Nuclear Physics.

*Students interested in taking AP or Honors level courses in science are encouraged to take Physics during the regular school year.*

**Prerequisite:** Algebra I

**Grade Level:** 10, 11      **Credit:** 2

### Social Studies

#### ANCIENT HISTORY

This course will cover the time period from the Creation of the world through the Middle Ages. The class will focus on the development of civilization and emphasize the ancient "Biblical" people groups including Israel, Egypt, Babylon, Phoenicia, Assyria, Neo-Babylonia, and Persia. Students will examine the contributions of Greece and Rome as well as the spread of Islam, the Ottoman Empire, and the development of Europe. Finally, the class will conclude with a study of the Middle Ages as the "Age of Faith". For each of the civilizations studied, the geography, political and economic development, and the cultural and lasting contributions will be emphasized.

**Grade Level:** 9      **Credit:** 1

### GOVERNMENT & CURRENT ISSUES

This course will include a study of government, both federal and state as well as critical issues facing our culture. Students will be required to take and pass the Constitution test with a 75% in order to meet graduation requirements. The class will include a detailed study of the Constitution, the three branches of government, the role of political parties, interest group and the media in politics, and a look at Illinois state government. The course will conclude with an evaluation of key societal and political issues. There will be a strong emphasis on the role of the Christian in government and politics with a desire to equip students to participate in government and politics in a transformational way.

**Grade Level:** 12      **Credit:** 1

### PSYCHOLOGY

This one semester course has a dual focus. Our study will lead to a comprehensive overview of the field of psychology with special academic emphasis on personality theories, developmental psychology, and abnormal psychology. Integrated into these studies will be a variety of other topics such as creativity, perception, learning, stress, and motivation. Thus, the course will be "college prep." However, the consistent application of the "academic" information to life and learning will make this course a "life prep" course as well with its numerous life long lessons. As we better understand ourselves, we will better understand each other-our parents, siblings, friends, and others who inhabit the world around us.

**Grade Level:** 11, 12      **Credit:** 1

*Summer Academy Offerings, 2009 (continued)*

*World Languages*

**SPANISH ESSENTIALS**

This course will review and reinforce the concepts and vocabulary taught in Spanish I and II. Students will continue to build listening, reading, speaking and writing skills. Grammar is taught in context. Incoming freshmen who are unsure of Spanish placement are encouraged to enroll in this class.

**Prerequisite:** 1 semester of Spanish  
**Grade Level:** 9, 10, 11, 12      **Credit:** 1

**ADVANCED SPANISH ESSENTIALS**

This course will provide a thorough and intense review of Spanish grammar and idioms, as well as writing, listening and speaking techniques. Upon completion, Spanish placement for the following school year will be evaluated. Students should have an interest in taking the AP Spanish exam.

**Prerequisite:** Spanish III or Spanish IV, teacher recommendation  
**Grade Level:** 12      **Credit:** 1

**LATIN I ONLINE**

The purpose of this course is to give you a foundation in Latin grammar and vocabulary. This course will also acquaint you with Olympic gods and with the everyday life of the Roman man-in-the-street. *There is an additional charge for this class.*

**Grade Level:** 9, 10, 11, 12      **Credit:** 2

**CHINESE I ONLINE**

This is a beginning level course that will introduce the student to a variety of areas of Chinese (Simplified). Students will learn listening, speaking, reading and writing skills through activities that are based on pedagogically proven methods of foreign language instruction. Throughout the five units of material (Places, Family, Food, Activities, and School), students learn to express themselves using an ever increasing vocabulary. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. Culture is sprinkled throughout the course in an attempt to help the learner focus on the Chinese speaking world and their culture, people, geographical locations and histories. The course is aligned to the national Foreign Language standards. *There is an additional charge for this class.*

**Prerequisites:** 2 years of a World Language  
**Grade Level:** 10, 11, 12      **Credit:** 2