

HOPKINS ACADEMY HIGH SCHOOL



PROGRAM OF
STUDIES
2009-2010

HIGH SCHOOL
PROGRAM OF STUDIES 2009 - 2010

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MESSAGE TO PARENTS

The Program of Studies is published to describe the courses for the 2009-2010 academic year and to aid the students and parents, together with the school, in choosing suitable and challenging programs. It is important that the information in this booklet be read carefully.

If you have any questions regarding the content of any course, or the courses most appropriate for your son/daughter, please feel free to contact the Guidance Department at 584-1106.

It is our goal to provide students with a challenging and interesting curriculum to meet the ever-increasing demands of society.

We sincerely hope the offerings contained within this Program of Studies will aid each student in preparing for the future.

**HOPKINS ACADEMY
GRADUATION REQUIREMENTS
FY 10**

1. 20 credits in English (English 9,10,11 and 12)
2. 15 credits in Mathematics
3. 15 credits in Social Studies (starting with the class of 2012, US History I, US History II, Modern World History are required)
4. 15 credits in Science (Integrated Science and Biology are required)
5. 10 credits in Physical Education
6. 2.5 credits in Developmental Wellness
7. 42.5 credits in additional electives
8. 10 credits World Languages (unless approved waiver)

TOTAL CREDITS REQUIRED 130

- Five credits are normally granted for a course, which meets one period a day for a full year.

These graduation requirements indicate the minimum credits needed to receive a diploma from Hopkins Academy. Students and parents must realize that the minimum requirements for graduation from Hopkins Academy are not adequate for admission to many four-year colleges and universities. Therefore, we strongly urge that students take specified courses and complete additional credits in order to meet admission standards to these schools. We also recommend that all students visit the guidance office on a regular basis to discuss future plans, specific course needs, and available options.

Failure to meet all graduation requirements by the close of school (2:00) on the last day of senior classes will result in a student not being allowed to participate in the commencement exercises and senior week activities.

Seniors identified as being in danger of not graduating receive the following:

1. *Certified letter at mid-year*
2. *An evaluation meeting with the guidance counselor that includes a student signing a summary of their current status*
3. *Another certified letter after third quarter*
4. *Numerous other contacts beyond mid-term reports and report cards.*

Students in grade ten will be taking a competency test (MCAS) mandated by the Education Reform Act of 1993. The passing of this test in English, Mathematics and Science/Technology (class of 2010) by students is a prerequisite for graduation from high school. Students starting with the graduating class of 2010 must satisfy one of the following two conditions in both English Language Arts and Mathematics to earn a competency determination:

1. meet or exceed the Proficient threshold scaled score of 240 on the English Language Arts and the grade 10 MCAS tests, **or**
2. meet or exceed the Needs Improvement threshold scaled score of 220 on the English Language Arts and Mathematics grade 10 MCAS tests and fulfill the requirements of an Educational Proficiency Plan.

Special Notes

1. Generally credit will not be granted to a student for a withdrawal prior to the normal ending of the course. Exceptions may be made by the principal for good cause such as transferring to or from another school, early graduation, and other unusual circumstances.
2. All students in grades 9 through 12 are expected to be enrolled in a minimum of the equivalent of 40 credits (eight class periods) during each marking period.
3. Class standing: (promotion/retention graduation requirements)

32.5	credits to be a sophomore
67.5	credits to be a junior
100.0	credits to be a senior
130.0	credits to graduate

Note: Homeroom assignments will be made on the basis of credits earned. A student who has not completed the minimum for his/her class will be assigned a lower grade homeroom.

Program adjustments and waivers

1. The principal may grant a waiver relating to a specific course or courses. These waivers may be granted in cases involving early graduation, lack of supported background credit data when entering Hopkins from another school, students who are disabled and are receiving specialized instruction at locations other than Hopkins, and as determined by the principal other cases, which would result in an extreme hardship for a particular student.

2. In the past students have on occasion been allowed credit for courses taken at nearby colleges and universities. According to the Education Reform Act, students may now receive both high school and college credit for these courses. However, students must apply in writing to the guidance counselor and receive approval from the principal before undertaking this option. Parents and students are responsible for any college fees or tuition.
3. Credit and level overrides are possible at the discretion of the principal and approval by the individual teacher. They are done on an individual contract basis.
4. Independent study is available to students, with approval of parents. Arrangements must be made with the teachers(s) and the guidance office. Approval of the principal is required.
5. It is not possible to foresee all situations that might require program adjustments and waivers. While there is a need for flexibility, accountability aspects also need to be considered. In order to control adjustments and waivers, the principal is the only person authorized to grant such changes.
6. Work-study is available to seniors, with parental approval, only if all other requirements can be completed. Students must apply through the Guidance Department and sign a work-study agreement to be eligible.

Summer School:

Students are allowed to make up courses failed during that academic year in summer school provided that the student earned a 60 or above for at least one marking period on his/her report card. Credit will normally be granted for said courses completed in approved summer school when a student receives C- or better. Tuition payments and transportation costs are the responsibility of students and parents.

*Any student who fails English for the year should make it up in the summer immediately following the course. Failure to do so will result in the student not graduating with his/her class. Students cannot take two English courses simultaneously.

Special notes relating to physical education:

1. Students may be excused from the physical education requirement for the following reasons:
 - a. Medical reasons such as extended illness, disability, or injury. The school reserves the right to have medically excused students examined by the school physician or school nurse.
 - b. In cases of hardship or extenuating circumstances, and only with prior approval of the principal.

2. Students will be allowed to take more than one physical education class only when a prior failure has occurred.

3. Students who cannot participate in skills due to short-term injuries (up to two weeks) or previous illness must be report to class and observe all instruction.

4. Students will not be excused from the physical education requirement through their participation in courses or activities outside of school.

5. Failure to attend class on a regular basis will result in a failure for the course and jeopardize graduation requirements. Our physical education instructor will consider each case on its merits and when appropriate, may assign papers, reports, etc., as make-up work for lost time. This procedure will be allowed for legitimate absenteeism only.

Course Add/Drop

The cut-off for adding or dropping a course is the last Wednesday in September, which is September 25, 2009. Any changes after this date requires the recommendation of teachers involved and the approval of the principal.

ENGLISH DEPARTMENT

Twenty (20) credits, or four (4) courses of English, are required for graduation. All courses are designed to strengthen skills in reading, writing, listening, and speaking, as well as to develop an appreciation of our own cultural heritage and those of other peoples.

AP English 12

Course # 042
Level AP

Grade 12
Credits 5

AP English 12: English Literature and Composition is a rigorous college-level course. The reading is challenging; the writing is frequent and requires an independent mind. Students can expect to read several novels as well as plays, long poems, essays, and shorter works over the course of the year, and are expected to complete additional summer reading prior to the start of the course. Writing goals focus on developing accuracy, depth of thinking, and fluency through frequent assignments of short focus papers and longer analytical essays in response to literature. The seminar-like nature of the class demands that students take an active role in class each day through careful preparation and participation. The workload and expectations will be demanding for this yearlong course.

Prerequisite: Minimum grade of B average in previous English class or permission of instructor required.

English 12

Course # 041
Level I

Grade 12
Credits 5

English 12 incorporates a survey of British and postcolonial literature and emphasizes development of writing skills. Frequent essays are required, which emphasize voice, organization, development and proper use of conventions. In addition, students are required to select a British author and do extensive independent reading, maintaining a response journal to evaluate, question, and interpret the works. A research paper is required.

Prerequisite: English 11

English 11

Course # 031
Level I

Grade 11
Credits 5

English 11 is a survey course of American literature with historical and cultural perspectives. Writing and thinking skills necessary for college are emphasized through frequent essays, journal entries, collaborative writing, and oral presentations. A research paper is also required. Grammar, usage, and mechanics are presented in conjunction with the writing process, and vocabulary study is developed from both vocabulary texts and class reading. Critical reading, writing, and independent thinking are the focus throughout this yearlong course.

Prerequisite: English 10

English 10

Course # 021
Level I

Grade 10
Credits 5

In this course students continue the study of the four literary genres with a focus on world literature. Research projects are required with emphasis on evaluating sources, correct in-text citation and basic literary analysis skills. Composition practice continues to emphasize effective communication by reinforcing the writing process in writing for various purposes. Vocabulary growth is encouraged through the study of derivatives and words in the context of readings.

Prerequisite: English 9

Journalism I (NOT OFFERED 09-10)

Course # 060
Level I

Grades 10-12
Credits 5

This course is an introduction to print journalism. Students learn to write the various types of articles for a newspaper. The course covers the process of publishing a newspaper from collecting material to the actual publication of a newspaper. Students develop the skills needed for desktop publishing; e.g., the computer program PageMaker, layout design, and headline writing. Students in this class do most but not all of the writing for Hawk's Claw. Strong language skills are necessary in this course. Class size is limited.

Journalism II (NOT OFFERED 09-10)

Course # 063
Level 1

Grades 10-12
Credits 5

Students continue to develop and practice the various writing styles used in print journalism and polish their desktop publishing skills. Students in this course take the responsibilities of editors, and, therefore, must be willing to work after school when necessary. This course also covers legal cases affecting scholastic journalism. Assessment areas include stories, assigning stories, copyediting, proofreading, computer layout, and tests. Class size is limited.

Prerequisite: Journalism I (with a minimum grade of B)

Creative Writing NEW COURSE

Course #046
Level 1

Grades 10-12
Credits 5

Students in this course will generate free writing in a journal, study models of good writing, and experiment with poetry and prose. Class will focus on writing workshop model and creating a supportive environment for exploring all kinds of writing. Students will also learn techniques for evaluating writing and may use these techniques to evaluate submissions to the school literary magazine. The Bird's Word, which is an extra-curricular activity. Therefore, students taking this class may also choose to become a part of the Bird's Word staff, although participation is not required for the course. Class size is limited.

English 9

Course # 011
Level I

Grade 9
Credits 5

In this course students study the literary genres of short story, novel, drama, poetry and nonfiction. Close reading skills are emphasized. Journals, class participation, frequent writing, and projects as well as tests and quizzes are used to encourage both analytical and creative responses to literature. We further develop the writing process introduced in middle school, which emphasizes graphic organizers, proper form, and a clear ratio of concrete details to commentary. Our aim is to give students a method for planning, writing, and evaluating essays, using some simple guidelines. Grammar, usage, mechanics, and vocabulary study complete the requirements for this course.

Yearbook Layout and Design

Course # 059
Level I

Grades 10-12
Credits 5

This is a yearlong course intended for students who are interested in journalism. Enrollment is limited and requires prior approval of the course instructor. Since this is an independent study, prerequisites include a recommendation by an English teacher and/or the faculty adviser for the school yearbook. Students study the elements of computer layout of the yearbook, marketing, sales, photography, copy writing and editing. The actual submission of pages and sections of the yearbook are the chief assessment tools.

SOCIAL STUDIES DEPARTMENT

Psychology

Course # 140
Level I

Grade 11-12
Credits 5

First semester Psychology introduces the fields of psychology and the scientific method. The intent throughout the course is to tie scientific issues to corresponding applications in everyday life. The focus in this semester will be cognitive processes and the forces behind behavior including motivation, emotions, and physiology. Students will examine and discuss current trends and themes in psychology and how these affect their lives. Students will be expected to read beyond the textbook, conduct activities out of the classroom, and write papers.

The focus in the second semester will be on several different aspects of behavior. The individual is examined through developmental changes from birth to death and through key theories of personality. Behavioral problems, their diagnoses, and potential treatments are also studied. The course ends by examining societal influences on behavior. Students will be encouraged to explore their own special interest in psychology through choices of activities and a research paper.

Current Events

Course #142
Level I

Grades 9-12
Credits 5

In this yearlong course, students will examine headline news, media, and current issues. Through the use of newspapers, magazines and other media, students will consider the events of the day in politics, culture, sports, science and foreign affairs. In this discussion-based class, students will discover how current events impact their individual lives.

U.S. History I

Course # 132
Level I

Grade 9
Credits 5

Students will examine key issues, events and people in American history from Native American civilizations to Reconstruction. The course is organized both chronologically and topically depending on the period being studied. Key topics will include: the American Revolution, the growth of democracy and the Constitution, Westward expansion, and the Civil War. Skills which will be addressed include: reading for critical thinking, note taking, researching, writing, map and graph skills, utilizing primary sources, and developing discussion/presentation abilities.

U.S. History II

Course # 134
Level I

Grade 10-11
Credits 5

The time period covered in this yearlong course is from Reconstruction following the Civil War through today. Topics addressed include the settling of the American West, urbanization, industrialization, immigration, the rise of the U.S. as a world power, the World Wars, the Depression, the Cold War, Vietnam and the 60's, and American politics and society at the end the 20th Century. Skills emphasized in the course are those of organization, oral and written communication, and analysis of graphs and charts. Videos, guest speakers, and primary sources are used where appropriate. Long-term projects are assigned quarterly. An original research project paper on a topic developed by the student will be done in the spring.

Prerequisite: U.S. History I

AP Modern European History NEW COURSE

Course #533
Level AP

Grades 11-12
Credits 5

The Study of European History since 1450 introduces students to cultural, economic, political, and social developments that plays a fundamental role in shaping the world in which they live. In addition to providing a basic narrative of events and movements, the goals of AP European History are to develop an understanding of some of the principal themes in Modern European history, an ability to analyze historical evidence and historical interpretation, and an ability to express historical understanding in writing.

AP U. S. History

Course # 130
Advanced Placement

Grades 11-12
Credits 5

Students will explore topics and themes in U S History from the colonial period through today. The first few weeks of the course will be spent developing a basic chronological understanding of approximately 250 years of U S History. For the rest of the year specific problems of our past will be considered in depth. Efforts will be made to link historical developments and trends with the present through extensive use of primary sources, student research projects, and classroom discussion. Historical writing skills will be emphasized with three research papers in the fall and an extensive thesis paper in the spring. Weekly document based question essays will also be required. Two novels will be read and analyzed.

Prerequisite: (with a minimum grade of B average in previous social studies classes)

World History II

Course # 126
Level I

Grade 11
Credits 5

This yearlong course is designed to further develop critical thinking, historical research, and writing skills through the study of various world cultures. It also responds to a student's need for knowledge of the world at large by connecting the present day state of events to the past. Study will begin with a review of the Age of Nations and Empires, colonialism, then cover the World Wars, the Cold Wars, and post industrial society up until the present day. Units may include geography, language, history, government, the economy, literature and the arts.

Hands on Massachusetts (NOT OFFERED 09-10)

Course # 143
Level I

Grades 9-12
Credits 5

This yearlong course will explore Massachusetts History through projects, discussions, guest speakers and fieldtrips. The course is designed so students may explore and discover how local and regional events are connected to national issues on their own, by emphasizing the use of primary source materials and research skills. Some of the topics covered will be Natural History, the Settlement of Plymouth, Witch Trials (Other than Salem) and the Abolition Movement in Northampton.

American Democracy: Truth Justice and the American Way

Course # 117
Level I

Grades 11-12
Credits 5

Students enrolled in this course will learn the fundamentals of courtroom procedure during the first half of the year, including the role of prosecution and defense attorneys, witnesses and judges. Judicial vocabulary will be emphasized along with rules of decorum. Written work will include the preparation of opening and closing trial statements, briefs, case theories and line of questioning. Courtroom re-

enactments will enable students to put their knowledge to work in trial situations. Historical trials will be examined for attorney strategies and the application of the law.

For the second half of the year, students will examine the relationship between their rights and responsibilities as citizens participating in the maintenance of a democratic society. Topics to be explored will include: federalism, the structure of the three levels of government (local, state, and federal), the operation of the party system, and issues critical to their new role as voters. Constitutional law with related Supreme Court cases will be emphasized. Themes such as participation, justice, liberty, privacy, and patriotism will also be explored. There will also be an opportunity to assess the significance of America's global responsibilities from the perspective of international peace and development.

20th Century Conflict
(NOT OFFERED 09-10)

Course # 135

Grades 11-12

Level I

Credits 5

The most violent century in world history witnessed the development of industrial war in which entire societies were mobilized for and caught up in unprecedented levels of destruction. In this yearlong course students will analyze the roots of conflict, the impact of changing technology on modern warfare, and the development of the warfare state. Conflicts ranging from the Boer War to the Iraq Conflict will be examined along with World War I and World War II, the Korean Conflict and the 1st and 2nd Indochina Wars. Asymmetric Warfare will be contrasted and compared to more traditional forms of warfare. The course will conclude with an examination of the lethality of force in the 21st century.

Students will utilize a wide variety of sources and will write a series of short analytical papers. Videos will be used as well as simulations.

Sociology
(NOT OFFERED 09-10)

Course # 141

Grades 11-12

Level I

Credits 5

Sociology will address issues of contemporary society in order to develop an accurate understanding of American society and its integration into the larger world system. Students will examine political, familial, religious, and educational institutions and their impact on society as well as the individual. Through reading, research, and discussion, students will be encouraged to develop their ability to analyze the role of social structures in contemporary issues such as poverty, racism, and crime.

SCIENCE DEPARTMENT

Physics

Course # 239

Grades 11-12

This class is designed for those students who plan to enter a science or liberal arts field or those juniors who wish to take A.P. Physics (B) as seniors. The course is an introduction to the basic concepts of physics, and will require knowledge of Algebra and basic Trigonometry. The first part of the course will deal extensively with Newtonian Mechanics and will be followed by studies of electrical and magnetic phenomena. Students will be expected to participate in: lectures, lab activities, homework assignments, field trips, class discussions and demonstrations. Video presentations, computer simulations and computer probes will also be used extensively.

Prerequisites: Algebra II or permission of instructor is required.

**AP Biology
NEW COURSE**

Course # 225
Level AP

Grade 12
Credits 5

This college level biology course is designed for students who have a serious interest in the study of biology beyond the introductory level. This course will include extensive lab work, and college level coursework. Laboratory experiments will include an in depth study of topics typically studied in the first year college biology course, and will introduce more detail to the processes of diffusion and osmosis, enzyme catalysis, mitosis and meiosis, photosynthesis, cell respiration, molecular biology, genetics, evolution, and transpiration. If time allows, students will dissect a dogfish and a cat. All students are expected to take the Advanced Placement Biology examination upon completion of the course.

Prerequisites: The course is open to juniors and seniors who have successfully completed College Preparatory Biology with a B or better or permission from instructor.

Advanced Chemistry

Course # 234
Honors

Grade 12
Credits 5

This second year chemistry course is designed for the student who has successfully completed a college preparatory chemistry course and is interested in furthering her/his education in chemistry. Students taking this course should have a fundamental knowledge of the periodic table, chemical equations and stoichiometric calculations. They must be able to demonstrate proper laboratory safety procedures and techniques, and be able to collect and analyze data. This course will offer a more in depth study of some concepts covered in a first year chemistry course and will introduce more detail concerning concepts dealing with acids and bases, equilibrium, thermodynamics and redox reactions, not previously covered.

Successful completion of this course will require each student to participate in a project where the student will perform continued independent research, compile her/his findings, prepare a written report, and present it to the community.

Prerequisite: Chemistry

College Preparatory Chemistry

Course # 231
Level I

Grades 11
Credits 5

This yearlong high school chemistry course is a laboratory course. The focus of this course is on forming a basic understanding of the chemistry of substances encountered in daily life and on the basic skills needed to be chemically literate. The safe practice of lab techniques and use of chemicals in school, work, and at home will be stressed. Understanding is developed by using the discovery approach in the classroom and laboratory. Students can be prepared for various lab activities, regular homework assignments, lab reports, projects, class work, class discussions, quizzes and tests. Students must have a scientific calculator.

Prerequisite: Algebra I

College Preparatory Biology

Course # 221 Grade 10
Level I Credits 5

This introductory biology course will involve a comparative study of life. Rather than investigate each level of life separately, all levels of life will be viewed together to show differences and similarities. A good deal of emphasis will be placed on the molecular aspect of many cellular processes, along with the systems of the body and the plant and animal kingdoms. Many of the topics studied will be supported by lab work.

Environmental Science

Course # 220 Grades 11-12
Level I Credits 5

Environmental science is a yearlong activity-based course for any student interested in learning more about the environment, both natural and man made, and the balance between them. Students will be involved in some study of the local ecosystems and microhabitats. New England ecology will also be studied and a basic foundational understanding of global ecology established. Students will participate in various lab activities and projects throughout the year.

Investigative Science: Forensics

Course # 222 Grades 10
Level I Credits 2.5

The primary focus of this lab-based class is on practicing forensic science and analyzing physical evidence found at crime scenes. This laboratory-based course will teach the basic processes and principles of scientific thinking. Students will make use of working with complex problems involving numerical data, evidence, uncertainty and logical reasoning.

Integrated Science

Course # 210 Grade 9
Level I Credits 5

This is a yearlong academic, laboratory based course. Students will be involved in an interdisciplinary study of earth, life, and physical science. Building upon concepts previously introduced electricity and magnetism, and the exploration of chemistry. References will be made to daily life processes. This is an activity-based course, which requires student participation in demonstrations, laboratory exercises, discussions, projects, regular homework assignments, quizzes and tests, as well as participation in the annual Science Fair. The student is required to have a calculator and notebook.

MATHEMATICS DEPARTMENT

Four levels of courses are offered at Hopkins Academy in an effort to accommodate the varied aptitudes and interests of students. The Level I courses are designed for the majority of our students and include all the requirements necessary for entrance to four-year colleges. Level II courses do not meet the requirements for entrance into 4-year college. Calculus is an Advanced Placement course and follows the guidelines set by the College Board. In accordance with NCTM standards, all math courses are taught with the aid of computers, calculators, and graphing calculators, as appropriate; however, *their use will be restricted as determined by the teachers.*

AP Calculus

Course # 341	Grade 12
Level AP	Credits 5

This senior level course is for those motivated students who plan to enter the fields of math, science or engineering. Topics to be covered in the course include a study of functions, limits, derivatives, integration and their applications. The course curriculum is set by the College Board and the workload will be structured and demanding.

Prerequisite: Pre-calculus and the approval of the Math Department

Pre-Calculus

Course # 331	Grade 11
Honors	Credits 5

This course is designed for those students who have shown interest and ability in mathematics and have successfully completed courses in Algebra II and Geometry and with a B or better and/or have the recommendation of the teachers. Topics to be covered in some depth include linear and quadratic equations and inequalities, graphing, functions, trigonometry, exponents and logarithms, vectors, complex numbers, and advanced graphing as time allows. This course is a prerequisite for calculus.

Statistics and Probability

Course# 310	Grades 11-12
Level I	Credits 5

This course is designed for the student who successfully completed a course in Algebra II with a “C” or better, and/or has the recommendation of the teacher. This course is a basic overview of statistics and probability, including data analysis, distributions, confidence intervals, hypothesis testing,

correlations, and regressions. Students are encouraged to have a graphing calculator, such as the TI-83.

Advanced Algebra and Trigonometry

Course # 342
Level I

Grades 11-12
Credits 5

This course is designed for the student who has successfully completed a standard course in Algebra II. The basic study of algebra is continued in the study of polynomial functions, conic sections, systems of equations and inequalities, progressions and series, and logarithms. The survey of trigonometry includes trigonometric functions, their uses, graphs and identities, and the use of the functions for solving triangles.

21st Century Business Mathematics

Course# 348
Level II

Grades 11-12
Credits 5

This course is designed to develop competency in mathematics for business use. Basic mathematical skills will be reviewed to help prepare students for work and study in trades, semi-professional occupations and other careers after graduation. This course covers such areas as sales, marketing, distribution, accounting, and production. Students will manage a virtual hotdog stand and virtual band. They will use math, data analysis, and problem solving skills, to make critical decisions to keep their store or band profitable. Students will then transfer these skills to managing the Hopkins school store.

21st Century Consumer Math (NOT OFFERED 09-10)

Course # 320
Level II

Grades 11-12
Credits 5

This course concentrates on computational skills that high school students need in solving consumer problems in every day life. It also develops skills in basic math needed for future work and study in trades, semi-professional occupations and other careers. The course covers such areas as decimals, measurement, fractions, percent, banking services, investments, income taxes, owning a car, owning a home, applying to college, and creating a budget. Students will create characters that they will follow from high school graduation to retirement..

Integrated Mathematics I

Course # 349
Level II

Grades 9-10
Credits 5

This course is for those students not following the traditional college preparatory math sequence.

The Integrated Math I course is designed for math students desiring an introduction to the basic language of algebra and geometry. Topics covered will include problem solving strategies, fractions, decimals, real numbers, equations, data analysis, statistics, graphs, ratios, proportions, and percents.

Integrated Mathematics II

Course # 350
Level II

Grades 10-11
Credits 5

This course is for those students not following the traditional college preparatory math sequence and who have successfully completed Integrated Mathematics I

Integrated Mathematics II is a review and continuation of the basic algebra and geometry skills of Integrated Mathematics I. Topics covered will include simple interest, percent increase and decrease, angles, parallel lines, polygons, triangles, prisms, integers, probability, equations, and functions.

Algebra II B

Course # 332
Level I

Grade 11
Credits 5

This is a course designed for students who have successfully completed courses in Algebra I and Geometry. Included in the course are a review of the basic concepts of Algebra I, linear relations and functions, polynomials, equations and inequalities, quadratic relations and functions, probability, translations, matrices, and linear systems of equations.

Algebra II A

Course # 321
Honors

Grade 10
Credits 5

This course is designed for sophomores who have successfully completed courses in Algebra I and Geometry with a B or better and/or have the recommendation of their teacher. Included in the course are a review of the basic concepts of Algebra I, linear relations and functions, systems of equations, polynomials, equations and inequalities, quadratic relations and functions, conics, complex numbers, polynomial functions and exponential and logarithmic functions.

Geometry 10B

Course # 322
Level I

Grade 10
Credits 5

Geometry B is a course designed to follow successful completion of Algebra I in 9th grade. It offers an introduction to basic geometric figures and to inductive and deductive reasoning. It provides

a thorough introduction to Euclidean geometry. Algebraic skills are reviewed periodically and applied to solving problems in geometry. Additional topics include area, volume, geometric constructions and coordinate geometry.

Geometry 9A

Course # 311
Honors

Grade 9
Credits 5

This course is designed for 9th grade students who have successfully completed Algebra I in the 8th grade with a B or better and/or have the recommendation of their teacher. The basic structure of geometry, inductive and deductive reasoning, construction, and transformations will be studied. Algebraic skills are reviewed periodically and strengthened as algebraic methods are applied to solving problems and coordinate geometry.

Algebra I B

Course # 312
Level I

Grade 9
Credits 5

This course serves as an introduction to the basic language of algebra. Emphasis will be placed on working with real numbers, solving equations, inequalities, related problems and statistics and probability, with continued reinforcement of basic math skills. Other topics to be covered are polynomials, graphing of functions, and systems of linear equations as time allows.

WORLD LANGUAGE DEPARTMENT

Course # 411 French I
Course # 412 Spanish I
Level I

Grade 9
Credits 5

This is a TPRS (Teaching Proficiency through Reading and Storytelling) course, meeting every other day for a full year, which continues the program started in the middle school. Students will acquire listening, speaking, reading, and writing skills in the target language through increasingly more advanced stories, mini-novels, group work, and skits. Culture will be presented with videos, research projects, and holiday celebrations.

Course # 421 French II
Course # 422 Spanish II
Level I

Grade 10
Credits 5

This is a TPRS (Teaching Proficiency through Reading and Storytelling) course, meeting every other day for a full year. The prerequisite for this course is successful completion of the level I. course. Students will continue to improve their listening, speaking, reading, and writing skills through stories with more advanced grammatical concepts, mini-novels, group work, and skits. Culture will be continued with videos, research projects, and holiday celebrations.

Course # 431 French III
Course # 432 Spanish III
Honors

Grade 11
Credits 5

This is a TPRS (Teaching Proficiency through Reading and Storytelling) course, meeting for the full year. The prerequisite for this course is successful completion of the level II. course. Students will

strengthen their command of the spoken and written language through stories, novels, skits, and realia. They will present themselves in present, past, and future tenses, being aware of more complex structures of the target language.

Course # 441 French IV
Course # 442 Spanish IV
Honors

Grade 12
Credits 5

This is a TPRS (Teaching Proficiency through Reading and Storytelling) course, meeting for the full year. The prerequisite for this course is successful completion of the level III. course. Students will refine their listening, speaking, reading, and writing skills through stories, novels, skits, and cultural media.

TECHNOLOGY/BUSINESS EDUCATION

Computer Applications in Business (NOT OFFERED 09-10)

Course # 505
Level I

Grades 11-12
Credits 5

This course will teach students how to use technology to obtain knowledge pertaining to the business world. Students will learn basic business and economic principles while using technology tools that will able them to further their education in all fields.

This class will teach students how to do the following: learn the proper research and Internet search techniques while researching business and economics topics; learn how to read and construct, graphs, data tables and charts commonly found in the business world; learn how to put together a slide show presentation using multi-media tools.

Business Law (NOT OFFERED 09-10)

Course # 503
Level I

Grades 11-12
Credits 5

This course covers three major areas: our judicial system, business law, and understanding case problems. The course is designed to familiarize students with our legal system and the types of legal problems they will encounter in everyday life. The Commercial Code and analyzing case problems relating to business situations will be covered. In addition to regular reading and writing assignments, as well as tests, and quizzes, a research paper is a requirement of this course. This course is highly recommended for all students planning on entering college and majoring in a business field. It is offered based on interest and enrollment.

Introduction to Computers

Course # 510
Level II

Grades 9-12
Credits 5

Students will build on the knowledge learned in Middle School pertaining to the MS “Works Version 4” word processor, database, and spreadsheet. They will learn the history of calculating devices and computers, will be introduced to desktop publishing, and explore the social and ethical implications of computing. The purpose of this course is to make students more productive at school and on the job, and to prepare them for more advanced software packages.

Advanced Computers

Course # 509
Level II

Grades 10-12
Credits 5

In this course, students will learn computer programs such as website design software, animation software, and photography and graphic editing software. Software titles included in the class are Dream Weaver, Photo Shop and Flash. After completing this course, students will be able to design and manage websites and advertise themselves as a Webmaster. Most all work will be done in class and the final will include designing, from scratch, a website representing a local business.

Prerequisite: Intro to Computers

ART DEPARTMENT

Visual Arts Methods & Materials 1,2,3,4

Course # 714
Level II

Grades 9-12
Credits 2.5

This short block class meets every other day. It is designed to give students the opportunity to broaden and develop a working art vocabulary while exploring a variety of techniques both 2D & 3D. Students will learn foundational skills in drawing, painting, ceramics, sculpture, printmaking, computer graphics and design. Students will have the opportunity to understand and apply studio production, art history, art criticism, and aesthetics through individual exploration in the arts. Students must maintain a portfolio of sketches and finished work.

Visual Arts & Media Literacy 1,2,3,4

Course # 715
Level II

Grades 9-12
Credits 5

This year long course will meet every other day. It is designed to give students the opportunity to broaden and develop their working art vocabulary, while exploring a variety of techniques, both 2D & 3D. They will work in mixed media, including drawing, painting, ceramics, sculpture, printmaking, computer graphics, multimedia, design, digital photography, video production and PowerPoint presentations. Students will build on their experience and understanding of studio production, art history, art criticism and aesthetics. Students must maintain a portfolio of sketches and finished work.

Portfolio Preparation/Independent Study

Course # 725
Level I

Grade 12
Credits 2.5 or 5

This course is designed for the serious art student who wishes to apply to a college art program, put a portfolio together and learn more about art history. Work is done independently during other art classes, after school, and /or at home, depending upon the instructor's and the student's schedules. Along with the required project work there will be an independent study of art history in order to better acquaint the student with the art and artists of the past as they influence our present culture. Students must maintain a portfolio of sketches and finished work. Permission of the instructor is required.

FAMILY AND CONSUMER SCIENCE DEPARTMENT

Courses in Family & Consumer Science (FCS) prepare students for their transition to the adult world and family life.

Foods & Nutrition

Course # 615	Grades 9-12
Level II	Credits 5

This course encourages students to broaden their understanding and appreciation of food. Students work in groups to practice decision-making and time management skills while cooperating in food preparation efforts. Topics will include food safety and sanitation, basic measuring and food preparation techniques, food and nutrition career exploration, microwave cooking, ethnic cooking, meal planning within a budget, research projects on nutrition and related diseases, analyzing food labels, analyzing fast food ad modifying recipes to make them healthier. Students will use food labs to demonstrate their knowledge of food preparation techniques.

Family & Consumer Science

Course #620	Grades 9-12
Level II	Credits 2.5

The Family and Consumer Education Department acknowledges that today's students will comprise the families, workplaces and communities of tomorrow. This course will introduce students to a variety of topics. Each quarter will cover a different topic related to independent living, clothing and textiles, parenting and food preparation. The Independent living unit will cover checking accounts, credit and consumer rights and responsibilities. The Clothing and textiles unit will teach students how to sew on a button and basic mending stitches. Students will also learn how to take care of their clothing and how to use the sewing machine for simple repairs. These skills will be reinforced through the process of making a simple project. Students will learn food preparation techniques, modifying recipes to make them healthier, and investigate food safety and sanitation rules during the Foods & Nutrition unit. The parenting unit will teach students about the physical, emotional/social and intellectual development of children up to the age of six.

Early Childhood Education

Course # 613	Grade 12
Level II	Credits 5

This course provides students an opportunity to learn more about children through hands-on activities at the Hadley Elementary School. Seniors will be assigned to a specific teacher at the elementary

school based on their interest. Students must provide their own transportation and keep a detailed journal of their experiences.

*This course will be offered during Periods B, C, E, & F only.

*Prerequisite: Permission of the Family & Consumer Science Teacher

Independent Living

Course # 613
Level II

Grade 12
Credits 5

“Independent Living” is designed to help students meet the challenges of their daily lives with confidence. This course will offer experiences that will help students to think about, discuss, and develop the necessary for everyday living. Content includes buying a new or used car, managing a checkbook, budgets, credit and credit cards, finding a job and job interviews, apartment contracts and choosing housing, laundry and other issues students need to know about when going out to live on their own. This course is taught in a variety of ways: readings, discussions, lectures, speakers, projects, and journal assignments. THIS IS NOT A COOKING COURSE.

JUNIOR/SENIOR FAMILY & CONSUMER EDUCATION ELECTIVES

(In conjunction with Grade 11 and 12 Physical Education)

** On Step-Up Day students will rank their interest in the following courses. Courses will be offered in order of interest.

Independent Living

Course # 618
Level II

Grades 11-12
Credits 2.5

“Independent Living” is designed to help students meet the challenges of their daily lives with confidence. This course will offer experiences that will help students to think about, discuss, and develop the necessary skills for everyday living. Content includes buying a new or used car, managing a checkbook, budgets, credit and credit cards, finding a job and job interviews, apartment contracts and choosing housing, laundry and other issues students need to know about when going out to live on their own. This course is taught in a variety of ways: readings, discussions, lectures, speakers, projects, and journal assignments. THIS IS NOT A COOKING CLASS.

Practical Parenting

Course #622
Level II

Grades 11-12
Credits 2.5

Children are part of everyone’s life whether one is a sibling, baby-sitter, neighbor, camp counselor, day-care provider, parent teacher or doctor. “Practical Parenting” provides the opportunity to learn

about reproduction, pregnancy, the birthing process, and the physical, emotional/social and intellectual development of children up to age of six.

Foods and Nutrition

Course # 619
Level II

Grades 11-12
Credits 2.5

This course encourages students to broaden their understanding and appreciation of food. Content includes nutrition, food safety and kitchen sanitation, modifying recipes to make them healthier, planning meals within a budget, multi-cultural research projects/preparing foods, and food preparation using a variety of topic areas. Students will also work in teams to practice decision-making and time management skills while cooperating in food preparation efforts.

Clothing and Textiles

Course # 621
Level II

Grades 11-12
Credits 2.5

In this course students will learn how to sew on a button and basic hand stitches that can be used for mending. They will also learn how to use a sewing machine. Students will learn about the characteristics of different fabrics, wardrobe planning, how to take care of their wardrobe, sewing equipment and safety will also be covered. This is a yearlong; hands on course and students are expected to choose projects that will match their sewing abilities. Projects may include one stuffed animal, quilts, valances, curtains or pillows for your home decorating, and clothing items such as bow ties, boxer shorts or sweat pants. The class will also be responsible for a community service project.

MUSIC DEPARTMENT

Band

Course # 700
Level II

Grades 9-12
Credits 2.5

The Hopkins Academy Band consists of two entities: a concert band and a marching band. Members play in both bands. The concert band performs a minimum of two concerts per year, and in some years participates in competitions. The marching band performs a minimum of five times per year, and also will participate in competitions. This class meets every other day, as well as occasional evening rehearsals dictated by Music Festival competitions.

Basic Music Theory and Harmony (NOT OFFERED 09-10)

Course # 706
Level II

Grades 11-12
Credits 5

This is a study of forms and harmony starting with simple triad and, chord progression, in addition to all basic musical concepts, continuing into harmony and four-part writing. Ability to read music is required.

Band Lab: Get Your Groove On
(NOT OFFERED 09-10)

Course
12
Level II

Grades 9-

Band Lab is a yearlong class designed for students who wish to enhance their skills and understanding of concert and competition music. The class is dedicated mostly to practice, with private tutoring by the instructor. It is also designed to increase the endurance of the student musician.
Prerequisite: Demonstrated ability on a concert band instrument.

Jazz Band

Course # 704
Level II

Grades 9-12
Credits 5

This is a Jazz Band lab class focusing on an understanding of Jazz while learning to create and play numerous Jazz selections. Sign-up requires demonstrated ability and instructor permission. All who enroll are members of the Hopkins Jazz Band and will participate in all evening rehearsals, performances, and competitions.

Composition
(NOT OFFERED 09-10)

Course # 720
Level II

Grades 9-12
Credits 2.5

This is a study of the basic techniques of transferring musical ideas to paper and the construction of musical forms. Basic Music Theory and Harmony is a prerequisite for composition.

Chorus

Course # 702
Level II

Grades 9-12
Credits 2.5

The Hopkins Academy Chorus is a four-part singing ensemble that performs contemporary music at concerts and related activities in and out of school. This class meets every other day for the year.

PHYSICAL EDUCATION DEPARTMENT

Physical Education

Course # 940

Grades 9-12

Physical education is required for all high school students in grades 9-12. Students must successfully complete four years of physical education unless the requirement is waived by the school principal. Classes emphasize team sports, individual and dual sports, recreational and lifetime activities. The objectives of the program are to promote physical fitness, develop motor skill techniques, increase cardio-vascular capacity, and to place an emphasis on life long activities. Emphasis is also placed on sportsmanship, social skills, knowledge of rules, safety, and an insight into proper personal hygiene.

Possible Physical Education offerings include:

Archery	Badminton	Floor Hockey
Soccer	Basketball	Golf
Flag Football	Aerobics	Field Hockey
Ultimate Frisbee	Team Handball	Volleyball
Snowshoeing	New Games	Fitness Testing
Pickle Ball	Table Tennis	Fitness & Nutrition
Recreational Games		

HEALTH DEPARTMENT

Developmental Wellness

Course # 950
Level II

Grade 9
Credits 2.5

The primary goal of this 9th grade wellness course is to prepare students to be advocates for their personal health and for the health of their community. Topics such as self-esteem, decision-making, media influence and relationships will be discussed under the central theme of human sexuality. Students will learn about physical, social and emotional aspects of adolescent development including personal safety, substance abuse, disease prevention, and the human life cycle. Specific topics on male and female reproductive systems, conception, fetal development, communication, gender identity, abstinence, responsible sexual relationships, contraception, sexual harassment and abusive relationships will also be discussed. Students will be evaluated on their participation in class, through individual projects, quizzes and tests.

Academic Support

Course #054
(Only offered H period)

Grades 9-12
Credits 0

Study Skills is a yearlong course. The purpose is to give students the opportunity to gain the knowledge, skills, attitudes and self-discipline they need to succeed in high school and beyond. Areas of focus in the course include time management and organizational skills, note taking and reading skills, writing skills, memory improvement and test taking skills. As well as having a tutorial focus,

this course is also aimed at improving student's self-advocacy skills. The course will focus on skills students need as they transition from high school to post secondary schooling and the work force.

Work-Study

Course # 646/01
Level II

Grade 12
Credits 10

The main objective of the Work-Study program is to provide an opportunity for high school students to continue their education while gaining valuable work experience under supervision. The Work-Study experience is designed to develop desirable work attitudes and promote understanding of the relationship between formal education and job success through supervised part-time employment as part of the total school program. Students will earn academic credit for the work experience that will count towards their high school diploma. (cannot replace any courses required for graduation) Students are granted permission to participate in this program only after consultation with the principal and guidance counselor. Students in Work-Study are expected to enter into a contract with the school, and among other things, are expected to fulfill all requirements of the academic courses assigned for the school phase of their program.

VIRTUAL HIGH SCHOOL GUIDELINES

Students in grade 11- 12 may enroll in VHS if they meet the following criteria; maintained a 3.0 as a senior or 3.25 as a junior or better average in the same subject area (Ex.-Science courses for AP Environmental Science) and/or have the approval of previous same subject area teachers as well as successful completion of any prerequisite courses. It is anticipated that VHS courses will require at least as much time, organization and preparation as equivalent Hopkins courses. Students must have the ability to work independently and possess solid computer skills. Students not meeting the criteria but wishing to enroll, must submit their

request in writing to the principal during the prescribed enrollment period, which will result in a review of current academic performance, test scores and teacher feedback. The principal will then make the final decision. **Seniors have preference.**

The following guidelines apply:

1. Students may only enroll in **courses not offered** at Hopkins Academy.
2. Core course **requirements cannot** be met through VHS courses.
3. Students may select a single semester VHS course only if they agree to take another semester VHS course during the same time block for the second semester (the two semester long courses would equal one full year course for credits and weight).
4. All VHS courses will be **credited and weighted the same** as equivalent courses at Hopkins Academy.
5. Students must report to the library during the scheduled period under the supervision of the Librarian/VHS Site Coordinator. The VHS course instructor, **not the Site Coordinator**, will determine grades, which will be submitted to Hopkins Academy for report cards and transcripts.
6. The Administration and guidance Department **may recommend** VHS courses to accommodate specific, unusual individual student needs (i.e., irresolvable scheduling conflicts or transfer situations).

HOPKINS ACADEMY **ACADEMIC INDEPENDENT STUDY PROGRAM**

The Academic Independent Study (IS) Program provides an opportunity for student in grades 11 and 12 to obtain academic credit for learning acquired through an individualized program of study under periodic guidance by a faculty advisor. The following Academic Internships are typically considered: Hadley Elementary School, Yearbook, Guidance, Library, Physical Education, and most academic courses.

Guidelines

1. Students who wish to participate in an Academic Independent Study Program must initiate the request with the teacher. The advising teacher, Guidance Director, and the Principal will determine the credit awarded for an Academic Independent Study. It is the right of the teacher to determine whether or not he/she will advise such a program. The Principal gives final approval for an Academic Independent Study Program.

2. The student and advising teacher will develop a contract for the program. The contract will include detailed course outcomes, goals of the program, the projected amount of credit expected, due dates, and method of evaluation. At no time will the number of credits to be earned exceed 5 credits. The student must assume all responsibility for successful completion of the Independent Study Program.

3. All proposals for an Academic Independent Study Program must be submitted on or before June 1, 2008 for consideration for the following school year. NO EXCEPTIONS!!

4. A student may pursue only one Academic Independent Study Program per year. An Academic Independent Study may not be taken in lieu of a required course. The following criteria is considered when a student registers for an Academic Independent Study:

- The course must be taken when the student is a junior or a senior.
- The student must be in good academic standing (2.5 minimum GPA) at the time of the request; and, an acceptable attendance and behavior record.
- The student must demonstrate how the academic independent study course will benefit him/her in his/her future.
- The course outcomes must be designed to meet the guidelines in the Hopkins Academy Statement of Purpose, along with the school and department exit outcomes.
- The student must complete and present a final project to the advising teacher.
- The student must be scheduled within a classroom and assigned to the advising teacher during the period designated for the Academic Independent Study.

Although unlikely, it is recognized that a student may need to take an Academic Independent Study course to replace a course that he/she cannot take due to unavoidable scheduling conflicts, or due to the fact that a course (found in the Hopkins Academy Program of Studies) is not given during that particular year. This is, of course, contingent upon all of the above expectations being met and must be approved by the Principal.

5. Evaluation of the student is the responsibility of the advising teacher. The advising teacher must submit the final evaluation (grade) of the student in accordance with the Hopkins Academy academic calendar. Grades are P/F.

6. All submissions for an Academic Independent Study proposal must be typed and attached to the student's course registration form. A template is available in the guidance office and on the guidance web page.

7. Credit for the course will be granted only after successful completion of the program.

HOPKINS ACADEMY PERMISSION FORM

Request for Academic Independent Study Program

This form must be typewritten and attached to your course registration form.

Deadline: On or Before June 1st, 2009.

Student's Name:

Grade:

Advising Teacher's Name:

Credits:

1. Title of Project:

2. Outline the goals of your Academic Independent Study Program:

3. Detail the expected course outcomes:

4. What will be the tangible results i.e. final project, presentation, web site?

5. How will you benefit by taking this Academic Independent Study Program?

6. The Academic Independent Study Program will begin on _____ and end on _____.

7. How often will you meet with the advising teacher?

8. The proposed method of evaluation will be:

Student Signature

Guidance Counselor Signature

Parent Signature

Principal Signature