

Kentucky Virtual High School

2007-2008

Prerequisite and Course Materials List



www.kyvs.org

Or call 866.432.0008 for more information

1/17/2008

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*AP and Advanced Placement Program are registered trademarks of the College Entrance Examination Board, which was not involved in the production of this document.

Studying Online with KVHS

Student Qualifications

In general, students registering for Kentucky Virtual High School (KVHS) courses should be self-motivated and good independent learners. Because these courses are web-based, students should have basic keyboarding skills and be comfortable with getting online, using email, and using a word processor. Specific content knowledge prerequisites are found in each course description.

Most KVHS courses are structured for grades 9 -12, but are open to qualified middle school students with the recommendation of their school and approval of the course instructor.

Who Is “Most Likely to Succeed?”

Students who are successful in online courses generally have the following characteristics:

- **Solid academic preparation** - The student should have successfully completed the prerequisite coursework. All courses contain essay and open response components, therefore students should have basic mastery of writing and analytical skills as well.
- **Access to technology** – The student should have regularly scheduled access to an Internet-connected computer that meets KVHS’s minimum technical requirements. Students should run the browser test available on the Kentucky Virtual School’s blackboard system on their computer to confirm they meet the minimum technical requirements. (See the help tab for the browser test at: <http://kvhs.blackboard.com>). Students may also access their courses from home computers and any other relatively new Internet-connected computer to which they have regular access, such as those in public libraries.
- **Time and opportunity to study** – To be successful, students must have regularly scheduled time and opportunity to study and the self-discipline to stick to the schedule they establish. This often requires balancing competing priorities between the online course and extra-curricular activities. We strongly recommend that students have a specific class period during the day assigned for the KVHS course and additional time set aside for study at home. Students in Advanced Placement courses, especially, will need to schedule at least 12 hours per week for their course (about six hours online and six hours of offline study).
- **Students who value success** – Successful students in online courses have strong motivation and commitment. There is no “back row” in online classes, a student must be an active participant in all course activities, participating in class discussions and getting small group work done on time. Successful online students are generally very determined students who like to set their own goals and challenge themselves to meet them. Even students who come into a course not fully prepared academically are able to succeed through determination and pride in their work.
- **Strong support from school and home** – Students taking online courses are usually doing something “new;” that is, they may be the only online learner, or among a small group of students who are learning in a different way for the first time. In many cases, the online course may be the most rigorous course in the student’s schedule. Support from the school and from home will be very important as students balance competing priorities for time and face frequent deadlines. Students are far more likely to succeed if they have encouragement from adults who acknowledge the challenge and support the effort.

The Role of the School Contact

Schools make it possible for students to take Kentucky Virtual High School courses because the school is the final approval point in the registration process. However, registration is only the first part of the process of learning online. Schools have important roles to play throughout the course; the role most crucial to student success is that of the school contact.

Identifying the School Contact – After a student has been approved for a course, the Kentucky Virtual High School will ask that a school contact be named. Schools may identify the same individual for all KVHS students or name more than one individual if there are several students enrolled in different courses. The contact has no responsibilities for grading and so does not have to be a teacher, but should be someone who will take responsibility for supporting the student throughout the course and communicating with the KVHS teacher.

KVHS will need the name, title, mailing address, phone and email of the school contact(s). The school contact will have KVHS login credentials so that they may familiarize themselves with the course and log in to check student progress and activity logs.

The responsibilities of the school contact are:

- Making sure that the student has regularly scheduled access to an Internet computer
- Ensuring that the student has the Required Materials or other instructional materials before class begins. This includes:
 - Ensuring that the school procures any texts or other required materials that are needed and provides them to the student
 - Receiving any instructional materials that are mailed by KVHS to the school to be provided to the student
- Receiving midterm progress reports and final grades from KVHS Administration
- Advising KVHS Administration of any withdrawals and changes in enrollment
- Communicating with the KVHS teacher on an as-needed basis (email and phone)
- Proctoring certain assessments (usually only the final exam)
- Being KVHS's first point of contact for any online disciplinary issues
- Encouraging, coaching and generally being a caring advocate for the online student

Material and Textbook Procurement Policy

Required materials and textbooks specified in this catalog are not included in the course fee, unless otherwise noted. Public schools awarding credit to a public school student for a course taken through the Kentucky Virtual High School are responsible for purchasing the required textbook(s) and other instructional materials. KVHS has contracted with Specialty Books, Inc. at <http://www.specialty-books.com/kvhs> to make KVHS course materials available to our students, however course materials may be obtained from any textbook provider. KVHS will provide required course materials to students who have been awarded a Mary Jo Young AP scholarship for a KVHS Advanced Placement course.

2007/2008 Materials List by Content Area & Subject

Advanced Placement*

Required materials and textbooks specified in this catalog are not included in the course fee, unless otherwise noted. Schools awarding credit to a student for a course taken through KVHS are responsible for purchasing required textbook(s) and other instructional materials. KVHS will provide required course materials directly to students who have been awarded a Mary Jo Young AP scholarship for a KVHS AP course.

AP Art History

Prerequisites

Suggested prerequisites are at least a B in English Honors II, and/or at least a B in World History Honors.

Required Textbooks and Materials - <http://www.specialty-books.com/kvhs>

The cost of the required course materials is not included in the course fee. The local school is responsible for providing the following materials:

- *Gardner's Art Through the Ages (12th Edition)*. Kleiner, Mamiya, and Tansey, 2000. Wadsworth Publishing, ISBN #0-15-5050907. (This book includes both Volume I and Volume II.)

AP Biology

Prerequisites

Students should have successfully completed high school biology and high school chemistry.

Required Textbooks and Materials - <http://www.specialty-books.com/kvhs>

The cost of the course materials is not included in the course fee. The local school is responsible for providing these. KVHS will provide required course materials to students who have been awarded a scholarship for this course.

- *Biology, 7th Edition with CD-ROM*. Campbell and Reece, Benjamin/Cummings, 2005. ISBN 080537146X.
- Biology Concepts and Connections Pincode Packet (free online resource with the purchase of the book.)
- Biology Labs
 - On-Line FlyLab (Lab Manual for Biology Labs), Michael A. Palladino. ISBN 0805365273.
 - On-Line LeafLab (Lab Manual for Biology Labs). Michael A. Palladino. ISBN 0805365346.
 - On-Line EvolutionLab (Lab Manual for Biology Labs). Michael A. Palladino. ISBN 0-8053-6528-1.
- *AP Biology Laboratory Manual for Students* (2002) The College Board, <http://www.collegeboard.com> Item #99146

AP Calculus AB

Prerequisites

Students should have mastered Pre-Calculus.

Required Textbooks and Materials- <http://www.specialty-books.com/kvhs>

- MyMathLab Digital Student Access Card, Addison Wesley. ISBN-13: 9780321527509

Optional Textbooks (NOT REQUIRED-students may choose to purchase the textbook(s) listed to use as an additional resource for this course.

- *Thomas' Calculus Early Transcendentals Media Update: Early Transcendentals, Beginning & Intermediate, 11th edition, Hass, Giordano & Weir*, ISBN 9780131444423.

AP Calculus BC

Prerequisites

Students should have mastered Pre-Calculus.

Required Textbooks and Materials- <http://www.specialty-books.com/kvhs>

- MyMathLab Digital Student Access Card, Addison Wesley. ISBN-13: 9780321527509

Optional Textbooks (NOT REQUIRED-students may choose to purchase the textbook(s) listed to use as an additional resource for this course.

- *Thomas' Calculus Early Transcendentals Media Update: Early Transcendentals, Beginning & Intermediate, 11th edition, Hass, Giordano & Weir*, ISBN 9780131444423.

AP Chemistry

Prerequisites

Suggested prerequisites are Introduction to Chemistry and Algebra II.

Required Textbooks and Materials- <http://www.specialty-books.com/kvhs>

The cost of the course materials is not included in the course fee. The local school is responsible for providing these. KVHS will provide required course materials to students who have been awarded a scholarship for this course.

- *Inquiries Into Chemistry*, 3rd Edition. Michael R. Abraham and Michael J. Pavelich. Waveland Press, 2003. ISBN 1577660617

In addition, students will need a Texas Instruments TI-83 or higher graphing calculator.

Labs: Students will learn experimental lab methodology through a variety of computer-based learning activities. These activities are designed to incorporate the learning goals of the laboratory activities recommended by The College Board. Successful completion of these activities will prepare a student to answer the laboratory questions on the AP Science Exams. Because wet laboratory experience is an important component of college science courses, The

College Board recommends that AP science courses include wet laboratory activities. This course includes an optional wet laboratory component that schools or teachers can provide for their students. Wet labs require a lab supervisor, specified lab materials and the lab manual. To find a list of materials for the labs, go to <http://support.apexlearning.com>, choose the product you are using and click on Get Started, then click on Course and Lab Materials.

Optional Textbooks (NOT REQUIRED-students may choose to purchase one of the textbooks listed to use as an additional resource for this course)

- *Peterson's AP Chemistry*. Brett Barker. Arco, Thomson Learning, 2004. ISBN 0768918286.
- *Chemistry and Chemical Reactivity*, 6th Edition. John C. Kotz and Paul Treichel, Jr. Brooks/Cole Thomson Learning, 2005. ISBN 0534408001. Alternate edition also acceptable: 5th edition, 2003. ISBN: 003033604X
- *Chemistry*, 7th Edition. Steven S. Zumdahl and Susan A. Zumdahl. Houghton Mifflin Company, 2007. ISBN 061852844X. Alternate editions also acceptable: 6th edition, 2003 ISBN: 0618221565 OR 5th edition, 2000 ISBN: 0618035915.

AP Computer Science A

Prerequisites

Suggested prerequisites are Computer Basic I & II, Algebra II or currently taking Algebra II. Contact KVHS for approval.

Required Textbooks and Materials

There is no required textbook for this course.

AP English Language and Composition

Prerequisites

Student should have received a grade of at least a B in the student's most recent English course.

Required Textbooks and Materials- <http://www.specialty-books.com/kvhs>

The cost of the course materials is not included in the course fee. The local school is responsible for providing these. KVHS will provide required course materials to students who have been awarded a scholarship for this course.

- *The Norton Reader*. 11th Edition. John C. Brereton, Joan E. Hartman, and Linda H. Peterson. W.W. Norton & Company, 2004. ISBN: 0393978877. (10th Edition, 1996, is also acceptable, ISBN: 0393973832)
- *Writing, A College Handbook*. 5th Edition. James Heffernan, John E. Lincoln and Janet Atwill. W.W. Norton & Company, 2000. ISBN: 039397426X.

Required Readings

Students will be assigned additional readings throughout the course. These texts should be available in libraries and will not be required to be purchased.

AP English Literature and Composition

Prerequisites

The suggested prerequisite is at least a B in your most recent English course.

Required Textbooks and Materials- <http://www.specialty-books.com/kvhs>

The cost of the course materials is not included in the course fee. The local school is responsible for providing these. KVHS will provide required course materials to students who have been awarded a scholarship for this course.

- *The Norton Anthology of Poetry*. 5th ed. Ferguson, Salter et al, eds. C2005, W.W. Norton & Co. ISBN 0393979202 (4th Edition, 1996, is also acceptable, ISBN: 0393968200)
- *The Story and Its Writer: An Introduction to Short Fiction*. Compact 7th ed. Ann Charters, ed. C2007, Bedford/St. Martins. ISBN: 0312442718 (6th Edition c2002 ISBN:0312397313, or 5th edition c1998 ISBN: 0312171641 also acceptable)

Required Readings

Students will be assigned additional readings throughout the course. These books should be available in libraries and will not be required to be purchased.

- First semester readings:
- *Their Eyes Were Watching God*, Zora Neale Hurston
 - *Hedda Gabler*. Henrik Ibsen
 - *A Streetcar Named Desire*, Tennessee Williams
 - *Twelfth Night*, William Shakespeare
- Second semester readings:
- *The Great Gatsby*. F. Scott Fitzgerald
 - *Annie John*. Jamaica Kincaid
 - *Jane Eyre*, Charlotte Bronte

AP Environmental Science

Prerequisites

Students should have taken Biology, Chemistry and Algebra II.

Required Textbooks and Materials

There is no text required for this course.

Optional Textbooks and Materials- <http://www.specialty-books.com/kvhs>

The cost of the course materials is not included in the course fee.

- *Living in the Environment: Principles, Connections, and Solutions*. 14th Edition, G. Tyler Miller, Jr. Brooks Cole Publishing Company, ISBN#0534997295, <http://www.brookscole.com>

AP European History

Prerequisites

Suggested prerequisites are at least a B in your most recent social studies course and good writing skills. World Civilization is recommended but not required. Please contact KVHS for additional information.

Required Textbooks and Materials- <http://www.specialty-books.com/kvhs>

The cost of the course materials is not included in the course fee. The local school is responsible for providing these. KVHS will provide required course materials to students who have been awarded a scholarship for this course.

- *The Western Heritage: Since 1300*, 8th Edition Kagan, Ozment, Turner, 2003. Prentice Hall: Upper Saddle River, NJ. ISBN # 0131828835

AP French Language

Prerequisites

Students should have knowledge of the French language and familiarity with French cultures. Additionally, students must be able to speak, read, write, and comprehend auditory French passages. It is recommended students complete a minimum of three French credits before enrolling in this course.

Required Textbooks and Materials - <http://www.specialty-books.com/kvhs>

There is no text required for this course.

Students must have access to:

- French-English/English-French dictionary of choice.
- Headset, or microphone and speakers for computer.

AP German Language

Prerequisites

Students should have knowledge of the German language and familiarity with German speaking cultures. Additionally, students must be able to speak, read, write and comprehend auditory German passages. It is recommended students complete a minimum of three German credits before enrolling in this course.

Required Textbooks and Materials - <http://www.specialty-books.com/kvhs>

The cost of the course materials is not included in the course fee. The local school is responsible for providing these. KVHS will provide required course materials to students who have been awarded a scholarship for this course.

From McDougal Littell

- *Kaleidoskop*, 6th edition. Koeller, Liedloff, Adolph, and Mabee. ISBN 0-618-10312-0

Students need listening exercises to accompany the text and may choose from the following formats:

- Audiocassettes to accompany text (ISBN 0-618-10327-9)
- CDs to accompany text (ISBN 0-618-10329-5)

AP Human Geography

Prerequisites

The suggested prerequisite is the Successful completion of an introductory course in geography or Survey of Social Sciences.

Required Textbooks and Materials- <http://www.specialty-books.com/kvhs>

The cost of the course materials is not included in the course fee. The local school is responsible for providing these. KVHS will provide required course materials to students who have been awarded a scholarship for this course.

- *Places and Regions in Global Context: Human Geography*, 3rd Edition. Paul L. Knox and Sallie A. Marston, Prentice Hall Publ. ISBN#: 0-13-101518-4
- Barron's *How to Prepare for the AP Human Geography Exam*, Peter S. Alagona and Meredith Marsh, 0 7641 2094 8.
- Hammond Citation World Atlas (with CD ROM), Hammond World Atlas Corporation Publishers, ISBN 0-8437-1446-8

Latin Literature/AP Optional (KET)

Prerequisites

Successful completion of KET Latin III or teacher recommendation. Call KET at 1-800-333-9764 for approval.

Required Textbooks and Materials- <http://www.specialty-books.com/kvhs>

The cost of the required course materials is not included in the course fee. The local school is responsible for providing the following materials:

- *The New College Latin & English Dictionary*, AMSCO School Publications, Inc. ISBN #978-0-877-20561-6, Order No.: R617P (optional for classroom)
- Students must have access to Perseus Literature website for Catullus and Horace poems.

The student materials fee is \$10 for a student guide notebook which is invoiced from KET. Visit <http://www.dl.ket.org/kvhs/> for additional information.

AP Macroeconomics

Prerequisites

Students should have mastered the concepts of Algebra II.

Required Textbooks and Materials- <http://www.specialty-books.com/kvhs>

The cost of the course materials is not included in the course fee. The local school is responsible for providing these. KVHS will provide required course materials to students who have been awarded a scholarship for this course.

- *Macroeconomics for Today* (5th Edition), ed. Irvin B. Tucker, South-Western/Thomson Learning, 2005. ISBN 0324407998 **OR** 4th Edition, 2005 ISBN 0324301979 **OR** 3rd Edition, 2003. ISBN 0324114761

AP Microeconomics

Prerequisites

Students should have mastered the concepts of Algebra I.

Required Textbooks and Materials- <http://www.specialty-books.com/kvhs>

The cost of the course materials is not included in the course fee. The local school is responsible for providing these. KVHS will provide required course materials to students who have been awarded a scholarship for this course.

- *Microeconomics for Today* (5th Edition). Ed. Irvin B. Tucker, South-Western/Thomson Learning, 2007. ISBN 0324408005 **OR** 4th Edition, 2005, ISBN 0324301928 **OR** 3rd Edition, 2003 ISBN #032411477X

AP Physics C: Electricity and Magnetism

Prerequisites

Students should have mastered the concepts of Algebra II, Geometry, and Trigonometry. With regard to Physics preparation, it is recommended but not required that students take this course as a follow-up to a general high school physics course with a lab component.

Required Textbooks and Materials- <http://www.specialty-books.com/kvhs>

The cost of the course materials is not included in the course fee. The local school is responsible for providing these. KVHS will provide required course materials to students who have been awarded a scholarship for this course.

- University Physics with Modern Physics with MasteringPhysics™, 12th Edition. Young and Freedman, Addison-Wesley Publishing, 2008. ISBN: 9780805321876

AP Physics C: Mechanics

Prerequisites

Students should have mastered the concepts of Algebra II, Geometry, and Trigonometry. With regard to Physics preparation, it is recommended but not required that students take this course as a follow-up to a general high school physics course with a lab component.

Required Textbooks and Materials- <http://www.specialty-books.com/kvhs>

The cost of the course materials is not included in the course fee. The local school is responsible for providing these. KVHS will provide required course materials to students who have been awarded a scholarship for this course.

- University Physics with Modern Physics with MasteringPhysics™, 12th Edition. Young and Freedman, Addison-Wesley Publishing, 2008. ISBN: 9780805321876

AP Psychology

Prerequisites

Students should have successfully completed Biology or Intro-level Psychology course.

Required Textbooks and Materials- <http://www.specialty-books.com/kvhs>

The cost of the course materials is not included in the course fee. The local school is responsible for providing these. KVHS will provide required course materials to students who have been awarded a scholarship for this course.

- *Psychology*, 8th Edition. David G. Myers (2006), Worth Publishing. ISBN 0-7167-64288
- Barron's *How to Prepare for the AP Psychology Exam*, Robert McEntarffer and Allyson Weseley, 0 7641 2349 1.

AP Spanish Language

Prerequisites

Students should have knowledge of the Spanish language and familiarity with Spanish speaking cultures. Additionally, students must be able to speak, read, write and comprehend auditory Spanish passages. It is recommended students complete a minimum of three Spanish credits before enrolling in this course.

Required Textbooks and Materials- <http://www.specialty-books.com/kvhs>

The cost of the course materials is not included in the course fee. The local school is responsible for providing these. KVHS will provide required course materials to students who have been awarded a scholarship for this course.

From Wayside Publishing (<http://www.waysidepublishing.com> or email wayside@sprintmail.com), 129 Commonwealth Avenue, Concord, MA 01742, Telephone 888.302.2519

- *Triangulo: Aplicaciones Practicas de la Lengua Espanola*, 4th Edition, Student text, ISBN 1-877653-89-6
- CDs to accompany text, ISBN 1-877653-91-8

From Scott Foresman-Addison Wesley, 4350 Equity Drive, PO Box 2649, Columbus, OH 43216, Tel. 800-552-2259

- *Una Vez Mas, Student Text* (ISBN 0-8013-0971-9) and Student Test Book (ISBN 0-8013-0973-5)

AP Statistics

Prerequisites

Students should have mastered the concepts of Algebra II.

Required Textbooks and Materials- <http://www.specialty-books.com/kvhs>

There is no text required for this course. All students will need a Texas Instruments TI-83 or TI-84 graphing calculator. A TI-86 or TI-89 is acceptable but the course is written around the TI 83/4 family of calculators.

Optional Textbooks (NOT REQUIRED-students may choose to purchase one of the textbooks listed to use as an additional resource for this course. The first text listed is the most highly recommended.)

- *The Practice of Statistics*: TI-83/89 Graphing Calculator Enhanced Second Edition. Daniel S. Yates, David S. Moore and Daren S. Starnes. W.H. Freeman & Co. Publishers, 2003. ISBN: 0-7167-9743-7.
- *Barron's How to Prepare for the AP Statistics: Advanced Placement Test in Statistics*. 3rd Edition. Martin Sternstein, Barron's. ISBN 0764121936.
- *Introduction to Probability & Statistics*, 12th Edition. William Mendenhall, Robert J. Beaver, and Barbara M. Beaver, Brooks/Cole Thomson Learning, 2005. ISBN 0393927164

AP United States Government and Politics

Prerequisites

Students should have mastered the concepts of U.S. History and have good writing skills.

Required Textbooks and Materials- <http://www.specialty-books.com/kvhs>

The cost of the course materials is not included in the course fee. The local school is responsible for providing these. KVHS will provide required course materials to students who have been awarded a scholarship for this course.

- *Government in America: People, Politics, and Policy*. 12th Edition. George C. Edwards III, Martin P. Wattenberg, and Robert Lineberry. Longman Publishers, 2005. ISBN: 0321292545.
- *American Government: Readings and Cases*. 16th Edition. Woll, Peter, ed. Longman Publishing. ISBN: 0321329503.

AP United States History

Prerequisites

Suggested prerequisites are at least a B in your most recent social studies course and good writing skills.

Required Textbooks and Materials- <http://www.specialty-books.com/kvhs>

The cost of the course materials is not included in the course fee. The local school is responsible for providing these. KVHS will provide required course materials to students who have been awarded a scholarship for this course.

- *The American Pageant, A History of the Republic*. 12th Edition. David Kennedy, Lizabeth Cohen, and Thomas Bailey. Houghton Mifflin Company College Division, 2002. ISBN: 061810349X
- *After the Fact: The Art of Historical Detection*. 5th Edition. James West Davidson and Mark Hamilton Lytle. McGraw Hill Higher Education, 2005. ISBN: 0072818522.

Career and Technical Education

Introduction to Health Science

Required Textbooks and Materials- <http://www.specialty-books.com/kvhs>

The cost of the required course materials is not included in the course fee. The local school is responsible for providing the following materials:

- *Diversified Health Occupations*, 6th Edition. (2004) Louise Simmers. Delmar Learning, ISBN 1401814565.
- *Workbook to Accompany Diversified Health Occupations*, 6th Edition (Paperback), Louise Simmers. ISBN 1401814573

Electives

Business and Consumer Math

Required Textbooks and Materials

There is no required textbook for this course.

Business and Personal Protocol

Required Textbooks and Materials

There is no required textbook for this course.

Career Planning

Required Textbooks and Materials

There is no required textbook for this course.

English/Language Arts

Prerequisites

Recent revisions to the Program of Studies (704 KAR 3:303) allows courses to be taken out of sequence, as long as students have the opportunity to master all defined content prior to graduation.

8th Grade Language Arts

Required Textbooks and Materials

There is no text required for this course.

English I

Required Textbooks and Materials - <http://www.specialty-books.com/kvhs>

Students are not required to purchase books for this course. They may be borrowed from a public library. Students must have access to the following:

- *To Kill a Mockingbird*, by Harper Lee. ISBN 0446310786
- *The House on Mango Street*, by Sandra Cisneros. ISBN 0679734775
- *The Bean Trees*, by Barbara Kingsolver. ISBN 0061097314

English II

Required Textbooks and Materials- <http://www.specialty-books.com/kvhs>

Students are not required to purchase books or videos for this course. They may be borrowed from a public library.

- *Midsummer Nights Dream* (print copy) – William Shakespeare

Select one of the following:

- *The Pearl/The Red Pony* – John Steinbeck
- *Of Mice and Men* – John Steinbeck

Select one of the following:

- *Jane Eyre* – Charlotte Bronte
- *Great Expectations* – Charles Dickens
- *The Hot Zone* – Richard Preston
- *A Separate Peace* – John Knowles
- *Their Eyes Were Watching God* – Zora Neale Hurston

Students may rent this video from their local video store or borrow from their public library:

- *Midsummer Night's Dream* video

English III

Required Textbooks and Materials

Students are not required to purchase books or videos for this course. They may be borrowed from a public library.

Required Readings

Students will be assigned additional readings throughout the course. These texts should be available in libraries and will not be required to be purchased.

English IV

Required Textbooks and Materials- <http://www.specialty-books.com/kvhs>

Get A Clue – Online Subscription may be ordered from:
Tan-Jent Enterprises
Margaret Jennings
888-826-5368 or mmj@tan-jent-enterprises.com

Students are not required to purchase books or videos for this course. Both may be borrowed from a public library.

Select one of the following:

- *Angela's Ashes* – Frank McCourt
- *West with the Night* – Beryl Markham
- *Into Thin Air* – Jon Krakauer
- *The Perfect Storm* – Sebastian Junger
- *Ben & Jerry's Double Dip* – Ben Cohen, Jerry Greenfield

And one of the following books:

- *Brave New World* – Aldous Huxley
- *20,000 Leagues Under the Sea* – Jules Verne
- *1984* – George Orwell
- *Fahrenheit 451* – Ray Bradbury
- *Space Merchants* – Frederik Pohl, C. M. Kornbush
- *Anthem* – Ayn Rand

Students may rent these videos from their local video store or borrow from their public library:

- *Hamlet* (video)
- *The Importance of Being Earnest* (video and script of play)

Introduction to Creative Writing

Prerequisites

While there are no course prerequisites, students should have demonstrated interest in improving their abilities to write in a variety of forms and for multiple audiences and purposes.

Required Textbooks and Materials

There is no required text for this course. Instead, students will use specific websites, the school library and the Kentucky Virtual Library (www.kyvl.org) to access course readings and other materials.

Health/Personal Fitness

Health

Prerequisites

Students enrolled in this course should have successfully completed middle school Health.

Required Textbooks and Materials

There is no text required for this course.

Personal Fitness

Required Textbooks and Materials

There is no text required for this course.

Mathematics

Algebra I

Prerequisites

The student must have mastered middle level content as outlined in the *Kentucky Program of Studies*.

Required Textbooks and Materials- <http://www.specialty-books.com/kvhs>

- MyMathLab Digital Student Access Card, 3rd Edition, Martin-Gay © 2005 | Prentice Hall. ISBN: 9780132410403
- Students will need Texas Instruments TI-83 or higher graphing calculator.

Algebra II

Prerequisites

The student must have successfully completed Algebra I.

Required Textbooks and Materials- <http://www.specialty-books.com/kvhs>

- MyMathLab Digital Student Access Card, 3rd Edition, Martin-Gay © 2005 | Prentice Hall. ISBN: 9780132410403

Optional Textbooks (NOT REQUIRED-students may choose to purchase the textbook(s) listed to use as an additional resource for this course.

- *Beginning & Intermediate Algebra*, K. Bayn Martin-Gay, 3rd edition, ISBN 9780131444423.
- In addition, students will need a Texas Instruments TI-83 or higher graphing calculator.

Calculus

Prerequisites

Students should have mastered the content for PreCalculus.

Required Textbooks and Materials- <http://www.specialty-books.com/kvhs>

Optional Textbooks (NOT REQUIRED-students may choose to purchase the textbook(s) listed to use as an additional resource for this course.

- *Thomas' Calculus Early Transcendentals Media Update: Early Transcendentals, Beginning & Intermediate, 11th edition, Hass, Giordano & Weir, ISBN 9780131444423.*

Geometry

Prerequisites

The student must have mastered Algebra I content.

Required Textbooks and Materials

There is no text required for this course.

PreAlgebra

Required Textbooks and Materials- <http://www.specialty-books.com/kvhs>

- MyMathLab Digital Student Access Card, 3rd Edition, Martin-Gay © 2005 | Prentice Hall. ISBN: 9780132410403

Optional Textbooks (NOT REQUIRED-students may choose to purchase the textbook(s) listed to use as an additional resource for this course.

- Prealgebra 3rd Edition, (2005) Lial and Hestwood, Addison-Wesley. ISBN: 9780321266620

PreCalculus

Prerequisites

Students should have mastered the content for Algebra I and Algebra II, including an overview of Trigonometry.

Required Textbooks and Materials- <http://www.specialty-books.com/kvhs>

- MyMathLab Digital Student Access Card, | Prentice Hall ISBN: 9780131478947

Optional Textbooks (NOT REQUIRED-students may choose to purchase the textbook(s) listed to use as an additional resource for this course.

- Precalculus 7th edition. (2004) Pearson Prentice Hall. ISBN 9780131431201.

Science

Biology

Required Textbooks and Materials- <http://www.specialty-books.com/kvhs>

The cost of the required course materials is not included in the course fee. The local school is responsible for providing the following materials:

- *Biology – Exploring Life*. (2004) Pearson Prentice Hall. ISBN 0130642665.

Chemistry

Prerequisites

It is recommended that students complete Algebra I before participating in this course.

Required Textbooks and Materials- <http://www.specialty-books.com/kvhs>

- *Prentice Hall Chemistry Lab Manual*, Antony Wilbraham, Dennis Staley, Michael Matta and Edward Waterman. Prentice Hall, 2005. ISBN 0131903594

Students should have access to:

- Scientific calculator (one that displays scientific notation and converts units)
- ¼ inch or 1 cm graph paper
- Ruler

Labs: Students will learn experimental lab methodology through a variety of computer-based learning activities. These activities are designed to incorporate the learning goals of the laboratory activities recommended by The College Board. Successful completion of these activities will prepare a student to answer the laboratory questions on the AP Science Exams. Because wet laboratory experience is an important component of college science courses, The College Board recommends that AP science courses include wet laboratory activities. This course includes an optional wet laboratory component that schools or teachers can provide for their students. Wet labs require a lab supervisor, specified lab materials and the lab manual. To find a list of materials for the labs, go to <http://support.apexlearning.com>, choose the product you are using and click on Get Started, then click on Course and Lab Materials.

Earth and Space Science

Required Textbooks and Materials

There is no text required for this course.

Honors Physics (KET)

Prerequisites

The suggested prerequisites for this course are Algebra II, Geometry, Trigonometry. A previous Physics course is recommended.

Required Textbooks and Materials- <http://www.specialty-books.com/kvhs>

The cost of the required course materials is not included in the course fee. The local school is responsible for providing the following materials:

- *Physics 5th Edition*, Peoples Education, ISBN 978-0-471-32146-0, Phone: (800) 822-1080 **OR** 6th Edition, ISBN 978-0-471-15183-8 **OR** *Physics 7th Edition*: ISBN #978-0-471-66315-7, **OR** *Essentials of Physics*: ISBN #978-0-471-71398-2 (one per student)

The instructional CDs (\$50) or DVDs (\$20) are invoiced from KET. Visit <http://www.dl.ket.org/kvhs> for additional information.

Oceanography

Required Textbooks and Materials

There is no text required for this course.

Physics I

Prerequisites

Students should have mastered the content for Algebra I and Algebra II.

Required Textbooks and Materials- <http://www.specialty-books.com/kvhs>

The cost of the required course materials is not included in the course fee. The local school is responsible for providing the following materials:

- *Conceptual Physics*, 10th Edition. Paul G. Hewitt. Addison-Wesley Publishing Company, 2006. ISBN 9780805391909.

Social Studies

Anthropology

Required Textbooks and Materials

There is no text required for this course.

Consumer Economics

Required Textbooks and Materials

There is no text required for this course.

Geography/Social Science

Required Textbooks and Materials

There is no text required for this course.

Psychology

Required Textbooks and Materials

There is no text required for this course.

United States History

Prerequisites

Students should have successfully completed English 10.

Required Textbooks and Materials

There is no text required for this course.

World Civilization

Required Textbooks and Materials

There is no text required for this course.

World Language

French I

Required Textbooks and Materials- <http://www.specialty-books.com/kvhs>

There is no text required for this course. Students must have access to:

- French-English/English-French dictionary of choice.
- Headset/microphone and speakers.

French II

Prerequisites

Students should have successfully completed French I or be able to demonstrate competency equivalent to content and skills in French I.

Required Textbooks and Materials- <http://www.specialty-books.com/kvhs>

There is no text required. Students must have access to:

- French-English/English-French dictionary of choice.
- Headset/microphone and speakers.

French III

Prerequisites

Students should have successfully completed French I and II or be able to demonstrate competency equivalent to content and skills in French I and II.

Required Textbooks and Materials- <http://www.specialty-books.com/kvhs>

The cost of the required course materials is not included in the course fee. The local school is responsible for providing the following materials:

- *Allez, Viens!, Level 3 ©2006, Premier Online Edition with Student Edition CD-ROM (6 yr subscription)*. Holt, Rinehart and Winston. Product Code: H41192-0
ISBN: 0030411920

Students must have access to:

- French-English/English-French dictionary of choice.
- Headset, or microphone and speakers for computer.

German I (KET)

Prerequisites

The course is structured for high school 9th-12th graders, but is available to highly motivated middle school 8th graders. A full course description can be found at <http://www.dl.ket.org/kvhs/faq/schedule.htm>

Required Textbooks and Materials- <http://www.specialty-books.com/kvhs>

The cost of the required course materials is not included in the course fee. The local school is responsible for providing the following materials:

- *Deutsch Aktuell I*, 5th Edition, Student Text, EMC/Paradigm Publishing, ISBN: 978-0-82192-537-9
- *Deutsch Aktuell I*, Workbook - Student Edition, EMC/Paradigm, ISBN: 978-0-82192-539-3
- *New College Dictionary German/English - English/German*, American Map-Langenscheidt Publishing Group, ISBN: #978-1-58573-518-1. (one for classroom)

The student materials fee and the instructional CDs (\$50) or DVDs (\$198) are invoiced from KET. Visit <http://www.dl.ket.org/kvhs/> for additional information.

German II (KET)

Prerequisites

Successful completion of German I or approval of the KVHS teacher is required. Call KET at 1-800-333-9764 for approval.

Required Textbooks and Materials- <http://www.specialty-books.com/kvhs>

The cost of the required course materials is not included in the course fee. The local school is responsible for providing the following materials:

- *Auf Deutsch!*, Level 2, Pupil's Edition, McDougal Littell, ISBN: #978-0-618-02962-4, Title Code: 2-91177
- *Auf Deutsch!*, Level 2, Workbook - Pupil's Edition, McDougal Littell, ISBN: #978-0-618-02968-6, Title Code: 2-91183
- *New College Dictionary German/English - English/German*, American Map-Langenscheidt Publishing Group, ISBN: #978-1-58573-518-1. (one for classroom)
- *Klett Political Map of Germany* - International Book Service, Inc., 161 Main Street, P.O. Box 8188, Lynchburg, TN 37352-8188, Phone: 800.277.4247, FAX: 866.277.2722, ISBN: #3-623-00282-8, \$7.79 (one for classroom)

The student materials fee and the instructional CDs (\$50) are invoiced from KET. Visit <http://www.dl.ket.org/kvhs/> for additional information.

German III (KET)

Prerequisites

Successful completion of German II and teacher recommendation. Call KET at 1-800-333-9764 for approval.

Required Textbooks and Materials- <http://www.specialty-books.com/kvhs>

The cost of the required course materials is not included in the course fee. The local school is responsible for providing the following materials:

- *Fokus Deutsch, Intermediate German* (Student Edition), McGraw-Hill, ISBN: #978-0-072-33660-3.
- *Workbook/Lab Manual FOKUS DEUTSCH Intermediate German*, McGraw-Hill, ISBN: #978-0-070-27602-4.
- *Sowieso Level 2 Lesevergnugen, Reader/Activity Book*, Langenscheidt Publishing, 4635 54th Road, Maspeth, NY 11378, Phone: (800) 432-6277, FAX: (718) 784-1216, ISBN: #978-3-468-47711-9. <http://langenscheidteduc.com> (one per student).
- *English Grammar for Students of German*, 4th Edition, The Olivia and Hill Press, 3460 E. Ellsworth, Ann Arbor, MI 48108, Phone: 734.971.0202, FAX: 734.971.0220, ISBN: #978-0-934034-31-9, \$16.95 (one for classroom)
- *New College Dictionary German/English - English/German*, American Map-Langenscheidt Publishing Group, Customer Service, 15 Tyger River Drive, Duncan, SC 29334, Phone: 800.432.6277, FAX: 888.773.7979, ISBN: #978-1-58573-518-1, \$49.95 (one for classroom)
- *Klett Political Map of Germany* - International Book Service, Inc., 161 Main Street, P.O. Box 8188, Lynchburg, TN 37352-8188, Phone: 800.277.4247, FAX: 866.277.2722, ISBN: #3-623-00282-8, \$7.79 (one for classroom)
- CD and student materials notebook from KET, 1-800-333-9764.

The student materials fee and the instructional CDs (\$50) are invoiced from KET. Visit <http://www.dl.ket.org/kvhs/> for additional information.

Latin I (KET)

Required Textbooks and Materials- <http://www.specialty-books.com/kvhs>

The cost of the required course materials is not included in the course fee. The local school is responsible for providing the following materials:

- *Ecce Romani Level I, Student Book*, (2nd Edition). Prentice Hall, School Division. ISBN #978-0-801-31201-4, Order No.: 79725 **OR** the 3rd Edition, ISBN #978-0-673-57585-2 **OR** *Ecce Romani Level I Student Book*, 2005 edition, ISBN #978-0-131-16370-6.
- *Ecce Romani Student Language Activity Book I-A*, Prentice-Hall, ISBN: #978-0-801-31209-0, Order No.: 79733
- *The New College Latin & English Dictionary*, AMSCO School Publications, Inc. ISBN #978-0-877-20561-6, Order No.: R617P (optional for classroom)
- CD and student materials folder from KET, 1-800-333-9764.

The student materials fee and the instructional CDs (\$50) are invoiced from KET. Visit <http://www.dl.ket.org/kvhs/> for additional information.

Latin II (KET)

Prerequisites

Successful completion of KET Latin I or teacher recommendation. Call KET at 1-800-333-9764 for approval.

Required Textbooks and Materials- <http://www.specialty-books.com/kvhs>

The cost of the required course materials is not included in the course fee. The local school is responsible for providing the following materials:

- *Ecce Romani Level II Student Book*, (2nd Edition), Prentice Hall, ISBN#978-0-801-31202-1. Order No. 79726 **OR** the 3rd Edition, ISBN #978-0-673-57586-9 **OR** *Ecce Romani Level II Student Book*, 2005 edition, ISBN #978-0-131-16380-5.
- *The New College Latin & English Dictionary*, AMSCO School Publications, Inc. ISBN #978-0-877-20561-6, Order No.: R617P (optional for classroom)
- CD and student materials folder from KET, 1-800-333-9764.

The student materials fee and the instructional CDs (\$50) are invoiced from KET. Visit <http://www.dl.ket.org/kvhs/> for additional information.

Latin III (KET)

Prerequisites

Successful completion of KET Latin II or teacher recommendation. Call KET at 1-800-333-9764 for approval.

Required Textbooks and Materials- <http://www.specialty-books.com/kvhs>

The cost of the required course materials is not included in the course fee. The local school is responsible for providing the following materials:

- *Ecce Romani Book III Student Book* (softcover), Prentice Hall, ISBN: #978-0-801-31208-3. Order No.: 79734. **OR** *Ecce Romani Level III Student Book*, 3rd Edition (hardcover). ISBN: #978-0-673-57587-6 **OR** *Ecce Romani Level III Student Book*, 2005 Edition (hardcover), ISBN #978-0-131-16387-4
- *The New College Latin & English Dictionary*, AMSCO School Publications, Inc. ISBN #978-0-877-20561-6, Order No.: R617P (optional for classroom)

The student materials fee is \$10 for a student guide notebook which is invoiced from KET. Visit <http://www.dl.ket.org/kvhs/> for additional information.

AP Latin Literature (KET)

Prerequisites

Successful completion of KET Latin III or teacher recommendation. Call KET at 1-800-333-9764 for approval.

Required Textbooks and Materials- <http://www.specialty-books.com/kvhs>

The cost of the required course materials is not included in the course fee. The local school is responsible for providing the following materials:

- *The New College Latin & English Dictionary*, AMSCO School Publications, Inc. ISBN #978-0-877-20561-6, Order No.: R617P (optional for classroom)
- Students must have access to Perseus Literature website for Catullus and Horace poems.

The student materials fee is \$10 for a student guide notebook which is invoiced from KET. Visit <http://www.dl.ket.org/kvhs/> for additional information.

Mandarin Chinese I

Required Textbooks and Materials

There is no text required for this course. Students must have access to a headset, or microphone and speakers for computer.

Mandarin Chinese II

Prerequisites

Students should have successfully completed Mandarin Chinese I or be able to demonstrate competency equivalent to content and skills in Mandarin Chinese I.

Required Textbooks and Materials

There is no text required for this course. Students must have access to a headset, or microphone and speakers for computer.

Spanish I

Required Textbooks and Materials- <http://www.specialty-books.com/kvhs>

There is no text required for this course.

Students must have access to:

- Spanish-English/English-Spanish dictionary of choice.
- Headset, or microphone and speakers for computer.

Spanish II

Prerequisites

Students should have successfully completed Spanish I or be able to demonstrate competency equivalent to content and skills in Spanish I.

Required Textbooks and Materials- <http://www.specialty-books.com/kvhs>

There is no text required for this course.

Students must have access to:

- Spanish-English/English-Spanish dictionary of choice.
- Headset, or microphone and speakers for computer.

Spanish III

Prerequisites

Students should have successfully completed Spanish I and II or be able to demonstrate competency equivalent to content and skills in Spanish I and II.

Required Textbooks and Materials- <http://www.specialty-books.com/kvhs>

The cost of the required course materials is not included in the course fee. The local school is responsible for providing the following materials:

- *¡Exprésate! Level 3, ©2008, Student Edition* and Interactive Online Edition with Live Ink® Online Reading Help (6 yr subscript). Holt, Rinehart, and Winston. Product Code: h94301-9 ISBN: 0030943019

In addition, students must have access to:

- Spanish-English/English-Spanish dictionary of choice.
- Headset, or microphone and speakers for computer.