Kentucky Virtual High School

2004/2005
Prerequisite and Course Materials List

Register Students Online at www.kvhs.org
Or call 866.432.0008 for more information
# Table of Contents

Table of Contents ................................................................. 2  
Material and Textbook Procurement Policy .............................. 4  

## English/Language Arts .......................................................... 4  
- English I ................................................................. 4  
- English II ............................................................... 4  
- English III ............................................................... 4  
- English IV ............................................................... 5  
- Introduction to Creative Writing ....................................... 5  

## Mathematics ................................................................. 5  
- Pre-Algebra .......................................................... 5  
- Algebra I .............................................................. 5  
- Algebra II ............................................................. 6  
- Geometry .............................................................. 6  
- Pre-Calculus ........................................................ 6  

## Science ................................................................. 6  
- Physics I .............................................................. 6  
- Physics II ............................................................. 7  
- Chemistry ............................................................ 7  
- Biology ................................................................. 7  
- Earth and Space Science ............................................. 7  

## Social Studies ............................................................ 8  
- Living, Learning and Earning: Consumer Economics .......... 8  
- American History ................................................... 8  
- World Civilization .................................................. 8  

## Foreign Language .......................................................... 8  
- Spanish I ............................................................. 8  
- Spanish II ............................................................ 8  
- Spanish III ........................................................... 9  
- Latin I ................................................................. 9  
- Latin II ................................................................. 9  
- Latin III ............................................................... 10  
- Latin Literature/AP Optional ....................................... 10  
- German I ............................................................. 10  
- German II ........................................................... 11  
- German III .......................................................... 11  
- French I ............................................................... 12  
- French II ............................................................. 12  
- French III ........................................................... 12  

## Health/Physical Education .................................................. 12
Health ........................................................................................................................................... 12

Career and Technical Education ..................................................................................................... 13
  Electronic Office ........................................................................................................................... 13

Advanced Placement ........................................................................................................................ 13
  AP Calculus AB ............................................................................................................................ 13
  AP Calculus BC ............................................................................................................................ 13
  AP Chemistry .............................................................................................................................. 13
  AP Physics B ................................................................................................................................. 14
  AP English Language and Composition ....................................................................................... 15
  AP English Literature and Composition ...................................................................................... 15
  AP Statistics ................................................................................................................................. 16
  AP Biology .................................................................................................................................. 16
  AP Environmental Science ........................................................................................................ 17
  AP United States History ............................................................................................................ 17
  AP Microeconomics .................................................................................................................... 17
  AP Macroeconomics .................................................................................................................. 18
  AP United States Government and Politics ................................................................................ 18
  AP Psychology ............................................................................................................................ 18
  Latin Literature/AP Optional ........................................................................................................ 19
  AP Spanish Language .................................................................................................................. 19
  AP French Language ................................................................................................................... 20
  AP German Language .................................................................................................................. 20
  AP European History .................................................................................................................. 21
  AP Computer Science A .............................................................................................................. 21
  AP Art History .............................................................................................................................. 21

2004/2005 Online Professional Development Offerings ......................................................... 22
  All Professional Development Courses ......................................................................................... 22
2004/2005 Materials List by Content Area and Subject

Material and Textbook Procurement Policy
Required materials and textbooks specified in this catalog are not included in the course fee, unless otherwise noted.

English/Language Arts

English I

Recommended Preparation
The student should have successfully completed the Middle Level English/Language Arts content outlined in the Kentucky Program of Studies.

Required Textbooks and Materials
There is no text required for this course.

English II

Recommended Preparation
Students should have successfully completed English I as outlined in the Kentucky Program of Studies. English/Language Arts must be taken in sequence, as each is a prerequisite to the next.

Required Textbooks and Materials
There is no text required for this course.
- Midsummer Night’s Dream video (may be obtained at local video store/library)

English III

Recommended Preparation
Students should have successfully completed English I and English II content as outlined in the Kentucky Program of Studies. English/Language Arts must be taken in sequence, as each is a prerequisite to the next.

Required Textbooks and Materials
The cost of the required course materials is not included in the course fee.
**Required Readings**
Students will be assigned additional readings throughout the course. The following texts should be available in libraries and will not be required to be purchased:
- *To Kill a Mockingbird* (novel) by Harper Lee
- *The Crucible* (play) by Arthur Miller

**English IV**

**Recommended Preparation**
Students should have successfully completed English I, English II and English III content as outlined in the *Kentucky Program of Studies*. English/Language Arts must be taken in sequence, as each is a prerequisite to the next.

**Required Textbooks and Materials**
The cost of the required course materials is not included in the course fee.
- Inspiration CD. (Can be online subscription or purchased)
  - Online Subscription – Learning Station, 5100 North I-85 Service Road, Ste. 11, Charlotte, NC 28206, 1-704-926-5351.
  - Purchased – Inspiration Software (CD-ROM) 7412 Beaverton Hillsdale #102, Portland, OR 97225-2162.

**Introduction to Creative Writing**

**Recommended Preparation**
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.

**Mathematics**

**Pre-Algebra**

**Required Textbooks and Materials**
The cost of the required course materials is not included in the course fee.

**Algebra I**

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

**Required Textbooks and Materials**

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


**Algebra II**

**Recommended Preparation**
The student must have successfully completed Algebra I.

**Required Textbooks and Materials**
The cost of the required course materials is not included in the course fee. The local school is responsible for providing these.


**Geometry**

**Recommended Preparation**
The student must have mastered Algebra I content.

**Required Textbooks and Materials**
The cost of the required course materials is not included in the course fee.


**Pre-Calculus**

**Recommended Preparation**
Students should have mastered the content for Algebra 1 and Algebra 2, including an overview of Trigonometry.

**Required Textbooks and Materials**
All instructional resources for this course are in digital format. There is no text required.

**Science**

**Physics I**

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

**Required Textbooks and Materials**
All instructional resources for this course are in digital format. There is no text required.

**Physics II**

**Recommended Preparation**
The suggested prerequisites for this course are Algebra II and Geometry. This course is for students who would like to continue studying physics for a second semester after a one-semester Physics I course. Contact your instructor, Chuck Duncan, at cduncan@ket.org or 1-800-333-9764 for approval.

**Required Textbooks and Materials**
- OR
- CD or DVD from KET, 1-800-333-9764.

**Honors Physics**

**Recommended Preparation**
The suggested prerequisites for this course are Algebra II and Geometry. A previous Physics course is recommended. Contact your instructor, Chuck Duncan, at cduncan@ket.org or 1-800-333-9764 for approval.

**Required Textbooks and Materials**
- OR
- CD or DVD from KET, 1-800-333-9764.

**Chemistry**

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

**Required Textbooks and Materials**
All instructional resources for this course are in digital format. There is no text required.

**Biology**

**Required Textbooks and Materials**
The cost of the required course materials is not included in the course fee.

**Earth and Space Science**

**Required Textbooks and Materials**
All instructional resources for this course are in digital format. There is no text required.

**Social Studies**

**Living, Learning and Earning: Consumer Economics**

**Required Textbooks and Materials**
All instructional resources for this course are in digital format. There is no text required.

**American History**

**Recommended Preparation**
Students should have successfully completed English 10.

**Required Textbooks and Materials**
The cost of the required course materials is not included in the course fee.

**World Civilization**

**Required Textbooks and Materials**
The cost of the required course materials is not included in the course fee.

**Foreign Language**

**Spanish I**

**Required Textbooks and Materials**
The cost of the required course materials is not included in the course fee.

**Spanish II**

**Recommended Preparation**
Students should have successfully completed Spanish I.

**Required Textbooks and Materials**
The cost of the required course materials is not included in the course fee.
Spanish III

Recommended Preparation
Students should have successfully completed Spanish I and II.

Required Textbooks and Materials
All instructional resources for this course are in digital format. There is no text required.

Latin I

Required Textbooks and Materials
The cost of the required course materials is not included in the course fee. The local school is responsible for providing these.

- CD and student materials folder from KET, 1-800-333-9764.

Students must also have regular access to a Greco-Roman mythology book and a Latin English dictionary. If students wish to purchase these books, the following are recommended:

- Myths and Their Meaning, Prentice-Hall, ISBN #0-205-08437-0

Latin II

Required Preparation
Students must have successfully completed Latin I via KVHS or KET or have approval of the KVHS teacher. Call Magistra Jahnige at 1-800-333-9764 for approval.

Required Textbooks and Materials
The cost of the required course materials is not included in the course fee. The local school is responsible for providing these.

- CD and student materials folder from KET, 1-800-333-9764.
Latin III

Required Preparation
Students must have successfully completed Latin II via KVHS or KET or approval of the KVHS teacher. Call Magistra Jahnige at 1-800-333-9764 for approval.

Required Textbooks and Materials
The cost of the required course materials is not included in the course fee. The local school is responsible for providing these.

- Student materials notebook from KET, 1-800-333-9764.

Latin Literature/AP Optional

Required Preparation
Students must have successfully completed Latin III via KVHS or KET or approval of the KVHS teacher. Call Magistra Jahnige at 1-800-333-9764 for approval.

Required Textbooks and Materials
The cost of the required course materials is not included in the course fee. The local school is responsible for providing these.

- Students must have access to Perseus Literature website for Catullus and Horace poems.
- Student materials notebook from KET, 1-800-333-9764.

German I

Recommended Preparation
None. Although German I is typically taught at the high school level, the course is also available to highly motivated 7th and 8th graders.

Required Textbooks and Materials
The cost of the required course materials is not included in the course fee.

Need More Info?
Call 1.866.432.0008

- **CD and student materials notebook from KET, 1-800-333-9764.**

Students should have access to a German-English/English-German dictionary of choice. Suggested edition: *New College Dictionary German/English – English/German*. Langenscheidt Publishing, ISBN #3-38729-021-3, Order #290213, Phone: (800) 432-6277.

**German II**

**Recommended Preparation**
Successful completion of German I via KVHS or KET or approval of the KVHS teacher is required. Call Frau Styles at 1-800-333-9764 for approval.

**Required Textbooks and Materials**
The cost of the required course materials is not included in the course fee.
- **CD and student materials notebook from KET, 1-800-333-9764.**

Students should have access to a German-English/English-German dictionary of choice. Suggested edition: *New College Dictionary German/English – English/German*. Langenscheidt Publishing, ISBN #3-38729-021-3, Order #290213, Phone: (800) 432-6277.

**German III**

**Recommended Preparation**
Successful completion of German II via KVHS or KET or approval of the KVHS teacher is required. Call Frau Styles at 1-800-333-9764 for approval.

**Required Textbooks and Materials**
The cost of the required course materials is not included in the course fee. The local school is responsible for providing these.
- **Fokus Deutsch, Intermediate German (Student Edition), McGraw-Hill, ISBN: #0-07-233660-9, Phone: (800) 338-3987.**
- **Workbook/Lab Manual FOKUS DEUTSCH Intermediate German, McGraw-Hill, ISBN: #0-07-027602-1, Phone: (800) 338-3987.**
- **CD and student materials notebook from KET, 1-800-333-9764.**
Students must have access to:


**French I**

**Required Textbooks and Materials**
No textbook required. All materials are available within the course.

Students must have access to:

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

**French II**

**Required Textbooks and Materials**
No textbook required. All materials are available within the course.

Students must have access to:

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

**French III**

**Required Textbooks and Materials**
No textbook or materials required. All materials are available within the course.

**Health/Physical Education**

**Health**

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

**Required Textbooks and Materials**
The cost of the required course materials is not included in the course fee. The local school is responsible for providing these.

Career and Technical Education

Electronic Office

Recommended Preparation
Students enrolled in this course should have taken at least one entry-level business course. Students taking this course are expected to have above-average keyboarding skills and computer skills that allow them to work independently.

Required Textbooks and Materials
The cost of the required course materials is not included in the course fee. The local school is responsible for providing these.
- Student workbook that accompanies the text. ISBN Number 0-538-72213-4

Advanced Placement

AP Calculus AB

Recommended Preparation
Students should have mastered Pre-Calculus.

Required Textbooks and Materials
- Required texts are still being determined. Students will be advised upon determination.

AP Calculus BC

Recommended Preparation
Students should have mastered Pre-Calculus.

Required Textbooks and Materials
- Required texts are still being determined. Students will be advised upon determination.

AP Chemistry

Recommended Preparation
Suggested prerequisites are Introduction to Chemistry and Algebra II.

Required Textbooks and Materials
The cost of the required course materials is not included in the course fee. The local school is responsible for providing these.
This course requires no specific text although students will need access to an advanced chemistry text. The instructor will guide student selection among texts available in their school or public libraries.

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 school supervision. Please inquire at kvhs@kde.state.ky.us or call toll-free 866-432-0008.

**AP Physics B**

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

AP English Language and Composition

Recommended Preparation
The suggested prerequisite is at least a B in the student’s most recent English course.

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

AP English Literature and Composition

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

Required Textbooks and Materials
The cost of the required course materials is not included in the course fee. The local school is responsible for providing these with textbook funds. These materials may be available on loan from a local library or video store. KVHS will provide text to students who have been awarded a scholarship for this course.

For the video, we recommend borrowing rather than buying.
- Grapes of Wrath CD (for use by up to two students)
  Orange Cherry New Media
  PO Box 390
  Pound Ridge, NY 10576
  1-800-672-6002

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 Statistics

Recommended Preparation
Students should have mastered the concepts of Algebra II.

Required Textbooks and Materials
There is no text required for this course. A complete digital version of this text is contained in the course.
- For AP Statistics, and for the AP Exam, students will need a Texas Instruments TI-83 graphing calculator

AP Biology

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

Required Textbooks and Materials
The cost of the required course materials is not included in the course fee. The local school is responsible for providing these. KVHS will provide text to students who have been awarded a scholarship for this course.
  Addison, Wesley, Longman (http://aw.com/bc)
  The College Board, http://www.collegeboard.com Item #991461

A set of generic lab materials is required. Potential providers have been identified (Science Kit & Boreal laboratories - sciencekit.com,1-800-828-7777 or Carolina Scientific – www.carolina.com) for convenience. However, schools may find these materials in house or from another source.

- Dialysis Tubing 1 ¾ inch X 50 feet
  Student receives 18 in.
- Dual Calibration Spring Scale 250g/2.5N
  Student receives 1
- Plastic tubing Tygon Bore 1/8 wall 1/16
  Student receives 16 in.
- Glucose tablets – any local drugstore
  Student receives 3
- Diastix strips – any local drugstore
  Student receives 3
- Glass Pipet 0.1 mL in 0.01 divisions
  Student receives 1
- Filter Paper 33 mm
  Student receives 1
- Graduated Cylinder 50 mL
  Student receives 1
• Plastic Pipet 3.0 mL microchemistry
  Student receives 1

Online Component
• An online subscription to "Virtual Labs Online" is included in the course fee.

**AP Environmental Science**

**Recommended Preparation**
Students should have taken Biology, Chemistry and Algebra II.

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


**AP United States History**

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

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

• The Enduring Vision. (Online text) XanEdu (Proquest). Contact Janet Austreng or Barb Zitzewitz at (734)975-6163.

**AP Microeconomics**

**Recommended Preparation**
Students should have mastered the concepts of Algebra I.

**Required Textbooks and Materials**
There is no required textbook for this course.

**Optional Textbook (NOT REQUIRED-intended as an additional resource)**
AP Macroeconomics (offered in Spring 05)

Recommended Preparation
Students should have mastered the concepts of Algebra II.

Required Textbooks and Materials
There is no required textbook for this course.

Optional Textbook (NOT REQUIRED—intended as an additional resource)

AP United States Government and Politics

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

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

AP Psychology

Recommended Preparation
Students should have mastered the concepts of a one-credit high school Biology course.

Required Textbooks and Materials
The cost of the required course materials is not included in the course fee. The local school is responsible for providing these. KVHS will provide text to students who have been awarded a scholarship for this course.
Latin Literature/AP Optional

**Required Preparation**
Students must have successfully completed Latin III via KVHS or KET or approval of the KVHS teacher. Call Magistra Jahnige at 1-800-333-9764 for approval.

**Required Textbooks and Materials**
The cost of the required course materials is not included in the course fee. The local school is responsible for providing these.
- Students must have access to Perseus Literature website for Catullus and Horace poems.
- Student materials notebook from KET, 1-800-333-9764.

AP Spanish Language

**Recommended Preparation**
A minimum of three Spanish credits or approval from the KVHS teacher is required before enrolling in this course. Contact Ms. Beth Gaunce at bgaunce@kde.state.ky.us for approval.

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.

**Required Textbooks and Materials**
The cost of the required course materials is not included in the course fee. The local school is responsible for providing these. KVHS will provide text 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
- Audio Cassettes to accompany text (set of 3) (ISBN 1-877653-76-4)
- CD's to accompany text (set of 4) (ISBN 1-877653-82-9)

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

**Recommended Preparation**
A minimum of three French credits or approval from the KVHS teacher is required before enrolling in this course. Contact Ms. Pat Carlin at pcarlin@kde.state.ky.us for approval.

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.

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

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

- Cassettes to accompany text (set of 3) ISBN: 1877653624; (March 1998)
- CD's to accompany text (set of 3) ISBN: 1877653837

From Scott Foresman-Addison Wesley, 4350 Equity Drive, PO Box 2649, Columbus, OH 43216, Tel. 800-552-2259. From time to time, amazon.com offers a discount when these texts are purchased together.

- Une Fois Pour Toutes, Student Text Prentice Hall (K-12); ISBN: 0801308259; 2nd edition (December 1993)

**AP German Language**

**Recommended Preparation**
A minimum of three German credits or approval from the KVHS teacher is required before enrolling in this course. Contact Ms. Susan Gudenkauf at sgudenkauf@kde.state.ky.us for approval.

Students should have knowledge of the German language and familiarity with German cultures. Additionally, students must be able to speak, read, write, and comprehend auditory German passages.

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

From McDougal Littell

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 European History**

**Recommended Preparation**
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 your instructor, Ms. Susan Gudenkauf at sgudenka@kde.state.ky.us for additional information.

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


**AP Computer Science A**

**Recommended Preparation**
Suggested prerequisites are Computer Basic I & II, Algebra II or currently taking Algebra II. Contact Mr. Don Cheatham at dcheatha@kde.state.ky.us for approval.

**Required Textbooks and Materials**
There is no required textbook for this course.

**AP Art History**

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

**2004/2005 Online Professional Development Offerings**

**All Professional Development Courses**

**Hardware & Software Required:** Participants will need regular access to a computer that meets the KVHS minimum hardware requirements http://www.kvhs.org/index.real?action=Technical, a connection to the Internet, and Microsoft Internet Explorer 5.0 or higher, and access to a suite of software including word processing, spreadsheet, and presentation/slide show programs.

**Prerequisite Skills Needed:** Familiarity with the computer and ability to use email and the Internet.

Professional Development courses offered by the Kentucky Virtual High School utilize online material only, and do not require textbooks or other materials, except as noted.