

# Canyons Virtual High School



## Materials Guide

Student and Teacher Course Materials  
for Virtual, Honors, Electives and AP Pathways

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## Introduction

GradPoint™ is the easy-to-use, cost-effective and comprehensive online learning solution for grades 6–12 that is delivered on an award-winning, intuitive learning platform. GradPoint gives you the power to truly personalize learning with rigorous, standards-based core, elective, honors and Advanced Placement® courses developed by industry leaders, Florida Virtual School (FLVS) and Pearson.

In addition to providing students with engaging, media-rich lessons, GradPoint courses also provide ample hands-on activities and self-directed learning opportunities to ensure a well-rounded learning experience.

This guide provides a complete view of the additional materials you and your students will need in many of GradPoint’s courses.

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# Course Materials At-a-Glance

These tables identify the GradPoint Core courses that have required or optional materials for students taking traditional or honors courses in the Virtual, Honors, Electives and AP pathways.

Pathway courses that may utilize additional materials will be indicated with a **(GS)** in the course name within GradPoint.

## Virtual and Honors Pathways Materials List

Course Name	Required Materials	Optional Materials
<b>MIDDLE SCHOOL</b>		
Comprehensive Science I/Adv	Yes (\$)	–
Comprehensive Science II/Adv	Yes (\$)	–
Comprehensive Science III/Adv	Yes (\$)	–
Language Arts I/Adv	Yes	–
Language Arts II/Adv	Yes	–
Language Arts III/Adv	Yes	–
Mathematics I/Adv	Yes	–
Mathematics II/Adv	Yes	–
Mathematics III/Adv	Yes	–
United States History/Adv	Yes (\$)	–
World Cultures/Adv	–	–
World Geography/Adv	Yes (\$)	–
<b>HIGH SCHOOL</b>		
Advanced Algebra with Financial Applications		
Algebra I/Honors	Yes	Yes (\$)
Algebra II/Honors	Yes	Yes (\$)
American Government/Honors	Yes	–
American History/Honors	Yes	–
Biology/Honors	Yes (\$)	Yes (\$)
Calculus	Yes (\$)	Yes (\$)
Chemistry/Honors	Yes	–
Earth Space Science/Honors	Yes (\$)	Yes
Economics/Honors	Yes (\$)	–
English I/Honors	Yes (\$)	–
English II/Honors	Yes	–
English III/Honors	Yes	–
English IV/Honors	Yes	–
Geometry/Honors	Yes (\$)	–
Global Studies	Yes (\$)	–
Liberal Arts Mathematics	Yes (\$)	Yes (\$)
Marine Science/Honors	Yes	–
Physical Science/Honors	Yes (\$)	–
Physics/Honors	Yes (\$)	–
World History/Honors	Yes (\$)	–

(\$) – Materials available at an additional price

## AP Pathway Materials List

Course Name	Required Materials	Optional Materials
AP Art History	Yes (\$)	Yes
AP Biology	Yes (\$)	–
AP Calculus AB	Yes (\$)	Yes (\$)
AP Calculus BC	Yes (\$)	Yes (\$)
AP Computer Science A	Yes (\$)	–
AP English Language and Composition	Yes	–
AP English Literature & Composition	Yes (\$)	–
AP Environmental Science	Yes (\$)	–
AP Macroeconomics	–	–
AP Microeconomics	–	–
AP Psychology	Yes (\$)	–
AP Spanish	Yes	–
AP Statistics	Yes (\$)	–
AP United States Government & Politics	Yes (\$)	–
AP United States History	Yes (\$)	–

## Electives Pathway Materials List

Course Name	Required Materials	Optional Materials
<b>MIDDLE SCHOOL</b>		
Business Keyboarding	Yes (\$)	Yes (\$)
Comprehensive PE 6/7	Yes (\$)	–
Comprehensive PE 7/8	Yes (\$)	–
Fitness - Grade 6	Yes (\$)	–
Orientation to Art 2D	Yes	–
Photography*		
Reading I	Yes	–
Spanish I	Yes	–
Spanish II	Yes	–
<b>HIGH SCHOOL</b>		
Adaptive Personal Fitness IEP or 504 Plan	Yes (\$)	–
Anthropology I	–	–
Anthropology II	–	–
Archeology	–	–
Astronomy*	–	–
Chinese I	Yes (\$)	–
Chinese II	Yes	–
Chinese III	Yes	–
Computer Programming 1	Yes (\$)	Yes (\$)
Criminology	–	–
Digital Photography I	Yes	–
Digital Photography II	Yes	–
Fitness Lifestyle Design	–	–
Forensic Science I	–	–
Forensic Science II	–	–
Gothic Literature	–	–
Great Minds in Science	–	–
Health Opportunities through Physical Education (HOPE)	Yes (\$)	–
Health Science	–	–
Hospitality & Tourism	–	–

Human Geography	-	-
International Business	-	-
Introduction to Social Media*		
Journalism	Yes (\$)	-
Latin I	-	-
Latin II	Yes (\$)	-
Latin III	-	-
Law & Order	-	-
Life Management Skills	-	-
Music Appreciation	-	-
Mythology & Folklore	-	-
Personal & Family Finance	-	-
Personal Fitness	Yes (\$)	-
Personal Psychology I	-	-
Personal Psychology II	-	-
Philosophy	-	-
Psychology	Yes (\$)	-
Reading for College Success	Yes (\$)	-
Real World Parenting	-	-
Social Problems I	-	-
Social Problems II	-	-
Sociology I	-	-
Sociology II	-	-
Spanish I	Yes	-
Spanish II	Yes (\$)	-
Spanish III	Yes (\$)	-
Thinking and Learning Strategies	-	-
Veterinary Science	-	-
Web Design I	-	-
Web Design II	-	-
World Religions	-	-

(\$) – Materials available at an additional price

\* Releasing Fall 2012

# Middle School Core Course Materials

The following lists the courses in the **Virtual and Honors pathways** that need required or optional materials. Refer to the Vendor/Provider At-A-Glance table for ordering instructions and more details.

## Comprehensive Science I/Adv, (GS) v8

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Discovery Education Online Subscription	Discovery Education	Required	\$3.95 per student (not per course)
Various Household Materials	Provided by Student/School	Required	Refer to the Materials Provided by Student/School section for a list of materials

## Comprehensive Science II/Adv, (GS) v8

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Discovery Education Online Subscription	Discovery Education	Required	\$3.95 per student (not per course)

## Comprehensive Science III/Adv, (GS) v8

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Discovery Education Online Subscription	Discovery Education	Required	\$3.95 per student (not per course)

## Language Arts I/Adv, (GS) v8

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Discovery Education Online Subscription	Discovery Education	Required	\$3.95 per student (not per course)
Novels	Provided by Student/School	Required	Refer to the Materials Provided by Student/School section for a list of materials

## Language Arts I1/Adv, (GS) v8

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Discovery Education Online Subscription	Discovery Education	Required	\$3.95 per student (not per course)
Novels	Provided by Student/School	Required	Refer to the Materials Provided by Student/School section for a list of materials

## Language Arts I11/Adv, (GS) v8

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Novels	Provided by Student/School	Required	Refer to the Materials Provided by Student/School section for a list of materials

### Mathematics I, (GS) v10

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Various Household Materials	Provided by Student/School	Required	Refer to the Materials Provided by Student/School section for a list of materials

### Mathematics II, (GS) v9

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Various Household Materials	Provided by Student/School	Required	Refer to the Materials Provided by Student/School section for a list of materials

### Mathematics III, (GS) v10

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Various Household Materials	Provided by Student/School	Required	Refer to the Materials Provided by Student/School section for a list of materials

### U.S. History/Adv, (GS) v10

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Discovery Education Online Subscription	Discovery Education	Required	\$3.95 per student (not per course)

### World Geography/Adv, (GS) v8

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Discovery Education Online Subscription	Discovery Education	Required	\$3.95 per student (not per course)



# High School Core Course Materials

The following lists the courses in the **Virtual and Honors pathways** that need required or optional materials. Refer to the Vendor/Provider At-A-Glance table for ordering instructions and more details.

## Algebra I/Honors, (GS) v14

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Mathtype CD	Design Science, Inc.	Optional	Price is based on the number of math teachers in the virtual school: <ul style="list-style-type: none"> <li>• 5-9 Teachers: \$23.09 per teacher</li> <li>• 10-24 Teachers: \$21.80 per teacher</li> <li>• 25+ Teachers: \$20.52 per teacher</li> </ul>
Geogebra	Geogebra	Required	Geogebra is a free download. Instructions are available in the course. An offline installer is also available.

## Algebra II/Honors, (GS) v10

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Mathtype CD	Design Science, Inc.	Optional	Price is based on the number of math teachers in the virtual school: <ul style="list-style-type: none"> <li>• 5-9 Teachers: \$23.09 per teacher</li> <li>• 10-24 Teachers: \$21.80 per teacher</li> <li>• 25+ Teachers: \$20.52 per teacher</li> </ul>
Geogebra	Geogebra	Required	Geogebra is a free download. Instructions are available in the course. An offline installer is also available.

## American Government/Honors, (GS) v14

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
SAS Curriculum Pathways Online Subscription	SAS Curriculum Pathways	Required	SAS is a free online subscription.

## American History/Honors, (GS) v9

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
SAS Curriculum Pathways Online Subscription	SAS Curriculum Pathways	Required	SAS is a free online subscription.

## Biology I/Honors, (GS) v10

**Course #3346**

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
SAS Curriculum Pathways Online Subscription	SAS Curriculum Pathways	Required	SAS is a free online subscription.
Discovery Education Online Subscription	Discovery Education	Required	\$3.95 per student (not per course)
3D Glasses	MBS Direct or American Paper Optics	Optional	These glasses are used for the 3D frog dissection at the end of segment 2. \$4.00 new or \$3.00 used.
Various Household Materials	Provided by Student/School	Required	Refer to the Materials Provided by Student/School section for a list.

## Calculus, (GS) v8

Course #3471

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Graphmatica Software	kSoft, Inc.	Optional	This graphing utility is for students without graphing calculators who have Windows operating systems. A Mac Download is also available. \$2.50 per student (or \$2.00 for more than 250 students).
Graphing Calculator	Provided by Student/School	Optional	Refer to the Materials Provided by Student/School section for more information
LARSON CALC AP PDF EBK CD+MS CDROM 8E	Holt McDougal or MBS Direct	Required	ISBN #13 978-0618-995004, Title code: 10-26967, includes two CDS. Holt McDougal Bundle Price: \$49.46 MBS Direct Price: <ul style="list-style-type: none"> <li>• New: \$183.00</li> <li>• Used: \$137.25</li> </ul>
Mathtype CD	Design Science, Inc.	Optional	Price is based on the number of math teachers in the virtual school: <ul style="list-style-type: none"> <li>• 5-9 Teachers: \$23.09 per teacher</li> <li>• 10-24 Teachers:\$21.80 per teacher</li> <li>• 25+ Teachers: \$20.52 per teacher</li> </ul>

## Chemistry I/Honors, (GS) v10

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Discovery Education Online Subscription	Discovery Education	Required	\$3.95 per student (not per course)
Various Household Materials	Provided by Student/School	Required	Refer to the Materials Provided by Student/School section for a list of materials

## Earth Space Science/Honors, (GS) v12

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Household Materials for Lab	Provided by Student/School	Optional	Refer to the Materials Provided by Student/School section for a list of materials
Discovery Education Online Subscription	Discovery Education	Required	\$3.95 per student (not per course)
Stellarium	Options are provided within the course to access this resource	Required	This is a free download.

## Economics/Honors, (GS) v9

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
SAS Curriculum Pathways Online Subscription	SAS Curriculum Pathways	Required	SAS is a free online subscription.
Discovery Education Online Subscription	Discovery Education	Required	\$3.95 per student (not per course)

### English I/Honors, (GS) v8

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Books and Videos	Provided by Student/School	Required	Refer to the Materials Provided by Student/School section for a list of materials
Discovery Education Online Subscription	Discovery Education	Required	\$3.95 per student (not per course)

### English II/Honors, (GS) v8

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Books	Provided by Student/School	Required	Refer to the Materials Provided by Student/School section for a list of materials
Discovery Education Online Subscription	Discovery Education	Required	\$3.95 per student (not per course)

### English III/Honors, (GS) v13

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Books	Provided by Student/School	Required	Refer to the Materials Provided by Student/School section for a list of materials
Discovery Education Online Subscription	Discovery Education	Required	\$3.95 per student (not per course)
SAS Curriculum Pathways Online Subscription	SAS Curriculum Pathways	Required	SAS is a free online subscription.

### English IV/Honors, (GS) v13

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Videos for Honors students only	Provided by Student/School	Required	Refer to the Materials Provided by Student/School section for a list of materials
Discovery Education Online Subscription	Discovery Education	Required	\$3.95 per student (not per course)

### Geometry/Honors, (GS) v8

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
SAS Curriculum Pathways Online Subscription	SAS Curriculum Pathways	Required	SAS is a free online subscription.
Discovery Education Online Subscription	Discovery Education	Required	\$3.95 per student (not per course)
Geometer's Sketchpad Software 5.0	Key Curriculum Press	Required	School/Institution License: <ul style="list-style-type: none"> <li>• 1-4 computers: \$69.95</li> <li>• 5-19 computers: \$30.00</li> <li>• 20-49 computers: \$25.00</li> <li>• 100+ computers: \$15.00</li> </ul> Multi-Student Home-Use Non-Expiring License: \$29.95 Per Student. Multi-Student Home-Use 1-Year License: \$9.95 Per Student

### Global Studies, (GS) v8

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
SAS Curriculum Pathways Online Subscription	SAS Curriculum Pathways	Required	SAS is a free online subscription.
Discovery Education Online Subscription	Discovery Education	Required	\$3.95 per student (not per course)

### Liberal Arts Mathematics, (GS) v8

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Discovery Education Online Subscription	Discovery Education	Required	\$3.95 per student (not per course)
SAS Curriculum Pathways Online Subscription	SAS Curriculum Pathways	Required	SAS is a free online subscription.
Graphmatica Software	kSoft, Inc.	Optional	This graphing utility is for students without graphing calculators who have Windows operating systems. \$2.50 per student (or \$2.00 for more than 250 students).
Graphing Calculator	Provided by Student/School	Optional	Refer to the Materials Provided by Student/School section for more information
Mathtype CD	Design Science, Inc.	Optional	Price is based on the number of math teachers in the virtual school: <ul style="list-style-type: none"> <li>• 5-9 Teachers: \$23.09 per teacher</li> <li>• 10-24 Teachers: \$21.80 per teacher</li> <li>• 25+ Teachers: \$20.52 per teacher</li> </ul>

### Marine Science/Honors, (GS) v9

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Various Household Items	Provided by Student/School	Required	Refer to the Materials Provided by Student/School section for a list of materials

### Physical Science/Honors, (GS) v9

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Various Household Materials	Provided by Student/School	Required	Refer to the Materials Provided by Student/School section for a list of materials
Discovery Education Online Subscription	Discovery Education	Required	\$3.95 per student (not per course)

### Physics/Honors, (GS) v10

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Discovery Education Online Subscription	Discovery Education	Required	\$3.95 per student (not per course)
Graphical Analysis 3.2 for Windows and 3.2 for Mac OSX Software	Vernier Software and Technology	Required	Graphical Analysis 3.2 for Windows and 3.2 for Mac OSX Software.

The Mechanical Universe High School Adaptation Videos (Need Discovery Education Online Subscription)	Intelecom	Required	These videos are delivered via Discovery Education Subscription.
Various Household Materials	Provided by Student/School	Required	Refer to the Materials Provided by Student/School section for a list of materials

**World History/Honors, (GS) v9**

<b>Title</b>	<b>Vendor/Provider</b>	<b>Required/Optional</b>	<b>Materials Information/Pricing</b>
Discovery Education Online Subscription	Discovery Education	Required	\$3.95 per student (not per course)

# AP Course Materials

The following lists the courses in the **AP pathway** that need required or optional materials. Refer to the Vendor/Provider At-A-Glance table for ordering instructions and more details.

## AP Art History, (GS) v10

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Art History Textbooks	Provided by Student/School	Required	Refer to the Materials Provided by Student/School section for a list of materials
Discovery Education Online Subscription	Discovery Education	Required	\$3.95 per student (not per course)

## AP Biology, (GS) v13

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Mastering Biology Custom eBook	Pearson Education	Required	Price: \$30.00 per student for 12 month website access. ISBN 9781256515890.
Various Household Materials	Provided by Student/School	Required	Refer to the Materials Provided by Student/School section for a list of materials

## AP Calculus AB, (GS) v8

[Course #2747](#)

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
AP Calculus AB Released Exam	MBS Direct	Required	This set of booklets supplements the AP 2003 - Calculus AB Released Exam. <ul style="list-style-type: none"> <li>• New: \$3.25</li> <li>• Used: \$2.50</li> </ul>
LARSON CALC AP PDF EBK CD+MS CDROM 8E	Holt McDougal or MBS Direct	Required	The ISBN # is 13 978-0618-995004, Title code: 10-26967, includes two CDS. Holt McDougal Bundle: \$49.46. MBS Direct: <ul style="list-style-type: none"> <li>• New: \$183.00</li> <li>• Used: \$137.25</li> </ul>
Mathtype CD	Design Science, Inc.	Optional	Price is based on the number of math teachers in the virtual school: <ul style="list-style-type: none"> <li>• 5-9 Teachers: \$23.09 per teacher</li> <li>• 10-24 Teachers: \$21.80 per teacher</li> <li>• 25+ Teachers: \$20.52 per teacher</li> </ul>
Graphing Calculator	Provided by Student/School	Required	Refer to the Materials Provided by Student/School section for more information
Graphmatica Software	kSoft, Inc.	Optional	This graphing utility is for students without graphing calculators who have Windows operating systems. A Mac Download is also available. Student bulk licenses: \$2.50 per student (or \$2.00 for more than 250 students).

**AP Calculus BC, (GS) v10**

Course #3471

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
AP Calculus BC Released Exams	MBS Direct	Required	This set of booklets supplements the AP 2003 and AP 2008 - Calculus BC Released Exam. <ul style="list-style-type: none"> <li>• New: \$3.25</li> <li>• Used: \$2.50</li> </ul>
LARSON CALC AP PDF EBK CD+MS CDROM 8E	Holt McDougal or MBS Direct	Required	The ISBN # is 13 978-0618-995004, Title code: 10-26967, includes two CDS. Holt McDougal Bundle: \$49.46. MBS Direct: <ul style="list-style-type: none"> <li>• New: \$183.00</li> <li>• Used: \$137.25</li> </ul>
Mathtype CD	Design Science, Inc.	Optional	Price is based on the number of math teachers in the virtual school: <ul style="list-style-type: none"> <li>• 5-9 Teachers: \$23.09 per teacher</li> <li>• 10-24 Teachers: \$21.80 per teacher</li> <li>• 25+ Teachers: \$20.52 per teacher</li> </ul>
Graphmatica Software	kSoft, Inc.	Optional	This graphing utility is for students without graphing calculators who have Windows operating systems. A Mac Download is also available. Student bulk licenses: \$2.50 per student (or \$2.00 for more than 250 students).
Graphing Calculator	Provided by Student/School	Required	Refer to the Materials Provided by Student/School section for more information

**AP Computer Science A, (GS) v9**

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Be Prepared for APCS Exam in Java	IMACS	Required	These are online reviews ordered through IMACS based on Gary Litvin's review for the AP test. <ul style="list-style-type: none"> <li>• 1-4 Students: \$24.95 per student</li> <li>• 5+ Students: \$19.95 per student</li> <li>• If purchased with the web-based textbook: \$14.95 per student (requires a minimum of 10 or more students).</li> </ul>
Java, BlueJ and Gridworld Case Study	None – Free download	Required	Instructions provided in the lessons.
AP Computer Science: Java Programming	IMACS	Required	This is a web based textbook. There is a \$50 set up fee per teacher that will be using the course and \$19.95 per student with a 10 student minimum.

**AP English Language and Composition, (GS) v9**

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Books	Provided by Student/School	Required	Refer to the Materials Provided by Student/School section for a list of materials

**AP English Literature and Composition, (GS) v10**

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
AP English Literature v10 eReader	Pearson K-12 Custom Solutions	Required	ISBN 9781256484851. This is a custom eBook. \$35.00 per student for 12 month access.
Books and Videos	Provided by Student/School	Required	Refer to the Materials Provided by Student/School section for a list of materials

### AP Environmental Science, (GS) v9

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Various Household Materials	Provided by Student/School	Required	Refer to the Materials Provided by Student/School section for a list of materials
Discovery Education Online Subscription	Discovery Education	Required	\$3.95 per student (not per course)

### AP Psychology, (GS) v19

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
AP Edition Psychology	Pearson Education	Required	ISBN 9781256484844.This is a custom eBook. Price: \$30 per student for 12 month access.
Discovery Education Online Subscription	Discovery Education	Required	Price: \$3.95 per student (not per course)

### AP Spanish, (GS) v13

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Microphone and recording device	Provided by Student/School	Required	Clients may use any system that allows students to make a voice recording and the teacher to listen to the recording. Other options may include: Freecorder, WIMBA, and Audacity

### AP Statistics, (GS) v9

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Microphone and recording device	Provided by Student/School	Required	Clients may use any system that allows students to make a voice recording and the teacher to listen to the recording. Other options may include: Freecorder, WIMBA, and Audacity
Discovery Education Online Subscription	Discovery Education	Required	\$3.95 per student (not per course)

### AP United States Government and Politics, (GS) v10

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Discovery Education Online Subscription	Discovery Education	Required	\$3.95 per student (not per course)
Wilson's American Government 11th edition	Holt McDougal	Required	eBook ISBN i9780495915683 \$49.46 per student for one year



**AP United States History, (GS) v9**

<b>Title</b>	<b>Vendor/Provider</b>	<b>Required/Optional</b>	<b>Materials Information/Pricing</b>
SAS Curriculum Pathways Online Subscription	SAS Curriculum Pathways	Required	SAS is a free online subscription.
The Enduring Vision 6th edition	Holt McDougal	Required	eBook ISBN 9780538487603. \$49.46 per student for one year

# Middle School Electives Materials

The following lists the courses in the **Electives pathway** that need required or optional materials. Refer to the Vendor/Provider At-A-Glance table for ordering instructions and more details.

## Business Keyboarding, (GS) v11

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
MicroType 5.0/MicroType Mac	Cengage/Thomson Learning	Required	<p><b>PC users</b>            MicroType 5.0, ISBN-10: 053844980-2, ISBN-13: 978-053844980-9.            • Licensing fee for PC: \$450.00 for up to 350 students per year.</p> <p><b>Mac users</b>            MicroType Mac ISBN-13: 978-0-538-44361-6, ISBN-10: 0-538-44361-8.            • Licensing fee for MAC: \$200 for up to 350 students per year.            • Beyond 350 students: extended user fee of \$3.35 per student, per year, applies.            Requires Macmind for MAC OS Lion users (see below)</p> <p><b>Classroom Edition:</b>            • \$12.00 for the first 10-30.            • Additional 31-200 are \$6.00 each.            • Additional 200+ are \$3.00 each.</p>
Microtype MAC Lion	Macinmind	Optional	<p>This product is for MAC OS Lion users to facilitate use of Microtype. Price:</p> <ul style="list-style-type: none"> <li>• Master Key single license standard edition for Mac or Windows: \$18.00 (you can choose one platform or the other)</li> <li>• Bundle license with both platforms: \$24.00</li> </ul>

## Comprehensive PE Grades 6/7, (GS) v11

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Discovery Education Online Subscription	Discovery Education	Required	\$3.95 per student (not per course)

## Comprehensive PE Grades 7/9, (GS) v11

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Discovery Education Online Subscription	Discovery Education	Required	\$3.95 per student (not per course)

## Fitness Grade 6, (GS) v11

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Discovery Education Online Subscription	Discovery Education	Required	\$3.95 per student (not per course)

**Orientation to Art 2D, (GS) v5**

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Various Materials	Provided by Student/School	Required	Refer to the Materials Provided by Student/School section for a list of materials

**Reading I, (GS) v8**

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Novels	Provided by Student/School	Required	Refer to the Materials Provided by Student/School section for a list of materials

**Spanish I, (GS) v7**

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Microphone and recording device	Provided by Student/School	Required	Clients may use any system that allows students to make a voice recording and the teacher to listen to the recording. Other options may include: Freecorder, WIMBA, and Audacity

**Spanish II, (GS) v9**

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Discovery Education Online Subscription	Discovery Education	Required	\$3.95 per student (not per course)

**Spanish III, (GS) v9**

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Microphone and recording device	Provided by Student/School	Required	Clients may use any system that allows students to make a voice recording and the teacher to listen to the recording. Other options may include: Freecorder, WIMBA, and Audacity

# High School Electives Materials

The following lists the courses in the **Electives pathway** that need required or optional materials. Refer to the Vendor/Provider At-A-Glance table for ordering instructions and more details.

## Adaptive Personal Fitness or 504 Plan, (GS) v8

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Discovery Education Online Subscription	Discovery Education	Required	\$3.95 per student (not per course)

## Chinese I, (GS) v7

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Microphone and recording device	Provided by Student/School	Required	Clients may use any system that allows students to make a voice recording and the teacher to listen to the recording. Other options may include: Freecorder, WIMBA, and Audacity

## Chinese II, (GS) v8

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Microphone and recording device	Provided by Student/School	Required	Clients may use any system that allows students to make a voice recording and the teacher to listen to the recording. Other options may include: Freecorder, WIMBA, and Audacity

## Chinese III, (GS) v9

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Microphone and recording device	Provided by Student/School	Required	Clients may use any system that allows students to make a voice recording and the teacher to listen to the recording. Other options may include: Freecorder, WIMBA, and Audacity

## Computer Programming 1

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Cable (Serial or USB)	Parallax Inc. or MBS Direct	Required	Parallax Price: \$9.99 per cable. MBS Direct Price: • New: \$17.75 • Used: \$13.25
Microphone and recording device	Provided by Student/School	Required	In segment two, the student will need access to a microphone and speakers for the computer.
Python, Java, BlueJ, bookClasses	Free Downloads	Required	These downloads are free of charge.
Scribbler Robot	Parallax Inc. or MBS Direct	Optional	Parallax Price: • Individual: \$129.99 • 100+: \$97.49 MBS Direct Price: • New: \$119.75

			<ul style="list-style-type: none"> <li>Used: \$89.75</li> </ul> Note: AA alkaline or NIMH batteries required.
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### Digital Photography I

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Digital camera	Provided by Student/School	Required	Refer to the Materials Provided by Student/School section for more information.

### Digital Photography II

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Digital camera	Provided by Student/School	Required	Refer to the Materials Provided by Student/School section for more information.

### Health Opportunities through Physical Education (HOPE) , (GS) v9

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Discovery Education Online Subscription	Discovery Education	Required	\$3.95 per student (not per course)

### Journalism I, (GS) v11

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Discovery Education Online Subscription	Discovery Education	Required	\$3.95 per student (not per course)

### Latin II, (GS) v8

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Discovery Education Online Subscription	Discovery Education	Required	\$3.95 per student (not per course)

### Personal Fitness, (GS) v10

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Discovery Education Online Subscription	Discovery Education	Required	\$3.95 per student (not per course)

### Psychology, (GS) v10

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Discovery Education Online Subscription	Discovery Education	Required	\$3.95 per student (not per course)

### Reading for College Success, (GS) v10

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Discovery Education Online Subscription	Discovery Education	Required	\$3.95 per student (not per course)

### Spanish I, (GS) v9

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Microphone and recording device	Provided by Student/School	Required	Clients may use any system that allows students to make a voice recording and the teacher to listen to the recording. Other options may include: Freecorder, WIMBA, and Audacity

### Spanish II, (GS) v8

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Microphone and recording device	Provided by Student/School	Required	Clients may use any system that allows students to make a voice recording and the teacher to listen to the recording. Other options may include: Freecorder, WIMBA, and Audacity
Discovery Education Online Subscription	Discovery Education	Required	\$3.95 per student (not per course)

### Spanish III, (GS) v10

Title	Vendor/Provider	Required/Optional	Materials Information/Pricing
Microphone and recording device	Provided by Student/School	Required	Clients may use any system that allows students to make a voice recording and the teacher to listen to the recording. Other options may include: Freecorder, WIMBA, and Audacity
Discovery Education Online Subscription	Discovery Education	Required	\$3.95 per student (not per course)

# Vendor/Provider At-a-Glance

This table includes approved vendors you will contact to order required or optional materials for the courses in the Virtual, Honors, Electives and AP pathways in GradPoint.

Vendor/Provider	Contact Information	Instructions
American Paper Optics	Call 303-399-8889 or Email <a href="mailto:CraigJonesAPO@comcast.net">CraigJonesAPO@comcast.net</a> .	Ask for the Chromadepth HD glasses.
Cengage/Thomson Learning	PC Order, call Karen Schmohe at 800-543-0487 X 1570 or Email <a href="mailto:karen.schmohe@cengage.com">karen.schmohe@cengage.com</a> .	
Design Science, Inc.	Call 800-827-0685 or visit <a href="http://www.mathtype.com">www.mathtype.com</a> .	
Discovery Education	Your school or district may already have licenses for Discovery Education, please inquire before ordering. If you need to order, contact Brad Hagaman, Regional Manager, at <a href="mailto:brad_hagaman@discovery.com">brad_hagaman@discovery.com</a> or call 704-557-2446 .	State you are a FLVS referral. Provide the material title.
Geogebra	To download, students should visit <a href="http://www.geogebra.org/cms/en/download">http://www.geogebra.org/cms/en/download</a> .	
Graphmatica	Email <a href="mailto:sales@graphmatica.com">sales@graphmatica.com</a> or visit <a href="http://www.graphmatica.com">http://www.graphmatica.com</a> .	
Holt McDougal	Email orders to <a href="mailto:flvscustomer@hmhpub.com">flvscustomer@hmhpub.com</a>	Provide the material title and FLVS course number or ISBN.
IMACS	Contact Terry Kaufman at <a href="mailto:tkaufman@imacs.org">tkaufman@imacs.org</a> or 954.791.2333.	
Intelcom	Call 800-323-9084 ext 8087312.	State you will be leasing the course.
kSoft, Inc.	Email <a href="mailto:sales@graphmatica.com">sales@graphmatica.com</a> for an accurate quote or visit <a href="http://www.graphmatica.com">http://www.graphmatica.com</a> .	
Macinmind	Contact Jay Lichtenauer at <a href="mailto:jay@macinmind.com">jay@macinmind.com</a> and visit <a href="http://macinmind.com/?area=app&amp;app=masterkey&amp;pg=info">http://macinmind.com/?area=app&amp;app=masterkey&amp;pg=info</a> .	Click Purchase, pay by credit card.
MBS Direct	Call 1-888-886-3072 or email <a href="mailto:flvs@mbsdirect.net">flvs@mbsdirect.net</a> .	Provide the material title, state you are a FLVS referral and provide the corresponding course number:
Parallax, Inc.	Contact Jim Carey at 916-624-8333 or email <a href="mailto:jcarey@parallax.com">jcarey@parallax.com</a> .	Provide Item # and state you are an FLVS client.
Pearson Education	Call 800-848-9500.	Provide the material's ISBN number.
Pearson K-12 Custom Solutions	Call 800-848-9500.	Provide the material's ISBN number.
Provided by Student/School	Refer to the Student/School Materials Section of this guide.	
SAS Curriculum Pathways	Register online at <a href="http://www.sascurriculumpathways.com">www.sascurriculumpathways.com</a> or call 1-888-760-2515.	Under the Subscription tab, click "Get a Subscription."
Stellarium	Options provided within the course to access this resource.	
Vernier Software and Technology	This software is provided as a downloadable within the course information area.	

# Materials Provided by Student/School

## AP Art History

Recommended reading:

- *Gardner's Art Through the Ages*
- *Stokstad's Art History*
- *Barron's AP Art History REA (Research & Education Association) or AP Art History*

Used copies of these beautiful texts are available at many online retailers, as are their accompanying workbooks. Some students like to have an AP Art History Exam preparation book. Both options above come with CDs that include practice exams and full color images of works of art. It is advisable that you make use of the resources both within this course and at <http://www.collegeboard.com/student/testing/ap/about.html>

## AP Biology

Segment 1	Segment 2
<p><b>Lesson 1.03</b></p> <ul style="list-style-type: none"> <li>• 125 light colored beans and 50 dark colored beans (or you can use two colors of candy)</li> <li>• Calculator Graph paper</li> </ul> <p><b>Lesson 2.03</b></p> <ul style="list-style-type: none"> <li>• 6 large plastic cups or bowls</li> <li>• Aluminum foil or plastic use wrap</li> <li>• Knife (to cut the potato/fruit)</li> <li>• Metric ruler</li> <li>• Paper towel</li> <li>• 2 water tight zip-lock plastic sandwich bags</li> <li>• Measuring cups and spoons</li> <li>• 1 potato</li> <li>• Your choice of one of the Water following: sweet potato, pear, or apple</li> <li>• 60 g or 5 tablespoons (tbs.)sucrose (table sugar)</li> <li>• 100 mL distilled water (from the grocery store)</li> <li>• Iodine (can be obtained at a discount or drug store)</li> </ul>	<p>• Starch solution (Options for creating solution):</p> <ul style="list-style-type: none"> <li>○ Option 1. Add 1/4 cup cornstarch and 1/4 cup water into a bowl. Stir to mix. Add 1 to 1 1/2 cups very warm water (Be very careful when working with hot water), stir well.</li> <li>○ Option 2. Boil a small potato in 1 cup of water, and then mash the potato. After the potato cools, pour water over the mashed potato and strain the fibrous part out using a coffee filter. Cool to room temperature to avoid adding temperature as a variable.)</li> </ul> <p><b>Lesson 3.04</b></p> <ul style="list-style-type: none"> <li>• Glass cup or bowl</li> <li>• Hole puncher or plastic drinking straw</li> <li>• Tap water</li> <li>• Liquid dish soap</li> <li>• Timer or clock with a second hand</li> <li>• Lamp (with 60-watt or higher light bulb)</li> <li>• Metric ruler</li> <li>• Baking soda (sodium bicarbonate, NaHCO<sub>3</sub>)</li> <li>• Leaf from a living plant (flexible, without a waxy covering- such as fresh spinach)</li> <li>• Plastic syringe (10 mL or larger, without needle—can be purchased at a drug store)</li> </ul> <p><b>Lesson 5.01</b></p> <ul style="list-style-type: none"> <li>• Student selection of materials to model mitosis</li> <li>• Choice of: clay, pipe cleaners, or other objects</li> <li>• Camera to capture an image of the model created</li> </ul> <p><b>Lesson 6.05</b></p> <ul style="list-style-type: none"> <li>• 15 pill bugs [contact your instructor if you wish to an alternate animal(s) or if you need assistance locating pill bugs]</li> <li>• 2 shoe boxes to make a choice chamber</li> <li>• Scissors</li> <li>• Tape</li> <li>• Watch with a minute hand and a second hand</li> <li>• Filter paper or paper towels</li> <li>•</li> </ul> <p><b>Lesson 7.04</b></p> <ul style="list-style-type: none"> <li>• A cemetery (or access to cemetery records) a</li> <li>• Calculator</li> <li>• A pencil or pen</li> <li>• Paper</li> </ul>



## AP English Language and Composition

Students will need to purchase or borrow the following books from their school or public library.

- *Fast Track to a 5: Preparing for the English Language and Composition Examination* and/or
- *5 Steps to a 5 AP English Language, Second Edition.*

**Module 1:** *The Crucible* by Arthur Miller

**Module 4:** **Choose one** of the following:

- *Zen in the Art of Writing* by Ray Bradbury
- *On Writing Well* by William Zinsser

**Module 6:** *Their Eyes Were Watching God*

**Module 7:** **Choose one** of the following:

- *Hunger for Memory* by Richard Rodriguez
- *A Long Way Gone: Memoirs of a Boy Soldier* by Ishmael Beah;
- *Angela's Ashes* by Frank McCourt
- *The Woman Warrior* by Maxine Hong Kingston
- *Reading Lolita in Tehran* by Azar Nafisi
- *One Writer's Beginnings* by Eudora Welty.

**Module 8:** **Choose one** of the following:

- *Three Cups of Tea* by Greg Mortenson
- *Into the Wild* by Jon Krakauer
- *Nickel and Dimed* by Barbara Ehrenreich
- *Atomic Farmgirl* by Teri Hein
- *Fast Food Nation* by Eric Schlosser

## AP English Literature and Composition

Students may obtain the following materials by either purchasing, borrowing from the library or renting from a local video store:

- *Frankenstein* by Mary Shelley
- *The Hollow Men* by T. S. Eliot
- *Heart of Darkness* by Joseph Conrad
- *Wuthering Heights* by Emily Bronte
- *Grapes of Wrath* by John Steinbeck
- *Hamlet* by William Shakespeare
- *The Awakening* by Kate Chopin
- *Death of a Salesman* by Arthur Miller
- *Barron's How to Prepare for the Advanced Placement Exam in AP English: Literature and Composition*

**Module 2:** **Choose one** of the following:

- *One Hundred Years of Solitude* by Gabriel García Márquez
- *Great Expectations* by Charles Dickens
- *Jane Eyre* by Charlotte Brontë
- *Adventures of Huckleberry Finn* by Mark Twain
- *Moby-Dick* by Herman Melville
- *Tess of the d'Urbervilles* by Thomas Hardy
- *Pride and Prejudice* by Jane Austen
- *The Color Purple* By Alice Walker
- *Things Fall Apart* by Chinua Achebe
- *The Stranger* by Albert Camus
- *The Catcher in the Rye* by J. D. Salinger;
- *Beloved* by Toni Morrison.

**Module 9:** **Choose one** of the following:

- *Things Fall Apart* by Chinua Achebe
- *A House Made of Dawn* by Scott Momaday
- *Cry, the Beloved Country* by Alan Paton
- *Othello*

<b>Optional materials:</b>	<ul style="list-style-type: none"> <li>• <i>Hamlet</i> video (Versions available: Mel Gibson, Kenneth Branagh, Laurence Olivier)</li> <li>• <i>The Importance of Being Earnest</i> video</li> </ul>
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## AP Environmental Science

Students should secure the following items from home or from their local store:

<ul style="list-style-type: none"> <li>• 70 navy beans</li> <li>• 40 kidney beans</li> <li>• 40 black beans</li> <li>• 4 black-eyed peas</li> <li>• 2 extra cups of beans</li> <li>• Calculator</li> <li>• One two-liter plastic soda bottle that is "clear," so you can see through it (be sure the bottle has a cap)</li> <li>• Stopwatch or clock with second hand</li> </ul>	<ul style="list-style-type: none"> <li>• Book of matches (no lighters)</li> <li>• 250 mL beaker or 2–4 cup measuring cup</li> <li>• Hot water</li> <li>• Ice water</li> <li>• Chocolate chip cookie</li> <li>• Toothpicks</li> <li>• Paperclips</li> <li>• Graph paper</li> <li>• Leaves</li> <li>• A tape measure</li> </ul>	<ul style="list-style-type: none"> <li>• A stick</li> <li>• Cemetery records or access to a cemetery</li> <li>• Soil from the area of your home</li> <li>• Coffee filters</li> <li>• Cornstarch</li> <li>• Iodine solution</li> <li>• Shovel</li> <li>• NPK kit</li> <li>• Flour</li> <li>• Sugar</li> </ul>	<ul style="list-style-type: none"> <li>• Rice or cornmeal</li> <li>• Magnifying glass</li> <li>• Plastic container</li> <li>• Toothbrush</li> <li>• Garbage</li> <li>• Garbage bags</li> <li>• Rubber gloves</li> <li>• Scale</li> <li>• Camera</li> <li>• Fruit peels</li> <li>• Newspaper</li> <li>• Gum or Styrofoam</li> <li>• Oatmeal</li> </ul>
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## AP Spanish

This course uses voice recordings. A microphone and recording device for your computer is required.

## AP Statistics

Students will need a TI-84 calculator to complete this course.

## Biology I/Honors

Students should secure the following items from home or from their local store: five different foods from pantry,

<p><b>Module 1: 1.05 Scientific Method Lab Activity</b></p> <ul style="list-style-type: none"> <li>• 5 different foods from your fridge or pantry. Foods need to be the same size and they need to be room temperature (let them sit out for several hours so that they warm up)</li> <li>• Clear cup or glass</li> <li>• Bottle of hydrogen peroxide</li> <li>• Paper and pen</li> <li>• Watch with second</li> </ul>	<p><b>4.06 Honors Lab</b></p> <ul style="list-style-type: none"> <li>• 2-3 Fresh or individually frozen strawberries</li> <li>• Liquid detergent - 1 ml or a scant 1/4 teaspoon. (Note: you can use a medicine syringe from the pharmacy to measure ml.)</li> <li>• Alcohol - 14 ml or 1 tablespoon 70% isopropyl alcohol</li> <li>• 50-60° Celsius tap water - 20 ml or 1 tablespoon</li> </ul>	<p><b>Module 5: 5.02 Fossils</b></p> <ul style="list-style-type: none"> <li>• Small package of Plaster of Paris (you can find this in the arts section of department stores, like Wal-Mart and Target, or at any craft store)</li> <li>• Water</li> <li>• Aluminum foil</li> <li>• Medium size shell (at least 3 inches)</li> </ul> <p><b>Module 6: 6.03</b></p>	<ul style="list-style-type: none"> <li>• open and allow to go flat overnight</li> <li>• 1 (14-20 oz.) Fruit Juice-uncarbonated (make sure all your bottles are the same oz.)</li> <li>• Water</li> <li>• Sugar</li> <li>• 4 identical round</li> <li>• Thin latex balloons—"water balloons" are slow to expand. Non-Mylar® "helium-quality" balloons give good results. But, water balloons will work</li> <li>• String or yarn</li> <li>• Ruler</li> </ul>
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<p>hand (optional)</p> <p><b>Module 3:3.05 Cell Transportation Lab</b></p> <ul style="list-style-type: none"> <li>• Raw egg</li> <li>• String or thread or yarn</li> <li>• Ruler</li> <li>• White vinegar</li> <li>• Tap water</li> <li>• Jar with a lid (like a mayonnaise jar -- something big enough to put the egg in)</li> <li>• Karo or pancake syrup (optional)</li> </ul> <p><b>Module 4:4.05 Build a Teen</b></p> <ul style="list-style-type: none"> <li>• two coins</li> </ul>	<ul style="list-style-type: none"> <li>• 50 ml test tube or baby food jar</li> <li>• Measuring spoons</li> <li>• Medicine syringe, or other measuring devices</li> <li>• Wooden applicator stick</li> <li>• Glass stirring rod/hook</li> <li>• Paper clip hook, or shish kebob skewer for stirring and collecting the mixture</li> <li>• Eyedropper</li> <li>• Paper towels or filter paper (coffee filters will work) - for drying DNA; kitchen scale (optional).</li> </ul>	<p><b>Transmission and Treatment</b></p> <ul style="list-style-type: none"> <li>• Timer or watch that counts seconds; access to a sink</li> <li>• Blindfold</li> <li>• Washable paint</li> <li>• Paper towels</li> <li>• Hand soap</li> </ul> <p><b>6.08 Growing a Fungus</b></p> <ul style="list-style-type: none"> <li>• Yeast-teaspoon measure</li> <li>• Permanent marker</li> <li>• Active dry yeast (used in baking bread—do not use quick-rising varieties)</li> <li>• 2 empty &amp; clean (14-20 oz.) soda bottles 1 (14-20 oz.) Coke-</li> </ul>	<p><b>Module 7:7.03 Reproduction of Plants</b></p> <ul style="list-style-type: none"> <li>• large flowers (ex. A lily is a great flower for this activity. Azaleas and hibiscus work well too)</li> <li>• Cutting board</li> </ul>
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## Calculus

Student will be required to purchase a graphing calculator online or at a local store or visit <http://www.graphmatica.com> for Graphmatica.

## Chemistry I/Honors

Students should secure the following items from home or from their local store:

<ul style="list-style-type: none"> <li>• Multicolored gumdrops</li> <li>• Marshmallows, or other soft candy</li> <li>• Toothpicks</li> <li>• Candy with a colored coating, like Skittles® or M&amp;Ms® (4 different colors)</li> <li>• Rubbing alcohol or isopropyl alcohol</li> <li>• Coffee filters (2)</li> <li>• Tall glasses or plastic cups (2)</li> <li>• Ruler</li> <li>• Tape</li> <li>• Foil or paper plate</li> <li>• Measuring cups/spoons</li> <li>• Clean pitcher or 2-</li> </ul>	<ul style="list-style-type: none"> <li>• Four different markers (including one black permanent marker)</li> <li>• One piece of steel wool</li> <li>• Vinegar</li> <li>• Thermometer</li> <li>• Glass jar with lid, or disposable plastic cup (not polystyrene—also referred to as Styrofoam™) with lid/plastic wrap</li> <li>• Newspaper</li> <li>• Baking soda</li> <li>• Vinegar</li> <li>• One disposable plastic (not polystyrene—also</li> </ul>	<ul style="list-style-type: none"> <li>• A minimum of 80 small candies</li> <li>• Coins, or other objects</li> <li>• 200 M&amp;M® candies</li> <li>• Pennies, or other small candy/item with two distinct sides</li> <li>• Shoe box or other small box with a lid</li> <li>• Faucet with running water</li> <li>• Small plastic hair comb or latex balloon</li> <li>• Small paper clip</li> <li>• Towel</li> <li>• 1/4 cup sugar</li> <li>• Ice cubes (at least one cupful)</li> </ul>	<ul style="list-style-type: none"> <li>• A kitchen thermometer (that measures temperatures up to at least 105°C, or around 215°F)</li> <li>• A stove top</li> <li>• One empty soda can</li> <li>• Tongs</li> <li>• 1/2 cup milk</li> <li>• 1/2 cup whipping cream (heavy cream)</li> <li>• 1/4 teaspoon vanilla or vanilla flavoring (vanillin)</li> <li>• 3/4 cup rock salt (sodium chloride, NaCl); try regular table salt if you can't find rock salt at the store</li> <li>• 1 one-quart zip-seal food storage bag</li> <li>• 1 one-gallon zip-seal</li> </ul>
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liter bottle	referred to as Styrofoam™) cup	• One 2- to 3-quart saucepan	• food storage bag
	• One disposable plastic spoon (plastic fork or knife may be used)	• Water	• Table salt

### Chinese I

This course uses voice recordings. A microphone and recording device for your computer is required.

### Chinese II

This course uses voice recordings. A microphone and recording device for your computer is required.

### Chinese III

This course uses voice recordings. A microphone and recording device for your computer is required.

### Comprehensive Science I/Adv

Students should secure the following items from home or from their local store:

• Steps	• Hard covered books	• Blocks, or boxes to hold up the ramp	• Wood	• Foam board	• Hard-covered notebook	• Cookie sheet, or other flat surface for ramp	• Small ball (rubber, golf, tennis, etc.) or can to roll down the ramp
						• Ruler or tape measure	
						• Towel	
						• Carpet	
						• Cotton fabric, and other materials to alter the surface texture of the ground	

### Digital Photography I

In this course, students will build a portfolio of images. A digital camera from home or purchased from a local or online store is required.

### Digital Photography II

In this course, students will build a portfolio of images. A digital camera from home or purchased from a local or online store is required.

### Earth Space Science/Honors

Students should secure the following items from home or from their local store:

• One sheet of plain white paper	• Several sheets of old newspaper, or wax paper if available	• Ruler or meter stick	• 4.6 meters of adding-machine tape, or strips of paper taped	• Colored pencils	• 1 dowel rod	• Pencil, or other long holder for the Styrofoam ball	• Measuring cup	• 1 un-inflated balloon (when inflated, the balloon should have a round shape and be
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<ul style="list-style-type: none"> <li>• One water-based marker (Note: do not use permanent marker)</li> <li>• One spray bottle containing water (place on "mist" setting)</li> <li>• Chocolate chip cookie</li> <li>• Toothpicks (flat and round)</li> <li>• Paperclips</li> <li>• Graph paper</li> </ul>	<p>together to form a continuous line (4.6 meters long)</p> <ul style="list-style-type: none"> <li>• Digital camera to take and submit a photograph of your time scale (optional)</li> <li>• 1 Styrofoam ball, Alternately, you may obtain a similar sphere, preferably white, such as a table-tennis ball, and attach this sphere to a short piece of string</li> </ul>	<ul style="list-style-type: none"> <li>• Empty aluminum soda can (optional)</li> <li>• Shallow pan (baking, or pie pan, or storage bowl will do)</li> <li>• Water, Stove top burner</li> <li>• Two oven mitts or hot pads</li> <li>• Plastic bucket or bowl</li> <li>• Toothbrush</li> <li>• Stopwatch</li> </ul>	<p>approximately the size of a soccer ball)</p> <ul style="list-style-type: none"> <li>• About 30 cm (12 inches) of string or yarn</li> <li>• Pan</li> <li>• Raw egg</li> <li>• Cracking device such as a teaspoon</li> <li>• Paper towels or newspaper</li> <li>• Timer, or clock with second hand</li> <li>• Crayons, or markers</li> </ul>
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## English II/Honors

<p><b>Segment One Obstacles Unit:</b></p>	<p><b>ALL Students will need to provide one</b> of the following:</p> <ul style="list-style-type: none"> <li>• <i>Enrique's Journey</i> by Sonia Nazario</li> <li>• <i>Hiroshima</i> by John Hersey</li> <li>• <i>Of Mice and Men</i>*** by John Steinbeck.</li> </ul> <p>Note: Honors students will read <i>Enrique's Journey</i> but students not seeking honors credit may choose this novel as well.</p>	<p><b>Honors</b> students will need to provide one of the following:</p> <ul style="list-style-type: none"> <li>• <i>Great Expectations</i> by Charles Dickens,</li> <li>• <i>Anthem</i> by Ayn Rand (free download available)</li> </ul>
<p><b>Segment Two Transformation Unit:</b></p>	<p><b>ALL Students will need to provide one</b> of the following:</p> <ul style="list-style-type: none"> <li>• All students will need to provide one of the following novels for Segment Two Transformation Unit:</li> <li>• <i>Ender's Game</i>*** by Orson Scott Card</li> <li>• <i>The Hot Zone</i> by Richard Preston</li> <li>• <i>Their Eyes Were Watching God</i>*** by Zora Neale Hurston</li> <li>• <i>Fallen Angels</i>*** by Walter Dean Myers</li> <li>• <i>Hoops</i>*** by Walter Dean Myers</li> <li>• <i>The Great Tree of Avalon: The Child of the Dark Prophecy</i> by T.A. Barron</li> <li>• <i>Chinese Cinderella</i> by Adeline Yen Mah</li> <li>• <i>Copper Sun</i>*** by Sharon M. Draper</li> </ul> <p>Note: Honors students will choose among <i>Ender's Game</i>, <i>The Hot Zone</i>, and <i>Their Eyes Were Watching God</i>, but students not seeking honors credit may choose these novels as well.</p>	<p><b>Honors</b> students will need to obtain the novel <i>Rebecca</i> by Daphne DuMaurier for Segment Two Fear Unit (free download available).</p>

\*\*\* Novel deals with mature subject matter or contains adult language or situations.

## English III/Honors

All materials listed here are for **HONORS STUDENTS ONLY**:

- *Frankenstein* by Mary Shelley
- 2002 film version of *The Importance of Being Earnest* with Reese Witherspoon, Colin Firth, and Rupert Everett
- 1999 film version of *A Midsummer Night's Dream* with Michelle Pfeiffer, Kevin Kline, and Rupert Everett
- Film version of *Hamlet*, any film version that is PG-13 or lower

## Language Arts I/Adv

Students will need to obtain ONE of the following novels:

- *The Eyes of the Amaryllis* by Natalie Babbitt
- *Number the Stars* by Lois Lowry
- *Holes* by Louis Sachar
- *The Cay* by Theodore Taylor.

**Advanced students** will need to obtain each of the following novels:

- *Dancing in Cadillac Light* by Kimberly Willis Holt
- *Bloomability* by Sharon Creech
- *The Twenty-One Balloons* by William Pene du Bois.

## Language Arts II/Adv

Advanced Students will need to obtain *Gathering Blue* by Lois Lowry

Alternate choices with instructor approval:

- *Breathing Under Water* by Alex Flinn or
- *Hatchet* by Gary Paulsen.

All Students will need to obtain ONE of the following novels:

- *Tangerine* by Edward Bloor or
- *A Girl Named Disaster* by Nancy Farmer

Advanced Track Students may also choose- *Homecoming* by Cynthia Voigt.

## Language Arts III/Adv

Advanced Students will need to obtain a copy of *To Kill a Mockingbird* by Harper Lee.

All Students will need to obtain ONE of the following novels:

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| • <i>The Giver</i> by Lois Lowry;                    | • <i>The Watsons Go to Birmingham -1963</i> by Christopher Paul Curtis |
| • <i>The Outsiders</i> by S.E. Hinton                | • <i>Out of the Dust</i> by Karen Hesse                                |
| • <i>The Old Man and the Sea</i> by Ernest Hemingway | • <i>The Last Book in the Universe</i> by Rodman Philbrick.            |

## Liberal Arts Mathematics

Student will be required to purchase a graphing calculator online or at a local store or visit <http://www.graphmatica.com> for Graphmatica.

## Marine Science/Honors

Students should secure the following items from home or from their local store:

<ul style="list-style-type: none"><li>• Camera</li><li>• Access to a body of water</li><li>• Two baby food jars (minimum)</li><li>• Food coloring (four colors)</li><li>• Index cards</li><li>• One oyster with shell</li><li>• One squid (whole)</li></ul>	<ul style="list-style-type: none"><li>• Salt</li><li>• Spoon</li><li>• Shrimp</li><li>• Lobster</li><li>• Crab (living or dead)</li><li>• Pan or bucket to put animal in</li><li>• Duct tape (optional)</li></ul>	<ul style="list-style-type: none"><li>• Ruler</li><li>• Four zip lock bags (large enough for hand)</li><li>• Solid shortening (Crisco or other brand)</li><li>• Clock with second hand or stopwatch</li></ul>	<ul style="list-style-type: none"><li>• A pan to put the specimen in</li><li>• A knife, preferably with a smooth, sharp blade</li><li>• Flathead screwdriver (to open the valves)</li><li>• Round toothpick (to use as a probe)</li><li>• Hot/cold water</li></ul>
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## Mathematics I/ADV

Students should secure the following items from home or from their local store:

<ul style="list-style-type: none"><li>• A protractor</li><li>• Compass</li><li>• Ruler or straightedge</li><li>• Favorite recipe</li></ul>	Optional: <ul style="list-style-type: none"><li>• 1.6 ounce bag of M&amp;M'S® chocolate candies (plain variety) (optional)</li></ul>	<ul style="list-style-type: none"><li>• Yardstick or tape measure</li><li>• String</li><li>• Marker</li></ul>	<ul style="list-style-type: none"><li>• Tape</li><li>• Graph paper</li><li>• Calculator</li></ul>
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## Mathematics II/ADV

Students should secure the following items from home or from their local store:

<ul style="list-style-type: none"><li>• A protractor</li><li>• Compass</li><li>• Ruler or straightedge</li></ul>	Optional: <ul style="list-style-type: none"><li>• A newspaper</li><li>• Calculator</li><li>• Graph paper</li></ul>	<ul style="list-style-type: none"><li>• A magazine</li><li>• A bean bag</li><li>• Stone, or other item that tosses easily</li></ul>	<ul style="list-style-type: none"><li>• Sheet music for a single song</li><li>• Digital camera</li><li>• Yard stick or tape measure</li></ul>
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## Mathematics III/ADV

Students should secure the following items from home or from their local store:

<ul style="list-style-type: none"><li>• Protractor</li><li>• Compass</li><li>• Ruler or straightedge, tape measure</li><li>• Index cards</li></ul>	Optional: <ul style="list-style-type: none"><li>• Newspaper or news magazine</li><li>• Graph papers</li><li>• Digital camera</li></ul>		
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## Orientation to Art 2D

Students will need to obtain the following materials for this course:

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| <ul style="list-style-type: none"><li>• A word processing program</li><li>• Access to a newspaper for the comic section</li><li>• Plain white paper for printing and drawing</li></ul> | <ul style="list-style-type: none"><li>• Pencils</li><li>• Markers (a large set that includes tints of colors. For example: blue, light blue, and dark blue)</li></ul> | <ul style="list-style-type: none"><li>• 1 poster paint (any color) and brush</li><li>• Watercolor paint set</li><li>• 1 glue stick</li><li>• 1 sketchbook</li><li>• 1 three-hole punch</li></ul> | <ul style="list-style-type: none"><li>• 3 Styrofoam trays (cleaned meat tray or plate will work)</li><li>• 1 black fine point sharpie marker</li><li>• 1 ruler and 1 pair of scissors.</li></ul> |
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## Physical Science/Honors

Materials needed for activities and labs in the course:

- 4 antacid tablets
- 2 clear cups labeled Hot and Cold
- Water
- timing device

## Physics/Honors

Students should secure the following items from home or from their local store:

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| <ul style="list-style-type: none"><li>• Ruler</li><li>• Protractor</li><li>• Scientific calculator</li><li>• Bag of regular (NOT peanut) M&amp;Ms (about 8 oz)</li><li>• Plastic vernier caliper</li><li>• 100 ml plastic graduated cylinder (optional)</li><li>• Meter stick</li></ul> | <ul style="list-style-type: none"><li>• Objects with a circular surface (can of soup, bicycle tire, lids, drinking glass, etc.)Masking or cellophane tape</li><li>• Superball or other small ball</li><li>• Stopwatch</li><li>• Ruler</li></ul> | <ul style="list-style-type: none"><li>• 3x5 cards</li><li>• Glass</li><li>• Penny</li><li>• Small juice glass or a small, clear plastic container</li><li>• Thermometer</li><li>• Ice cubes</li><li>• Styrofoam cup</li><li>• Measuring tape</li><li>• Chalk</li></ul> | <ul style="list-style-type: none"><li>• Paper clips</li><li>• Rubber band</li><li>• String</li><li>• Sand or fine dirt</li><li>• Cellophane</li><li>• Newspapers</li><li>• Glass baking dish</li><li>• 200 pennies.</li><li>• String</li><li>• Tennis ball</li></ul> |
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## Reading I

**Module 1:** All students must choose one of the following:

- *Summer On Wheels* by Gary Soto
- *Soccer Circus* by Jamie Gilson
- *Hush* by Jacqueline Woodson
- *Hatchet* by Gary Paulsen
- *Hope Was Here* by Joan Bauer
- *The River* by Gary Paulsen
- *The Summer of the Swans* by Betsy Byars
- *Stargirl* by Jerry Spinelli
- *The Vanishing Chip* by Mark Delaney

**Advanced students** will need to obtain one of the following novels:

- *The Westing Game* by Ellen Raskin
- *The View from Saturday* by E.L. Koningsburg.



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| <b>Modules 6 &amp; 7:</b> | <b>All students</b> must choose one of the following: <ul style="list-style-type: none"><li>• <i>Lily's Crossing</i> by Patricia Reilly Giff</li><li>• <i>Johnny Tremain</i> by Esther Forbes</li><li>• <i>The Witch of Blackbird Pond</i> by Elizabeth George Speare</li></ul> |
| <b>Modules 8 &amp; 9:</b> | <b>All students</b> must choose one of the following: <ul style="list-style-type: none"><li>• <i>Travel Team</i> by Mike Lupica</li><li>• <i>Al Capone Does My Shirts</i> by Jennifer Choldenko</li><li>• <i>Kira- Kira</i> by Cynthia Kadohata</li></ul>                       |

## Spanish I

This course uses voice recordings. A microphone and recording device for your computer is required.

## Spanish II

This course uses voice recordings. A microphone and recording device for your computer is required.

## Spanish III

This course uses voice recordings. A microphone and recording device for your computer is required.

# Canyons Virtual High School



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