



TECHNOLOGY

We are a BYOD (Bring Your Own Device) School. This means that we are open to kids having any device that has wi-fi capabilities, Microsoft Office or Google Apps Capabilities.

All students need to purchase **their own** version of MalwareBytes (Anti-Spyware/Anti-Virus software - www.malwarebytes.org) and have it installed on their Macs, PCs, Tablets, and iPads.

Minimum Computer Requirements

(Any questions on ordering, please direct them to Jean-Claude Moritz at jcmoritz@vchsweb.org)

Apple MacBook, MacBook Air, or MacBook Pro.

The MacBook fits all specs. The MacBook Air is lighter and has two USB ports. The MacBook Pro is fully loaded with multiple ports and power. All are great. Need a USB Adapter for Flash Drives required in classes.

PC Laptops, Surface, Tablets and Lights.

All Dell, Lenovo, Acer, Microsoft, ASUS, Alienware, etc... are welcome. Minimum Specs: 64 GB Flash Memory, 8 GB Ram, Wifi, Intel Dual Core (6th generation or better) 14" Screen or better suggested. Need a USB port for Flash Drives required in classes.

ChromeBook

15.6" Touchscreen Chromebook - Intel Pentium - 8 GB Memory - 64 GB Flash Memory. Need a USB port for Flash Drives required in classes. We are a Google Apps for Education Partner at Vail Christian so Chromebooks work very well in our environment but may not work with certain science classes (Chemistry, Engineering, Multimedia, Biology, Etc...)

Microsoft Office

Students are responsible for purchasing Microsoft Office on their own. I will try to get a student discount link to those that need it.

ALL CLASSES

AP COMPUTER SCIENCE PRINCIPLES

Computer must be PC or Macbook (Chromebooks/Tablets will not work)

- Battery must be in good working order
- 8GB RAM

**Computers must be in good condition

**Chrome Browser will be used

Flash Drive - Minimum 16GB

Notebook or Graphing Paper

Pens and pencils

FOUNDATIONS OF ALGEBRA

Graphing Calculator: TI 84 (TI 83 is acceptable)

3 ring binder with notebook paper, graph paper, and dividers

Pencils, highlighter, dry erase markers (for personal use)

Colored pencils are helpful (as required for Biology)

ALGEBRA 1.5 and GEOMETRY

Graphing Calculator: TI 84 (TI 83 is acceptable)

3 ring binder with notebook paper, graph paper, and dividers

Pencils, highlighter, dry erase markers (for personal use)

Colored pencils are helpful (as required for Biology)

AP CALCULUS AB/BC

One 1" or 1 1/2" 3-ring binder with college-ruled notepaper

Graphing paper is helpful, but optional

Calculator: Graphing TI-83, TI-84

DIGITAL MEDIA CLASS

Apple MacBook or equivalent PC

2.3GHz dual-core 7th generation Intel Core i5 processor, Turbo Boost up to 3.6GHZ

Intel Iris Plus Graphics 640

8GB 2133MHz LPDDR3 memory

256GB SSD storage

Two Thunderbolt 3 ports

64+ GB flash drive (used for content transfer or backup)

Optional-SD card reader either in the computer or as an external accessory (used for reading SD cards transferring content from cameras)

College ruled notebook, at least 60 pages

Pens and/or pencils

DE PRECALCULUS/ALGEBRA II

One 1" or 1 1/2" 3-ring binder with college-ruled notebook paper

Graphing paper is helpful, but optional

Calculator: Graphing TI-83 or TI-84

AP STATISTICS

TI-84 or higher graphing calculator

3 ring binder

Loose leaf paper

Pencils

ALL THEOLOGY Classes

NIV Teen Study Bible from Christianbook Distributor

<https://www.christianbook.com/niv-teen-study-bible/9780310745686/pd/745686?event=Books|1002764>

Black Pen

Blue Pen

Composition College Ruled Notebook (100 pages)

PRE-AP ENGLISH CLASSES (Freshman and Sophomore levels)

One spiral notebook

Red pen

Personal pencil sharpener and pencils or two mechanical pencils with extra lead

Two different colored highlighters

A computer with a strong battery and a working charge cord

AP ENGLISH LANGUAGE AND AP ENGLISH LITERATURE (Junior and Senior levels)

One ONE SUBJECT spiral notebook with pockets or one ONE SUBJECT spiral notebook and one pocket folder

One packet college-ruled notebook paper for timed essays

One journal with lined pages

Two packages of 3x5 index cards

Black & red pen

Personal pencil sharpener and pencils or two mechanical pencils with extra lead

Two different colored highlighters

DE AMERICAN LITERATURE (Junior and Senior levels)

One spiral notebook

Pencil or pen

A computer with internet access, a camera, and a microphone

SPANISH (ALL Classes: Novice, Intermediate, Advanced, AP, Spanish Lit)

One 1 ½ - 2" - 3 ring binder
8 dividers tabs
1 Composition Notebook
Pens/pencils (student's choice)

AP US HISTORY:

100 3" x 5" Lined Notecards.
Large 3-ring or D-ring Binder
Dividers
College Ruled Notebook Paper
Standard Blue or Black Ink Pens

AP WORLD HISTORY:

100 3" x 5" Lined notecards.
Large 3 Ring or D Ring Binder
Dividers
College Ruled Notebook Paper
Standard Blue or Black Ink Pens

DE AMERICAN GOVERNMENT

100 3" x 5" Lined notecards.
Large 3-ring binder
Dividers
College Ruled Notebook Paper
Standard Blue or Black Ink Pens

PRE- AP WORLD HISTORY AND GEOGRAPHY

One single subject spiral notebook
One 1.5-inch binder with four tabbed dividers
One package of college ruled notebook paper
One package of lined index cards
Personal pencil sharpener and pencils or two mechanical pencils with extra lead
One ruler
One set of Colored pencils-sharpened

ENTREPRENEURSHIP (101 & 201)

*something to organize your papers (ex. a binder with dividers for this and other classes, or a binder just for this class; pocketed folders not recommended (too many papers))
*blue or black pen
*erasable pencil (with eraser)
*optional: journal/spiral

THEATER

1" 3 ring binder - Black
6 #2 pencils
3 yellow highlighters

VOCAL MUSIC ENSEMBLE

MUST have 1" 3 ring binder - Black
#2 pencils

SPEECH / COMMUNICATION

1' 3 ring binder
5 Divider Tabs
Highlighters
Pens/Pencils

BIOLOGY

*colored pencils (you will need these multiple times)
*something to organize your papers (ex. a binder with dividers for this and other classes, or a binder just for this class; pocketed folders not recommended (too many papers))
*notebook paper (College- or regular-ruled, uncolored)
*metric ruler (can be same as for other classes)
*2 white Poster Boards (needed for projects)
*1 roll paper towels
*blue or black pen
*erasable pencil (with eraser)

AP BIOLOGY

*something to organize your papers (ex. a binder with dividers for this and other classes, or a binder just for this class; pocketed folders not recommended (too many papers))
*notebook paper (College- or regular-ruled, uncolored)
*graphing or scientific calculator (same one from maths, chem, etc.)
*metric ruler (can be same as for other classes)
*roll of paper towels
*blue or black pen
*erasable pencil (with eraser)

CHEMISTRY

Graphing or scientific calculator (the one you use for math is fine)
Metric Ruler
½" or 1" 3-Ring Binder (past papers will be held in classroom)
Roll of paper towels
USB Adaptor if your computer does not have USB

AP CHEMISTRY

Graphing Calculator

3 Ring Binder (1 very, very large OR 1 very small for current unit and 1 larger for storage at home)

Dividers - 10 for 3 Ring Binder

10 Clear Paper Protectors for 3 Ring Binder

USB Adaptor if your computer does not have USB

Roll (or 2) of Paper Towels

AP ENVIRONMENTAL

3-Ring Binder (1")

Metric Ruler

AP PHYSICS

Graphing Calculator

3-Ring Binder (1")

Loose Leaf Paper or Single Subject Notebook (college ruled)

Metric Ruler

CONCEPTUAL PHYSICS

3-Ring Binder (1")

Calculator

USB Adaptor if your computer does not have USB

HUMAN BODY SYSTEMS

Colored pencils, highlighter

White 2" binder with front and back pockets

8 dividers for binder

Scientific calculator (your calculator for math is fine)

VISUAL ARTS:

100-page Sketchbook, 9x12" (1)

Ruler (metric or standard)

Ball point pens, any color (2 each)

PHYSICAL EDUCATION:

Lock for a gym locker

Non-marking fully laced tennis shoes

WORSHIP ARTS:

3-ring binder

In-ear headphones. "Shure SE215", (available to order online at www.guitarcenter.com) are recommended, but iPhone in-ear headphones will work as well.

INTRODUCTION TO ENGINEERING DESIGN

Calculator

Mechanical Pencils

Blue or Black Pens

3 Ring Binder (1")

1 Thumb Drive

USB adaptor if your computer does not have a USB port

PRINCIPLES OF ENGINEERING

Calculator

Blue or Black Pens

Mechanical Pencils

3 Ring Binder (1")