



2023-2024 SCHOOL SUPPLY LIST

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. **However**, we strongly recommend macbooks OR windows machines that meet the minimum specifications (listed below) to ensure compatibility with software required for certain classes.

Browser- Google chrome required for all students.

Antivirus/ malware protection software

All students are required to have active antivirus software installed on their devices.

[Malwarebytes Antivirus](#) recommended as an affordable option.

Minimum Computer Requirements- (Any questions on ordering, please direct them to Luke Vlaar at lvlaar@vchsweb.org)

Apple MacBook Air, or MacBook Pro.

The MacBook fits all specs. The MacBook Air is lighter and has two USB C ports. The MacBook Pro is fully loaded with multiple ports and power. All are great. USB adapter recommended.

Windows Laptops:

All Dell, Lenovo, Acer, Microsoft, ASUS, Alienware, etc... are welcome.

Minimum Specs:

Windows 10/11 (pro version recommended), 128GB Solid state storage, 8 GB Ram minimum (12-16gb recommended), Wifi, Intel Core i5/ Core i7 (10th generation or better) OR AMD Ryzen 5 / Ryzen 7 CPU, 13" Screen or better suggested.

Chromebooks / Ipad-

Chromebooks and iPad's are not recommended as primary devices as they often have compatibility issues with certain software required for some of our science, engineering, and arts classes.

CLASSES

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 and GEOMETRY

Graphing Calculator: TI 84
3 ring binder with notebook paper, graph paper, and dividers
Pencils, highlighter, dry erase markers (for use on classroom and small individual boards)
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 PRE-CALCULUS/ALGEBRA 2

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://a.co/d/59My0fq>

Black Pen
Blue Pen

Composition College Ruled Notebook (100 pages)

PRE-AP ENGLISH CLASSES (Freshman and Sophomore levels)

One spiral notebook

One package of college-ruled notebook paper

Black and blue pens

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

Two different colored highlighters

One package of lined file cards

AP/DE ENGLISH LANGUAGE (Junior levels)

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

Black & blue pens

Two different colored highlighters-yellow

DE AMERICAN LITERATURE (Senior level)

One spiral notebook

Blue and black pens

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

ENGLISH RHETORIC (Junior level)

One spiral notebook

Pencil or pen

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

If audible books are an accommodation or preference, subscription to www.audible.com (through Amazon).

SPANISH - 1, 2 (Ward)

One 1 ½ - 2" - 3 ring binder

8 dividers tabs

1 Composition Notebook

Pens/pencils (student's choice)

SPANISH - 2 (Venz), 3, 4 & AP

One 1 ½ - 2" - 3 ring binder

Loose leaf paper

Pens/pencils (student's choice)

AP US HISTORY:

Large 3-ring binder (2+ inches)

8 binder dividers

Ruled Notebook Paper

Standard Blue or Black Ink Pens

Pencils

Highlighters

AP WORLD HISTORY:

Large 3-ring binder (2+ inches)
8 binder dividers
Ruled Notebook Paper
Standard Blue or Black Ink Pens
Pencils
Highlighters

DE AMERICAN GOVERNMENT

3-ring binder
8 binder dividers
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

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 12-24 count with small sharpener in a zippered pouch
Pencils or pens + white out (student's choice)
One 1 ½ inch 3 ring binder and 3-5 tab dividers
Notebook paper, college ruled
Metric ruler (can be same as for other classes)
Two white Poster Boards (needed for projects)
1 roll paper towels

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)
- *1 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 (sleeves)
- 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

PHYSICS

- 3-Ring Binder (1")
- Pencils
- Notebook paper, college ruled
- Calculator
- USB Adaptor if your computer does not have USB

HUMAN BODY SYSTEMS

- Colored pencils, highlighter
- Pencils or pens + white out (student's choice)
- White** 2" binder with front and back pockets with 8 tab dividers
- Notebook paper, college ruled
- Scientific calculator (your calculator for math is fine)
- Headphones or earbuds

Black Sharpie - fine point

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

Mouse

Several Paper Protectors (sleeves)

AEROSPACE ENGINEERING

Calculator

Blue or Black Pens

Mechanical Pencils

3 Ring Binder ($\frac{1}{2}$ -1")

Several Paper Protectors (sleeves)