

Mount Vernon High School
Home of the Majors

*"Majors achieve and
thrive together with
purpose and pride."*



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Admin and Counselors

(Shift to the Alpha Model)

Admin <i>Administrador</i>	Alpha <i>Asignación por Apellido</i>
Karen Boyd	A-Der
John Shaffer	Des-Lay
Lashonda Reed	Laz-Ram
Gina Brooks	Ran-Z
Adrian Williams	CSS & STEP

New Alpha <i>Nueva Alfa</i>	School Counselor <i>Consejero/a Escolar</i>
A-B	Bryce Green
C - Ev	Niasharee Frater
Ew-Hop	Ericka Jeter
Hoq-Mc	Mary McAlevy
Md-Pie	Camille Moore
Pif-Sli	Melissa Mentzel
Slj-Z	Paul Guillion
CSS & STEP	Karen Mazzocoli
ESOL Level 1 and 2	Catherine Samper

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P.R.I.D.E.	IB Learner Profile	WITHIN OUR SCHOOL
Preparation	<ul style="list-style-type: none"> • Communicators • Inquirers • Knowledgeable • Reflective • Thinkers 	<ul style="list-style-type: none"> • Majors walk with a purpose and; with the goal of arriving to class on-time. • Majors aim to • Majors are available to engage in all aspects of the learning process. • Majors advocate appropriately when they need assistance (academic, behavior, social/emotional). • Majors communicate with teachers and plan in advance for when they are not in class and to follow up on lessons missed.
Respect	<ul style="list-style-type: none"> • Balanced • Caring • Communicators • Principled • Reflective 	<ul style="list-style-type: none"> • Majors use appropriate tone of voice, word choice/language and body language. • Majors are mindful of their environments and conversations. • Majors respect the boundaries and personal space of others. • Majors greet each other and return greetings to others. • Majors follow the expectations set forth by teachers in their classrooms & the SR&R.
Integrity	<ul style="list-style-type: none"> • Balanced • Communicators • Open mindedness • Principled 	<ul style="list-style-type: none"> • Majors are truthful and courageous enough to communicate with staff/peers. • Majors are responsible and accountable for their actions and success. • Majors are mindful of others and respect diverse perspectives. • Majors are aware of their behaviors and how their behaviors can impact others.
Determination	<ul style="list-style-type: none"> • Communicators • Inquirers • Knowledgeable • Risk-Takers 	<ul style="list-style-type: none"> • Majors are committed and present in the moment. • Majors follow through with assigned tasks. • Majors complete tasks to the best of their abilities. • Majors persevere through difficult situations, tasks, conflicts and roadblocks and promptly communicate with teachers/staff for assistance.
Excellence	<ul style="list-style-type: none"> • Balanced • Inquirers • Communicators • Knowledgeable • Reflective • Risk-Takers 	<ul style="list-style-type: none"> • Majors show maximum effort in all that they do. • Majors strive to create balance between school and home and minimize distractions. • Majors self-reflect as they grow and develop into life-long learners. • Majors are able to self-regulate their actions in order to accomplish goals. • Majors are team players and are always willing to lend a hand.



Greetings! I am Mr. Cory Smith

This is my 4th year at MVHS, but it is my 17th year as a teacher overall.

I have had the good fortune of being to teach chemistry every year of my career. This is my favorite subject!

I consider myself a "Professional" nerd and try to imbue my passion for science in my students.



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General Chemistry Curriculum Overview

Chemistry 1 is a Virginia Standards of Learning course. Students will demonstrate an understanding of scientific and engineering practices by planning and carrying out investigations, interpreting, analyzing, and evaluating data, constructing and critiquing conclusions and explanations, obtaining, evaluating, and communicating information.

The curriculum consists of eight units:

- The Atom
- Matter and Periodicity
- Bonding and Molecular Geometry
- Chemical Reactions
- Molar Relationships
- Solutions
- Kinetics and Thermodynamics
- Kinetic Molecular Theory

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Advanced Chemistry for IB Schools Curriculum Overview

This course fulfills the role of the first year of IB Chemistry. We cover similar topics as General Chemistry, but at a more advanced level with higher rigor and expectations.

Participation in our Science Fair is a requirement for all Honors level and IB science classes.

This class will cover the following topics:

- Measurement and Data Processing Topic 11
- Stoichiometry (Standard Level) Topic 1
- Atomic Theory (SL) Topic 2
- Periodicity (SL) Topic 3
- Bonding (SL) Topic 4
- Energetics (SL) Topic 5
- Kinetics (SL) and Equilibrium (SL) Topics 6 and 7
- Acids and Bases (SL) Topic 8
- Oxidation and Reduction (SL) Topics 9

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Recommended Supplies for Class

Everyday supplies:

- Laptop
- Earbuds/headphones that connect to laptop
- Pen/Pencil

Organization is very important to a student's success in this class. While I do post nearly everything digitally in Schoology, I also provide the option for students to have paper copies of guided notes and practice assignments.

To that end, I recommend all students have a binder for my course. A spiral notebook is an option for any student that prefers to take notes by hand.

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Procedures and Routines for the Classroom

I use the Modern Classroom approach in my classes. This is a "self-paced" course that is learner-centered instead of teacher-centered. My students have the freedom to move at their own pace, within reason, during each unit of study in my classes.

Hard deadlines exist, such as quiz and test dates, but between these deadlines if a particular topic is more challenging a student has the freedom to spend more time on it. If a subject is relatively easy for them they can finish quickly and move on to the next!

To facilitate this approach, I create my own lecture videos as opposed to lecturing during class time. I use short Mastery Checks to determine if a student has fully grasped the material so I know they are ready to progress within the unit.

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Attendance

Attendance is vital for student understanding. While my content is posted digitally, when there are challenges or difficulties in the material those are best addressed and cleared up in class with me.

In case of absence, all assignments can be found in Schoology. As long as your assignments are completed within 2 class days of returning no late penalty will be applied.

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