

SCIENCE DEPARTMENT

Muriel Williams Battle High School
Home of the Spartans

SPECIAL PROGRAMS AND EXTRA-CURRICULAR ACTIVITIES

We look to have several programs which are sponsored by the science department to enrich the educational experience beyond that which is available through regular course work.

These choices **could** include:

Science Club

Science Club provides opportunities to participate in many exciting activities related to all areas of science. Numerous field trips, projects, recycling programs, and regular meetings with guest speakers, could be a part of Science Club's activities.

Science Olympiad

Science Olympiad is a regional competition where students compete in a variety of science events such as robotics, environmental scavenger hunts and map reading.

Health Sciences (HOSA)



Pre-enrollment Information
and
Course Offerings

2024-2025

We are looking for students interested in any of these clubs, or that have suggestions for other science related clubs. See one of the teachers if you are interested or have ideas.

WELCOME TO BATTLE!

We hope that as you prepare to pre-register and plan your courses for the coming year, you will carefully consider the choices that are available through the Science department. We plan to build a strong tradition of academic emphasis, and we know that your experiences in the coming years at Battle will be valuable.

THE FACULTY

Currently, 12 teachers comprise the Science Department team. All are fully certified in their areas. We have a wide range of backgrounds and areas of expertise, assorted special interests, and extra-curricular responsibilities.

BIOLOGICAL & PHYSICAL SCIENCES:

Lois Bichler
Blake Shiparski
Kelsey Mescher
Jennifer McDole
Hannah Nandor
Stephanie Coyle
Jordan Rockett
Taylor Tidwell
Thomasas Jernigan-Frye
Marsha Tyson (chair)
Brandon Wagner
Kylie Wilcox-Hibdon



THE CURRICULUM

The curriculum is designed to provide rich learning opportunities for students. All courses include laboratories and activities that reinforce the course objectives. Students may select courses that are best suited to their interests and future educational goals.

Three units of credit (one must be biological and one physical science) are required for graduation. Four units of credit, or more, are recommended for those students intending to enter a four year college.

BIOLOGICAL SCIENCE COURSES:

Biology
Biology Honors
AP Biology
Kinesiology
Human Anatomy & Physiology
Human Anatomy & Physiology Honors
Environmental Science
AP Environmental Science
Microbiology & Disease (1 sem)
Zoology (1 sem)
Forensic Science (1 sem)

PHYSICAL SCIENCE COURSES:

Physics 1
Physics 1 Honors
Chemistry
Chemistry Honors
AP Chemistry
Physics 2
AP Physics 1
Environmental Science
AP Environmental Science
Forensic Science (1 sem)
Meteorology (1 sem)
Geology
Astronomy (Rock Bridge)
Select Career Center courses

Many courses have recommendations. Recommendations are established in order to assist students in choosing courses that maximize their opportunities for success. Talking with a student's current science teacher is a good way to find the right science course to enroll in next year.

BATTLE HIGH SCHOOL MISSION

Battle High School will equip and empower the leaders of tomorrow in the disciplines of academic excellence and social responsibility.



EXAMPLE COURSE SEQUENCES

Below is a table of course offerings available to students. Other options are possible, especially if a student elects to enroll in two science courses in one year. Enrolling in two science courses is encouraged for students who are planning a career in the sciences.

Please refer to your Registration Guide for specific course descriptions and recommendations.

<u>Freshman choices</u>	<u>Junior Choices</u>	<u>Senior Choices</u>
¹ Physics 1	² Chemistry	Physics 2
or	² Chemistry Honors	AP Physics 1
¹ Physics 1 Honors		Chemistry (if not taken)
	<u>Additional Jr. Choices</u>	Chemistry Honors (if not taken)
<u>Sophomore choices</u>	Physics 2	Human Anatomy
¹ Biology	AP Physics 1	Human Anatomy Honors
or	AP Physics 2	AP Chemistry
¹ Biology Honors	Human Anatomy	AP Biology
	Human Anatomy Honors	Kinesiology
	Environmental Science	Environmental Science
	Kinesiology	AP Environmental Science
	AP Environmental Science	Microbiology
	Microbiology	Zoology
	Zoology	Forensic Science
	Forensic Science	Meteorology
	Meteorology	AP Environmental Science
	Geology	Geology

¹ Freshmen and Sophomores are required to enroll in one of these courses. Sophomores may also enroll in a second course such as Chemistry or Physics at the same time.

² Juniors are strongly encouraged to enroll in one of these Chemistry courses so that each student learns some basic Physics, Chemistry and Biology during high school.

We will be happy to help answer your questions about the curriculum and the programs offered at Battle. Please contact Ms. Tyson at 214-3300 ext 38050. You may also send an e-mail to mtyson@cpsk12.org or check out the Battle Science Webpage link on all teachers staff directory.