

My Teaching Philosophy

My philosophy for classroom management is firstly based upon Marzano's theory of a highly engaged class and hands on learning. My secondary level science classroom will be a place for students to tangibly explore the way the world functions through the different disciplines of science. Our classroom will hold the core beliefs of respect, openness, and mindfulness to inspire confidence amongst the students and challenge them to truly wonder at how the world works. I will foster an environment in which students will have the tools to explore new and original ideas, think critically, and independently discover the answers to their questions. My classroom will use Wong's theory of routines and procedures to ensure both daily organization and safety during lab sessions. Lastly, my students will have the power of choice, as suggested by Love and Logic, in order to facilitate their growth in thinking skills and maturity.

I aspire to foster a classroom environment that encourages each student to grow as a whole person and challenge them to deeply wonder at the natural world around them through active inquiry, peer collaboration, proficiency in scientific literacy and research, critical thinking and project based learning. In integrating the learning theories of humanism, social constructivism, and 21st Century skills, I aim to form students as active questioners and critical thinkers in a rapidly changing world. Although not every student I have will continue to a scientific career, I believe that in teaching students how to think like scientists, they will learn how to boldly ask questions without the fear of being wrong, the importance of working collaboratively and integrating different disciplines and ideas, and ultimately find the joy of simply learning.