

Overview

The Senior Project is designed to be the culmination of each student's academic experience in the Math and Science Academy. It is a genuine opportunity for students to merge their various interests, passions, and curiosities with the community, the modern workplace and their academic lives as seniors of MSA. Similarly, the project is a vehicle for seniors to demonstrate autonomy, complexity, and awareness. An education at the Math and Science Academy has many facets, from the basic facts of subject matter, to critical thinking, problem solving, and attaining lifelong learning skills. The Senior Project is a measurement of those lifelong skills that are important to attaining a quality life and a desire for continued learning.

The Three Main Components of the Senior Project

1. Organization and Writing (**Project Proposal**)
2. Use and Application of Technical Skills (**Project**)
3. Oral Presentation/Portfolio (**Presentation/Portfolio**)

The Project Proposal

Each student will develop a project proposal during the senior year. The proposal will include an overview of the project and identify measurable goals. The proposal will identify the area of focus and the purpose of the project and illustrate how the project connects to his/her academics, community service, and/or career. The student must be able to connect his/her proposal to two of these areas.

The Project

The project involves selecting, designing, building, constructing, studying, producing, developing, etc. a product, project, or service connected to the student's interest while connecting it to academics, community service, and/or profession.

The Web Portfolio

A portfolio will be compiled that includes all documentation/research completed while working on the Senior Project. The student will provide an oral recorded presentations about their senior project and post it on the web portfolio.