

Mountain View Outdoor Classroom Vision

Studies show student learning is benefited by enriched *hands-on* learning activities. Students at Mountain View High School have a **chance** to be immersed into a rewarding learning environment that fosters care for the environment and the community. In this environment students will learn about **green** technologies and stewardship for their community.

Mountain View is seeking community partners to help develop student interest in environmental conservation. The purpose of this project is to expose students to the basic ideas of solar power and water conservation. Students will become familiar with solar power topics including electronics, solar panel construction, and position/ tilt of panels to optimize power production. Students will practice all aspects of water conservation, filtration, and water storage. It is important to demonstrate to children how **green** technologies, such as solar power and rainwater reclamation, are viable options in today's society.

The site for this educational opportunity is located in an overgrown wooded plot of land behind Mountain View High School. With the help of the students and the community, we will create an environment which will inspire inquiry and innovative thinking. The vision of this site is to include a pavilion surrounded by interpretive trails that will highlight the native trees and plants of North Idaho.

Mission Statement

The mission of Mountain View High School is to enable learners to develop their individual potential and to acquire the knowledge, skills, and attitudes needed to contribute to a healthy society and a prosperous and sustainable economy.

Core Beliefs

The school is dedicated to the belief that **all students can learn** and are expected to utilize their class time wisely. The teachers are committed to creating a safe environment for all students and expect students to meet the Idaho Achievement Standards.

Mountain View enjoys a heightened **sense of community** that fosters mutual respect among students and teachers.

Strong written and oral communication skills are stressed across the Mountain View Curriculum. Skills taught in Speech and English are complemented and strengthened in all other courses. Special emphasis is placed on content of spoken and written work. Mountain View also offers all course work necessary for graduation. Remedial courses in math, reading, and language skills are available. These courses allow students to gain the knowledge needed for the state standards.

Extended learning beyond the traditional classroom gives students a *hands-on* opportunity for success. We believe **hands-on** extended learning opportunities are crucial to the success of our students in today's society.

How are our programs measured for effectiveness?

1. By practicing water conservation, students will learn long-term energy conservation behaviors. Students will be able:

→To monitor water use to limit waste while optimizing garden production.

2. By participating in activities utilizing wind and solar technology, students will be able:

→To calculate voltage and amperage of a circuit

→ To use a multimeter to measure voltage and amperage

→ To determine the position and tilt angle for the module to produce the highest power output

→ To determine if solar cells are connected in series or parallel

→ To explain how voltage and current affect power

→ To utilize wind and solar power as a viable energy option for various applications

Community Support Possibilities

1. Sponsorship of
 - a. solar cells
 - b. 200 gallon water holding tanks
 - c. Wind Turbine
2. Irrigation system
3. Donations of time and money gratefully accepted.

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MOUNTAIN VIEW ALTERNATIVE SCHOOL Conservation Project



Building a Greener Tomorrow