Mapleton Public Schools

Skyview Campus



Our Mission

The mission of Mapleton Public Schools, a community that embraces its children through high performing schools of choice, is to ensure that each student is empowered to achieve his or her dreams and contribute to his or her community, country and world through an education system distinguished by:

- A resourceful community working together to ensure that no obstacles impede student success
- A tenacious pursuit of rigorous academics and personal development
- An effective, student-focused and compassionate staff
- Small family-like environments where relationships inspire achievement
- Practices that honor the deeply-rooted history and diversity of our community

Welcome to Skyview Main Campus

The Skyview Campus serves as the heart and hub of activity for Mapleton Public Schools. All students (no matter which small-by-design school they choose to attend) are part of a greater community. This open concept campus provides learning spaces, play spaces and gathering spaces for an entire community.

Mapleton students who participate in extracurricular activities, including performing arts and athletics, play as one team. We are the Skyview Wolverines. The Skyview Main Campus is home to the Student Center, which houses the Welcome Center, Air Force Junior ROTC, Athletics Department, gymnasiums, locker rooms, performing arts rooms, strength and conditioning spaces, auditorium and play fields.

The Campus overhaul, which will be completed in January 2013, was made possible through generous community support and a State of Colorado Building Excellent Schools Today (BEST) grant. This \$54 million project provided for two new buildings housing four schools; an addition to the existing building to house a fifth school and a campus library; and new playing fields, amphitheater and landscaping. The State of Colorado grant provided \$34 million in funding while a community-supported bond measure in November 2010 provided the remaining dollars.

Clayton Partnership School & Academy High School

Shared Use Cafeteria

The cafeteria is a large, highly flexible space designed to provide lunch service for both schools, as well as presentation and meeting space during the school day and for meetings after school hours. The cafeteria contains a built-in presentation area. A presentation screen drops down from behind the sound wall (designed to help with echo and acoustics), and there is a built-in sound system with ports to plug in a microphone. Spotlights are also mounted on the walls.

Shared Project Center

Mapleton Public Schools is moving away from the traditional school library on this campus. This Project Center is designed to provide reference materials for both schools to access. Additionally, this is where

Specs

- This building is 74,439 square feet
- It is designed to house 500 students in Clayton Partnership School, a K-8, and 300 students in Academy High School, a 9-12

students will have opportunities to be exposed to new books and author presentations. Students will be exposed to literature in this space and encouraged to check out materials, when necessary, from the public library.

Second Floor Bridge

The bridge on the second floor literally and figuratively bridges the two schools together. Areas leading up to the bridge are filled with flexible furnishings, dry erase boards and collaboration space.

Clayton Partnership School (K-8)

Clayton Partnership School focuses on collaboration with higher education and training future teachers. Students experience community building opportunities throughout the academic day and come together for teambuilding, sharing of successes and academic support.

School model design specifics

- First floor is home to K-3rd graders, second floor is home to 4th-8th graders.
- Interior windows and transparent break-out spaces allow for unobtrusive observation by staff, administrators and future teachers.
- Gathering spaces, tack surface walls and display cases available for continued student collaboration.
- Flexible desk spaces for differentiated learning experiences.
- Bold colors on the carpet and above doorways indicate areas where students should slow down and notice what is happening in this area.

Academy High School (9-12)

As a Science, Technology, Engineering and Math (STEM) school, Academy High School students develop powerful problem-solving and critical thinking skills through engineering and biomedical courses. Classes and learning spaces were designed specifically to inspire inquiry and independent discovery.

School model design specifics

- First floor is home to 9th and 10th graders, second floor is home to 11th and 12th graders.
- Provides areas throughout the school for students to collaborate.
- Walls are covered in tack board to display student work.
- Some walls are covered with dry erase board surfaces to encourage learning in all areas of the school.
- Standing counters, open computer areas, laptop stations and moveable furniture create multi-use spaces for collaboration, small group work or individual study.
- Tables in science labs can be raised or lowered to assist with experiments.

Mapleton Expeditionary School of the Arts & Mapleton Early College

Shared Use Cafeteria

This large space is highly flexible. It is designed to provide not only lunch service for both schools, but presentation and meeting space during the school day and for meetings after school hours. Lunch tables can be easily folded and moved.

Shared Project Center

Mapleton Públic Schools is moving away from the traditional school library on this campus. This Project Center is designed to provide reference materials for both schools to access. Additionally, this is where students will

Specs

- This building is 82,149 square feet
- It is designed to house 375 students in MEC, a 9-13 school and 525 in MESA, a 7-12 school

have opportunities to be exposed to new books and author presentations. Students will be exposed to literature in this space and encouraged to check out materials, when necessary, from the public library.

Second Floor Bridge

The bridge on the second floor literally and figuratively bridges the two schools together. Areas leading up to the bridge are filled with flexible furnishings, dry erase boards and collaboration space.

Mapleton Expeditionary School of the Arts (7-12) Mapleton Expeditionary School of the Arts is a college preparatory school focused on the arts and art integration. Students investigate real-world issues and use what they learn to make positive changes in their community. Inquiry-based expeditions drive student learning.

School model design specifics

- First floor houses 7th-8th graders, second floor houses 9th-10th graders, third floor houses 11th-12th graders
- Every space is a learning space. Hallways have been designed large enough to accommodate full grade levels of students
- Classrooms are specifically designed to support Expeditionary learning through the use of art spaces, presentation areas, and DaVinci Studios (spaces outside of classrooms that encourage group work and collaboration between art, science, math and humanities classes)
- Walls are covered with tack board where push pins can hold up examples of student work.
- Some walls are also covered with dry erase board surfaces which will encourage students to learn throughout the school.

Mapleton Early College (9-13)

Mapleton Early College encourages Big Picture learning in a college-preparatory environment. Students balance classes, independent project-based learning and real-world learning through professional internships. Students have the option to stay an additional year and earn an Associates degree.

School model design specifics

- Round center, or 'heart,' of the school, allows for large group gathering, flexible studies and is visible from all classrooms.
- Partitions and moveable furniture allow learning spaces to be transformed quickly.
- Each classroom can be modified quickly to accommodate different learning styles.
- Areas for independent learning and group study on the second floor.
- Dry erase and tack surface to encourage student display and sharing.

North Valley School for Young Adults & Campus Library

Flexible Space

Mapleton Public Schools offers students ages 17-21 a different pathway to graduation. North Valley School for Young Adults supports students by offering a flexible schedule and a highly personalized learning environment that allows students to keep up with the demands of work and family life while catching up on credits. Students graduate from North Valley with a Mapleton Public Schools high school diploma.

Specs

- This building is 7,000 square feet
- It is designed to house 75 students in North Valley School for Young Adults

The addition provides specific spaces for two distinct entities, however flexibility is a focus. An overhead door connects North Valley School for Young Adults to the library, creating an expansive learning area for presentations and special events. The addition provides room for small group work, breakout areas and individual study, while also creating opportunities for community events and adult education classes. Combined, the addition is a place of learning, experimentation and discovery for students and visitors. North Valley School for Young Adults

CLASSROOM

110

North Valley School for Young Adults is a highly personalized school that allows students to create Personalized Learning Plans based on their existing credits, learning style and skill level. This plan helps each student recover the credits they need to graduate and the skills they need to achieve their dreams. Using a variety of classroom instruction, including college partnerships, online learning and direct teacher instruction, students receive the help and support they need to be successful. Upon graduation, students receive a high school diploma. North Valley does not have a GED program. **School model design specifics**

- Student meeting space for group study, independent study and presentation space.
- A student break room to accommodate needs of students and provide additional space to gather.
- Interior connection to library for expansive learning.
- As an addition, North Valley students feel a direct connection to campus and student life.

Campus Library

Mapleton Public Schools moved away from the traditional school library in favor of a comprehensive campus library designed to meet the needs of Mapleton's PreK-12 students and the community. The library will offer a full range of resources and breakout rooms for students to research, study, and gather for school or community events.

Library design specifics

- Integrated benches into the student meeting space allow for presentations and create areas to study.
- An indoor/outdoor fireplace creates an inviting community-focused space.
- Dedicated library and resource areas for children, teens and adults.
- Resources and technology supports the 21st century learning taking place throughout Mapleton Public Schools and fosters a culture of creativity and innovation.

Skyview Student Center Renovation

In 1964, Mapleton Public Schools broke ground on a brand new high school, Highland High School, to accommodate its rapidly growing student population. Highland High School was considered a 'school of the future' when it was first constructed and served thousands of Highland Hornets, Mapleton Falcons and Skyview Wolverines.

Almost 50 years later, the classroom wing of the original Highland High School is slated for demolition. The area that has come to be known as the Skyview Student Center received necessary renovations and upgrades so the Mapleton community may continue to use the space for another 50 years. In the Skyview Student Center, more than 33,000 square feet of flooring was replaced. Fresh paint, new ceiling tiles and upgraded light fixtures continue to make the building a school of the future. Other upgrades include:

- Fire sprinklers were added throughout the Skyview Student Center where there were none before, increasing life safety.
- The Hower Gymnasium floor was refinished with the new Wolverine logo, the girls and boys locker rooms were reconfigured, and a new Athletics Hall will be designed to honor past, present and future Skyview Wolverines.
- The Rosa Auditorium received several much need upgrades, improving and extending the life of the performance space enjoyed by the entire School District. The stage received new curtains, broken and inefficient lights were replaced with more efficient lighting, a new sound system was installed and new Low VOC tile was added to the foyer.
- Improvements to accessibility to all levels of the building that meet ADA requirements, including a new elevator.

Did you know....

- Wolverine Way is not only the main pathway between all buildings at the Skyview Campus, it is also a fire lane!
- Special consideration was given to make sure the outside of the Skyview Campus is just as efficient and environmentally friendly as the inside of the buildings on the Skyview Campus. Drought-tolerant landscaping, or Xeriscaping, was used to ensure plants growing around the Skyview Campus require minimal water use. Maple trees are also a big part of the Campus landscape.
- Down lights were installed along Wolverine Way to make the pathway welcoming and visible, and to direct light to intended areas, reducing light pollution.



LEED Features

The new buildings at the Skyview Campus were made possible in part by a \$34 million matching grant from the State's Building Excellent Schools Today (BEST) program. This grant requires the buildings be LEED Gold Certified, meaning the buildings are designed to maximize energy, efficiency and learning for all students.

High Efficiency Lighting



Daylighting and artificial lighting were designed to maximize energy efficiency. Building orientation and proper window placement maximizes daylight potential. Artificial lighting efficiency is maximized through the use of vacancy sensors, daylight sensors and automated building controls.

Daylighting



The placement of the buildings at Skyview Campus allows plenty of daylight to pour into the space. Ceilings are slanted in order to bounce the natural daylight into the darkest parts of the classroom. The overhead lights only turn on when there is not enough daylight in the classroom. Classrooms are also painted white to improve the rooms' ability to harness daylight. Low Volatile Organic Compounds Interior finishes, such as the flooring, were installed using low-VOC adhesives. In addition, paints, sealants, carpeting, and composite wood products were selected to minimize harmful effects to the people in the building.

Sunshades

Sunshades are mounted on south facing exterior windows to prevent glare from direct sunlight.

Mechanical Systems

Variable Refrigerant Flow heating and cooling systems allow simultaneous heating and cooling throughout the building. VRF can swap hot air from one part of a building that is too warm and transfer it to another part of the building that is too cold (and vice versa).

Solar Tubes

Solar Tubes provide natural light through a tube that is 99.7% reflective. Only 0.3% of light is lost at each bounce with 99.7% of the light continuing on its path to the room below.

Heating and Cooling Fans

The larger than usual ceiling fans located in the cafeteria serve two functions. In the winter the fans will take down the warm air that has risen to the ceiling and bring it back down to where the students and staff are using the space. In the summer the fans provide a cooling effect by increasing the rate that perspiration is evaporated from the skin's surface. These ceiling fans provide an energy savings of up to 30%.

CO2 Sensors

The carbon dioxide sensors measure the CO2 levels created by the number of occupants in any particular room. Fresh air coming into the space will either increase or decrease depending on the current CO2 levels.

Construction Waste

During construction at the Skyview Campus, approximately 85% of the building debris from both buildings was recycled. This amounted to 1,838 tons of concrete, metal, wood, gypsum board, and cardboard that were kept out of the landfill.

Recycled and Regional Content

The floor, wall and ceiling materials installed contain preconsumer and/or post-consumer recycled content, which contributed to the LEED credit. Special efforts were made to purchase products within a 500-mile radius of the project site to minimize the environmental impact that comes from transporting materials long distances.

Water Efficiency

Pint flow urinals, high efficiency flush valves, and sensor faucets create a 40% water savings.

Sustainable Site

Site Selection - Location affects the sustainability of a building and its site based on several factors, such as the environmental report (clean vs. contaminated soil), distance in miles the site is to residences and other public use buildings and whether or not mass transportation is nearby. *Joint Use of Facility* - By creating a building that allows for flexible use of space, we are eliminating the need for singleuse buildings and enhancing land conservation. Extending learning beyond the classroom, the paver system on the roof provides utilization of this outdoor space by teachers and students. Outdoor settings allow for other kinds of learning that could not normally take place indoors. This space is excellent for large projects, horticulture, exposure to natural light and is a fresh environment for learning.

Mapleton Public Schools would like to thank

Colorado Department of Education

The Division of Public School Capital Construction Assistance and the

Building Excellent Schools Today Grant Program

The Neenan Company

Yes for Mapleton Campaign and Volunteers

Mapleton Families and Community



To learn more about Mapleton Public Schools please visit www.mapleton.us or contact our Communications Department, communications@mapleton.us, or call 303.853.1000.