

PARADISE ELEMENTARY SCHOOL

Now...



- Groundbreaking for the new Paradise Elementary School was held on June 28, 2007. Paradise Elementary School opened on January 7, 2009.
- The new building is 91,000 square feet and houses 63 staff members and 376 students in grades K-5.
- Paradise Elementary is energy-efficient, uses natural resources in an efficient manner, and is operated and maintained in an environmentally friendly fashion. Non-toxic options for finishes, materials, cleaning supplies, pest management, and grounds maintenance were also utilized.
- The Leadership in Energy and Environmental Design (LEED) for Schools is the recognized third-party standard for high-performance schools that are healthy for students, comfortable for teachers, and cost-effective. Pequea Valley hopes to obtain a Gold Certification Level from LEED.
- The geothermal mechanical system used for heat and air conditioning is made up of 110 wells. The decreased use in fuel oil is equivalent to saving approximately 39,271 trees.
- The white roof on the school minimizes the heat island effect, allowing sunlight to reflect off of the roof helping to decrease our heating and air conditioning costs.
- 75% of construction debris was recycled or salvaged, diverting it from disposal in landfills and incinerators. Clean fill was diverted from landfills to the Lancaster County Airport where it was used for a runway extension.
- The building orientation on the north/south axis allows for optimal day lighting. This reduces the need for electric lighting and can balance the heat gain and loss in the school.
- The combination of building orientation, window location, day lighting, and mechanical systems will result in an energy savings of 42% when compared to a typical school of similar size.
- Waterless urinals, low-flow toilets and faucets, high efficiency fixtures, and recycled storm water for toilet flushing contribute to a water-use reduction of 30%.

