

## Waldorf School

1,792 Sq. Ft. Smart Academic  
Green Environment (SAGE)  
Classroom

Located in Corvallis, OR



Time to Complete: 5 days from delivery to occupancy

### Project Overview:

This Smart Academic Green Environment (SAGE) was purchased to accommodate the Waldorf School's increasing elementary enrollment. A total of three SAGE classrooms were installed for the 2014-2015 school year.

The SAGE interior features an energy-efficient ERV (energy recovery ventilator) mechanical system, low velocity fans, vaulted ceiling height and continuous dimming luminary lighting. The interior also features BIOPCM Phase Change Material in the walls that act as a thermal mass to stabilize indoor temperatures. Three solar powered sun coolers to eliminate the need for air conditioning. The building was also designed to be LEED certifiable. Exterior features incorporate a modern architectural look with large overhangs to protect the building and Hardie reveal siding. The clerestory windows and two skylights per classroom allow the buildings to be sited to take advantage of the most natural daylighting reducing the amount of energy used on interior lights.

### Highlights:

- Solar powered sun coolers
- More and bigger windows
- High quality, environmentally safe building materials
- Increased life cycle and lower maintenance cost
- 50-60 year lifespan
- Climate resistant siding



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