



# Wooster Elementary School

Wooster, Arkansas

## Entire School/Campus Building

NEW CONSTRUCTION

### JACKSON BROWN KING ARCHITECTS, INC.

12921 Cantrell Road, Suite 201  
Little Rock, AR 72223  
www.jacksonbrownking.com  
Randall Palculict, AIA, LEED AP  
501/664-8700

### DESIGN TEAM

Crafton Tull Sparks & Associates,  
Landscape Architect  
Dayco Construction,  
General Contractor  
Engineering Consultants,  
Structural Engineer  
Innovative Solutions Group,  
Mechanical and Plumbing Engineer  
Lucas, Merriott & Associates,  
Electrical Engineer  
Mehlburger Firm,  
Civil Engineer

### OWNER/CLIENT

Greenbrier Public Schools  
Greenbrier, AR  
Scott Spainhour,  
Superintendent  
501/679-4808

### KEY STATS

**Grades Served:** K-5  
**Capacity:** 474 students  
**Size of Site:** 17.9 acres  
**Building Area:** 64,259 square feet  
**Space per Student:** 136 square feet  
**Cost per Student:** \$20,458  
**Square Foot Cost:** \$151  
**Construction Cost:** \$9.7 million  
**Total Project Cost:** \$11.2 million  
**Contract Date:** May 2007  
**Completed:** Sept. 2008  
**Completion:** 100%

PHOTOGRAPHY: KEN WEST PHOTOGRAPHY



Wooster Elementary, the first school in Arkansas to achieve a LEED for Schools Silver certification, was designed to educate in sustainability while lowering facility costs for the district. To achieve this, the traditional learning spaces were equipped with unique features such as an outdoor classroom and exposed building systems as well as cutting-edge technology to lower energy costs.

In pursuing LEED, the

design team used many strategies to help reduce the impact on the environment and operational cost. Each room has a carbon dioxide sensor to provide a healthy exchange of fresh air based on occupant need instead of square footage. The lighting system maintains consistent light levels on work surfaces by supplementing the natural daylight in the spaces. During peak sunlight, the amount of energy consumed by the fixtures is greatly reduced.

The use of sustainable materials and native vegetation on site also work to reduce the maintenance needed for the facility.

The students have passed on the green spirit of their school's design to the surrounding population by taking home what they learn about green building. Wooster Elementary is now the recycling center for the community and an education center for students and parents alike. ■