

## Schools

# ArcSine Engineering

ArcSine Engineering has experience in the design of power distribution, lighting, and peripheral systems for schools. Most of the projects listed below include electrical design for buildings, and may include detailed design of both indoor and outdoor lighting.

Computer switching power supplies, electronics, modern lighting, and adjustable-speed HVAC drive systems introduce undesirable power distortions. Arcsine's designs provide appropriate provisions to minimize effects on sensitive equipment, including computers and audio/visual systems.

ArcSine's lighting designs fully address functional & aesthetic concerns. We make use of both zonal capacity and point-to-point lighting design methods, and we use computer-based lighting programs. We evaluate new and existing lighting systems based on initial cost and long-term energy cost.

ArcSine is skilled at meeting the requirements of administrators and end-users, the Fire Marshall, building departments, power companies, the Department of the State Architect (DSA), and other agencies having jurisdiction.

Following are examples of ArcSine's school projects:

- Sequoia Middle School
- Enterprise High School Technology Complex
- Shasta High School Science Laboratory
- Central Valley High School Athletic Field
- Central Valley High School Modernization
- Yreka High School
- Sapp Hall, Chico State University
- Colusa Hall, Chico State University
- Corning Middle School
- Cascade School
- Cedar Creek School
- Shasta College
- Monarch School
- Toyon School



Sapp Hall,  
Chico State University



Shasta High School Science Laboratory