

V. SUE CLEVELAND HIGH SCHOOL, RIO RANCHO, NM

Rio Rancho Public Schools wanted a new high school that would be a hallmark of environmental responsibility. To deliver on this vision for the \$115 million building, the design team used LEED® Gold Certification principles, including glare-free natural daylighting through a east/west main axis campus orientation and extensive use of north/south exterior daylight, interior glass and transparency strategies. The narrow footprint along this axis takes advantage of the natural aesthetics/views of the site and of solar energy and daylight, and minimized development cost on a steep sloping site. Other sustainable features and teaching opportunities include the use of low water-use landscape and plumbing fixtures, drip irrigation, reduced heat island effect, rainwater collection, improved indoor air quality, recycling, reduced energy consumption through geothermal heating and cooling that incorporated 640-305 foot deep wells, heat recovery, high performance glazing, automated light controls, and exterior solar shading.



An Innovative Approach for Your Innovative High School

Our design approach brings the entire community together to shape the future of Falls Church. We use the latest collaboration tools to explore solutions, maximize value and realize your vision. Our process is tried and true, and brings lessons learned from our current successful collaboration on the \$135 million Coolidge Senior High School modernization.

HACKATHONS

Periodic stakeholder charrettes to address key elements of the design



VISIONING

Collaborative sessions exploring best practices throughout the country



STUDENT INTERNSHIPS

Student involvement to turn the design process into a project-based learning opportunity



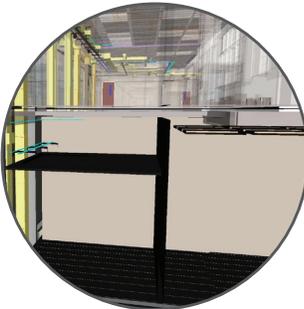
VIRTUAL REALITY

Virtual reality tools to explore the design with you in real time



3D QUALITY CONTROL

Multi-disciplinary coordination meetings using visualization to maximize quality control



REVIT 360

The latest in Revit coordination software to allow all design team members to work seamlessly with one another



EDUCATIONAL COMMISSIONING

Collaboration with your administrators and teachers at the end of the project to make sure the building is being used as intended

