

Hello Steve

It was great seeing King High's new Lightweight Electric Vehicle Design Lab/Electrathon Workshop. It is really a great space with super potential to meet your EV and computer controlled electric propulsion system program needs! Plenty of floor space, double door access and 2 separate rooms adjacent to a large assembly and fabrication area, Wow! Double Wow!

Some Recommendations:

I would suggest using one of the separate rooms for housing the drill press, grinder and compound miter saw, air compressor, other power tool devices and a pegboard based tool store. I would use the other room to house an electronics and programmable logic workbench, a computer workstation hosted oscilloscope and electronic components/sub assembly parts storage. In the assembly and fabrication area, the fenced open area, I would house a material storage bin/shelves for storage of sheet and tube materials. Overhead wheel hooks, and a large lockable storage cabinet. I would also have a large tabletop workspace for electrathon assembly. Other suggested accoutrements for the open area should include a meeting table and chairs, a whiteboard, wireless network access point, improved lighting (add at least 4ea 8' 2 tube F96T12 cold temperature fluorescent fixtures ea 220Watts/fixture, additional power wall outlets and retractable ceiling power outlets and a security system.

As to the cost of the electrical, security and network connectivity upgrades I estimate it at about \$1200 to \$1500 materials wise. I will do the electrical design, supervise the electrical, security and network connectivity upgrades and will do the coordination with the District's Maintenance and Security Departments . Let's rock, February 14 is not far off.

Cc Carla Bruning, Principal  
Gary Strout, City of Tampa  
Jessica Kapp, Physics Teacher