



## EDUCATIONAL SYSTEMS PLANNING

# Baltimore Design School Charter Middle/High School

Educational Systems Planning (ESP) recently provided technology planning and communications infrastructure design for the Baltimore Design School. The adaptive reuse of an abandoned 1915 historic factory building serves as a new Baltimore City transformational middle and high school. The 120,000 SF renovation opened in August 2013 and serves the school's fashion, architecture and graphic design programs. Baltimore Design School opened in the fall of 2011 in a temporary building with grades 6/7 so and by 2016 we will be a full 6-12 school. The historic nature of the school requires innovative technology infrastructure pathways which don't allow surface mounted raceway, communications outlets on exterior brick walls, and requires more extensive use of wireless technology.

The design focuses on creating a collaborative and progressive educational environment in which technology is integrated into teaching and learning. In all three design areas students produce small scale conceptual models, plans, elevations, sections, axonometric and perspective drawings. Students translate hand drawings to computer-aided drawing. Internships with architecture firms complete the process as students work in the professional world.

### **Client:**

*Baltimore City Public Schools  
Seawall Development Corp.  
Ziger/Snead Architects*

### **Location:**

*Baltimore, MD*

### **Services:**

*Technology Planning & IT  
Design*

### **Relevant Facts:**

- *Design program including:*
  - *Architectural*
  - *Fashion*
  - *Graphic and media*
- *Collaborative instructional environment*
- *Advanced classroom technology*
- *120,000 sf adaptive reuse of 1915 factory*
- *\$17,500,000 CCE*
- *Wired and wireless LAN infrastructure*

ESP designed a school-wide computer network to be an implementation of 10/100/1000 BASE-T Cat 6 UTP Fast Ethernet and 1000 BASE-LX over a multimode fiber backbone. The system includes the associated infrastructure that implements a school-wide wireless, auxiliary sound, telephone and security systems.

Classroom AV systems include a combination of content origination sources, input sources and display devices to provide a rich multimedia experience within the classroom and studio environment. The system is integrated with other classroom equipment such as the LCD projector, laptop, DVD, telephone and data networks.

