

# 2012 Exhibition of School Planning and Architecture

## Advanced Technology Center

Blue Ridge Community College  
New Construction  
Project of Distinction  
Moseley Architects

# Advanced Technology Center



## 2 Story Entry Lobby

### Community Environment

With a commitment to the values of access, opportunity, student success, and excellence, the mission of Blue Ridge Community College is to deliver world-teaching, learning, and workforce development to ensure that the central Shenandoah region have an educated population and globally competitive workforce. Its comprehensive program of instruction includes associate degrees, diplomas, and certificates in occupational/technical and college/university transfer programs. The College also provides non-credit workforce training and special interest classes for individuals, and community businesses and industries. The Advanced Technology Center demonstrates the



## 2 Story Atrium

### Community Environment *(Continued)*

benefits of a partnership between the local community and the Virginia Community College System. Fostering the partnership between the community and public institutions required a collaborative planning process in order to break down the traditional institutional boundaries and reconcile the diverse interests of the stake holders.



# Entry Vestibule from Terrace

## Learning Environment

The organization of the building into interdisciplinary technology clusters encourages collaboration and resource sharing between users and educational and community partners. Collaborative opportunities include, synchronization of high school and community college schedules, co-habitation of high school and community college students in the same curriculum, and the sharing of faculty. The facility consists of instructional labs for physics, manufacturing, drafting, engineering, electronics and computer repair, associated prep rooms, large format classrooms and faculty offices.



# Study Lounge

## Learning Environment *(Continued)*

The labs 'showcase' high tech equipment and machinery and integrate instructional technology to create stimulating state of the art learning environment.



# Automated Manufacturing Lab

## Physical Environment

The new light filled Advanced Technology Center is a two story, 22,100 square foot building. In addition to the instructional spaces, the facility features a modest entry plaza, a two story lobby with views to the quad, a mezzanine level informal student study area, and a two story linear atrium with skylights. The project terminates the western end of the campus commons master plan and new pedestrian bridge, anchoring itself between the Robert E. Plecker Building and the recently completed Humanities building. The main entry façade to the facility will serve as this east west visual campus terminus, and creates a transparent, concave façade to reveal activities within the building.



# Physics Lab

## Physical Environment *(Continued)*

The compact, two story footprint of the building accommodates the available site area, while similarly minimizing exterior envelope and thereby contributing to energy conservation. The façade will also incorporate shading devices and light shelves. The building materials reflect the traditional brick architecture on campus, but express a sense of technology and the research that is housed in the building. The facility is pursuing LEED Gold certification.



# Machining and Fabrications Lab

## Planning Process

Creating effective partnerships between public intuitions and local community requires collaborative planning process in order to realize the full potential of the project. The building committee mandated that the project showcase not only the college's investment informational technology and lab equipment but to create a stimulating environment that created collaborative learning opportunities for the various curricula.



# Main Entry and Terrace

## Planning Process *(Continued)*

The end result is a building that reveals itself from the 'outside' to the 'inside'. The instructional lab spaces and classroom spaces all front and open up to the light filled 2 story circulation spine .....promoting a sense of social connection and intellectual curiosity.



# Exhibition of School Planning and Architecture

## Project Data

Submitting Firm :	Moseley Architects
Project Role	Design Architect
Project Contact	George Nasis
Title	Vice President
Address	780 Lynnhaven Parkway Suite 200
City, State or Province, Country	Virginia Beach, VA 23456
Phone	757.368.2800

Joint Partner Firm:	
Project Role	
Project Contact	
Title	
Address	
City, State or Province, Country	
Phone	

Other Firm:	
Project Role	
Project Contact	
Title	
Address	
City, State or Province, Country	
Phone	

Construction Firm:	MB Contractors
Project Role	General Contractor
Project Contact	Jed Hammer
Title	CEO
Address	3825 Blue Ridge Drive
City, State or Province, Country	Roanoke, VA 24018
Phone	540.342.6758

# Exhibition of School Planning and Architecture

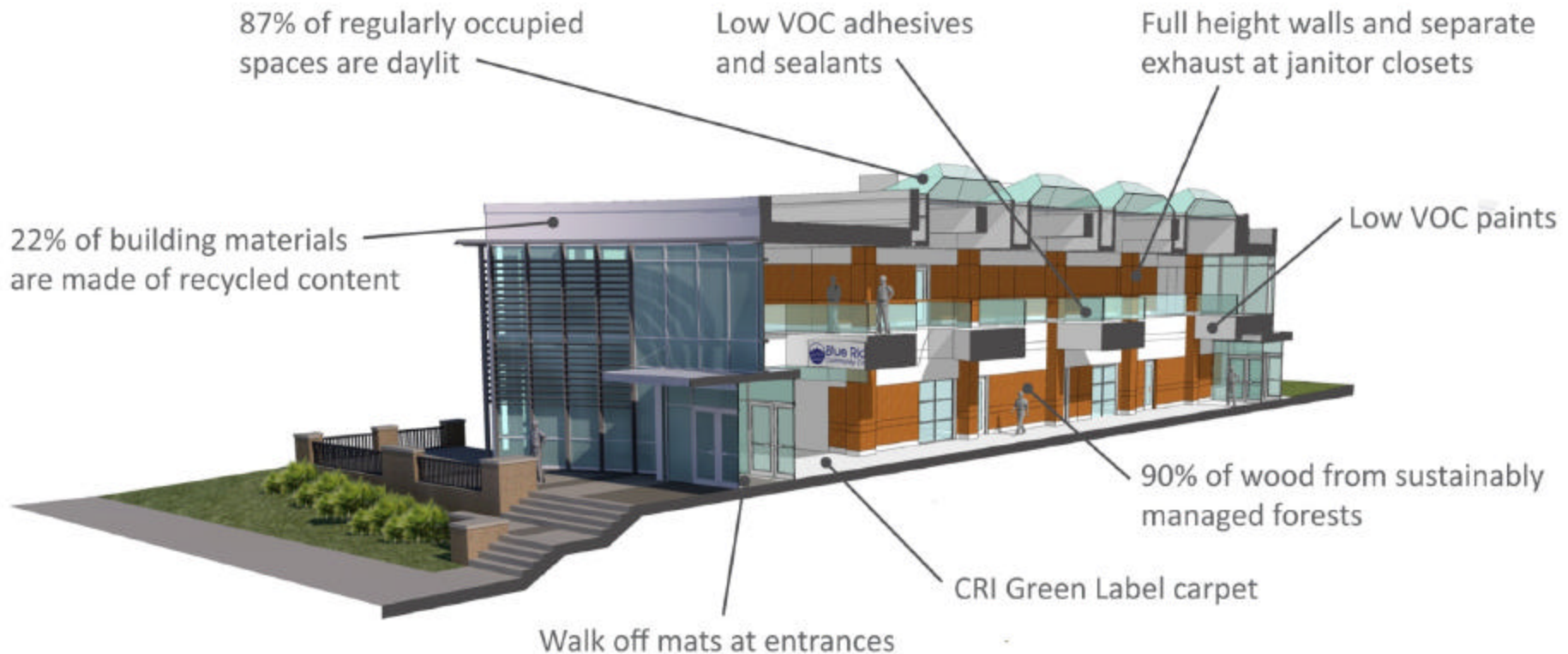
## Project Details

<b>Project Name</b>	Advanced Technology Center
<b>City</b>	Weyers Cave
<b>State</b>	VA
<b>District Name</b>	
<b>Supt/President</b>	John Downey
<b>Occupancy Date</b>	March 2011
<b>Grades Housed</b>	Junior College
<b>Capacity(Students)</b>	368
<b>Site Size (acres)</b>	1.25
<b>Gross Area (sq. ft.)</b>	22,100
<b>Per Occupant(pupil)</b>	60.05
<b>gross/net please indicate</b>	22,100 / 12,099
<b>Design and Build?</b>	No
<b>If yes, Total Cost:</b>	
<b>Includes:</b>	
<b>If no,</b>	
<b>Site Development:</b>	\$200,000
<b>Building Construction:</b>	\$4,757,338
<b>Fixed Equipment:</b>	\$132,833
<b>Other:</b>	
<b>Total:</b>	\$5,090,171

# Sustainability



# Sustainability



# Perspective View from North

