

2016 Exhibition of School Planning and Architecture

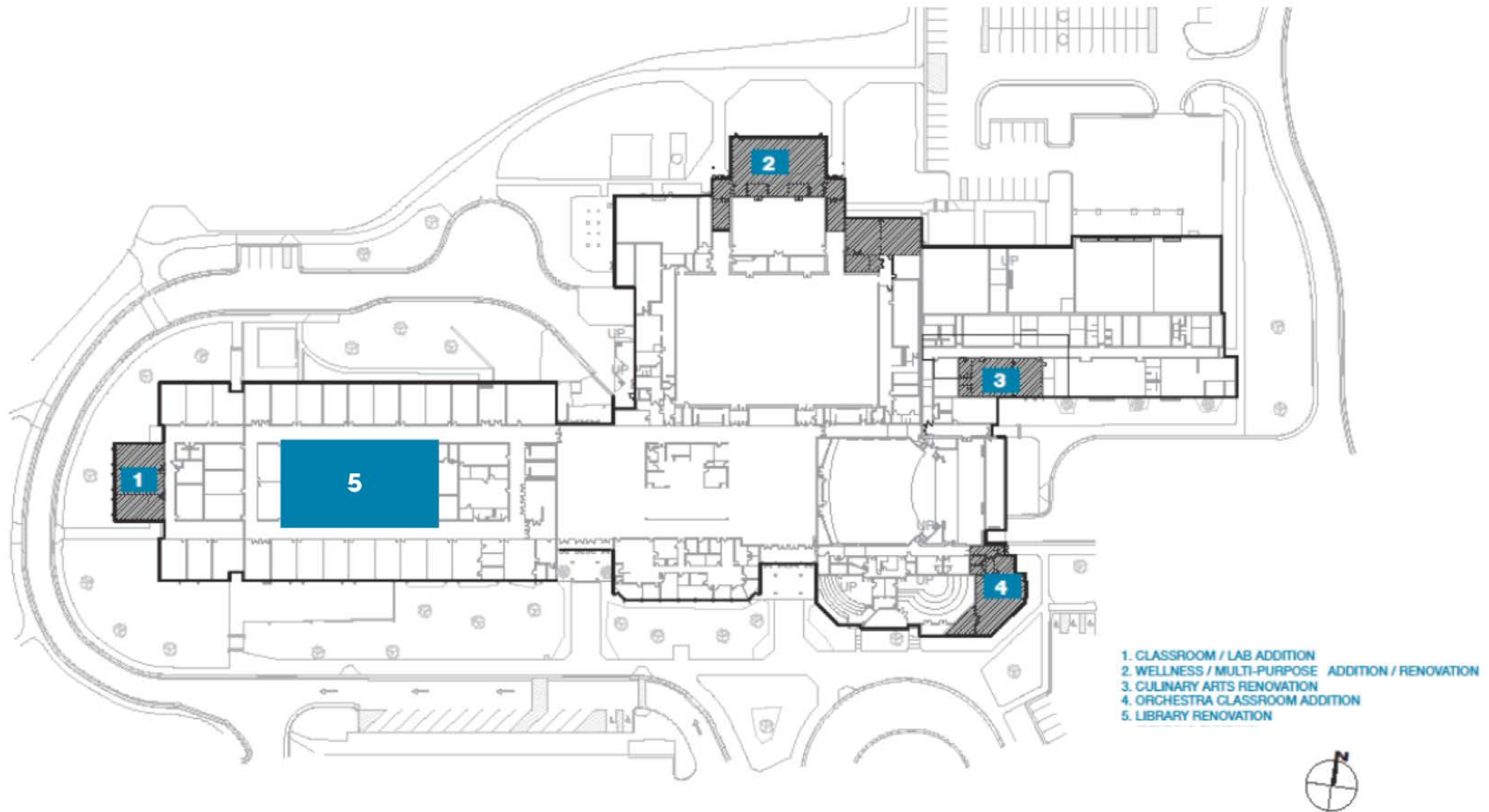
Brooke Point High School

Category: Renovation

Stafford County Public Schools

Stafford, Virginia

Brooke Point High School



The Place to Be

Community Environment: The library at Brooke Point High School was underutilized and lacked technology. We worked with the faculty to design a library for today's technology and collaborative learning that is able to adapt for tomorrow.

After construction was completed, the number of students visiting the library before school rose from about 10 to 150 daily. This influx of students has demonstrated how easily the new library has been adopted amongst the greatest target audience. This new-found love of the library by the students in Stafford County provides a unique environment that makes learning fun and exciting. The school's information hub is now the "place to be".

BEFORE – Overall, View 1



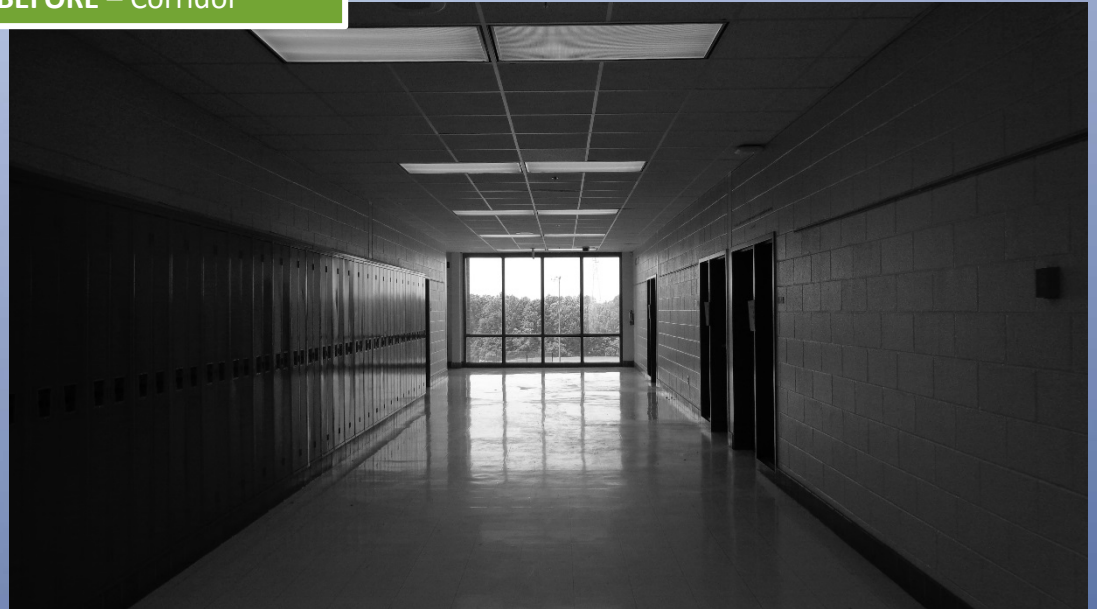
AFTER – Overall, View 1



Let There Be Light!

Community Environment: With low ceilings, cinderblock walls, and no windows, the Brooke Point High School library was a dimly lit space rarely frequented by students. To create an open environment with good lighting and visibility, we eliminated CMU walls and added storefront around the library's exterior. The boxes slightly protrude into the corridor connecting the library with the rest of the school.

BEFORE – Corridor

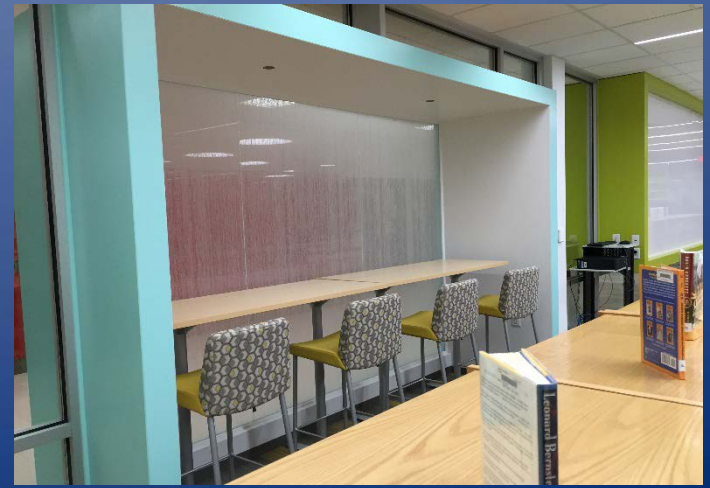


AFTER – Corridor



See and Be Seen

Learning Environment: The library now has some indirect natural light coming in through the corridors and unique lighting fixtures that brighten the space. Though the glass walls achieved many goals, they limited our ability to create an instructional area. This challenge led to one of the most prominent features of the design: brightly colored boxes along the storefront system, creating semi-private zones for students. Some of these boxes appear to be “floating” with whiteboard and projection and others create semi-private zones for students.



One Space, Many Functions

Learning Environment: It was a challenge to fit teaching areas, collaboration spaces, charging stations, computer stations, a maker lab, testing rooms, and the required number of books. The solution? Layering functions. The maker lab was given blinds to double as a testing room, the teaching areas are also used for collaboration, and the computer lab functions as a classroom.



Comfort For All

Physical Environment - Finishes were used to make the space “fun” and “exciting” for the students and teachers. The library was rarely frequented before the renovation so the client’s number one goal was to make the space functional and attractive to the high school students. A warm wood ceiling, bright colors, and the integration of technology updated this library.

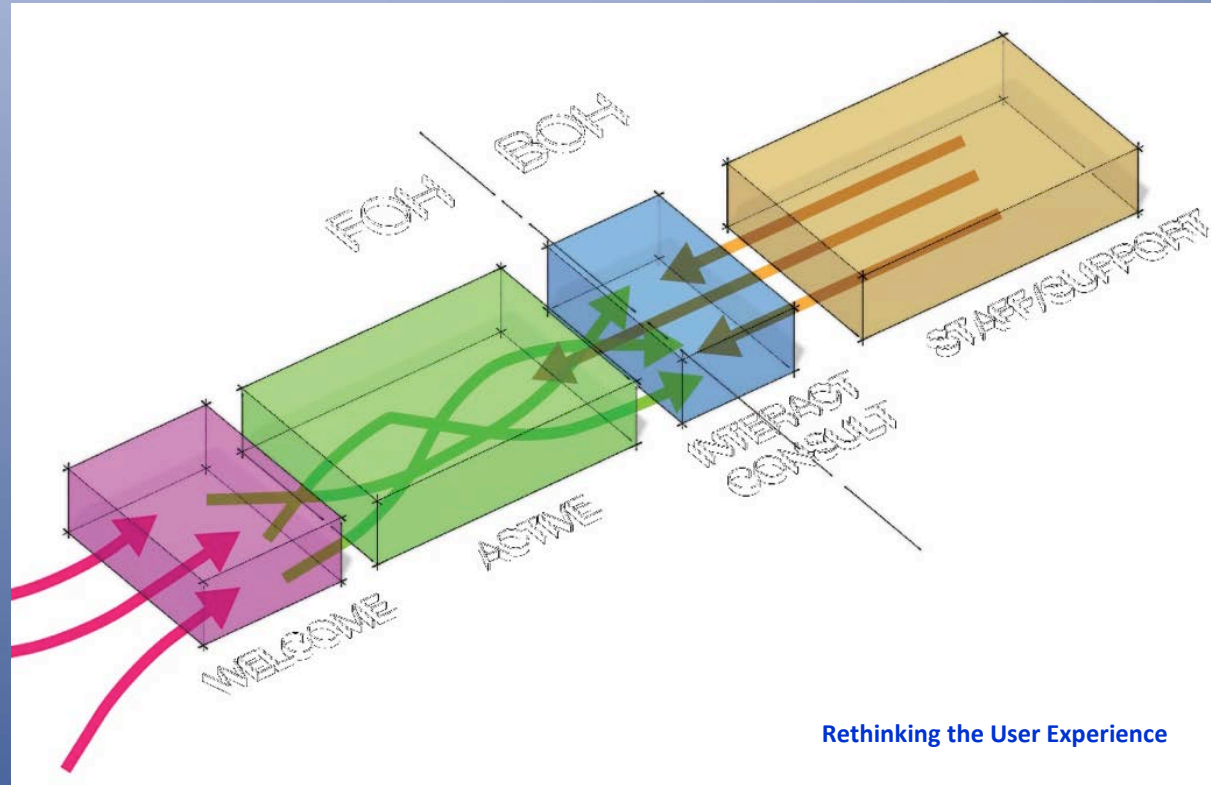
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Going Outside Comfort Zones

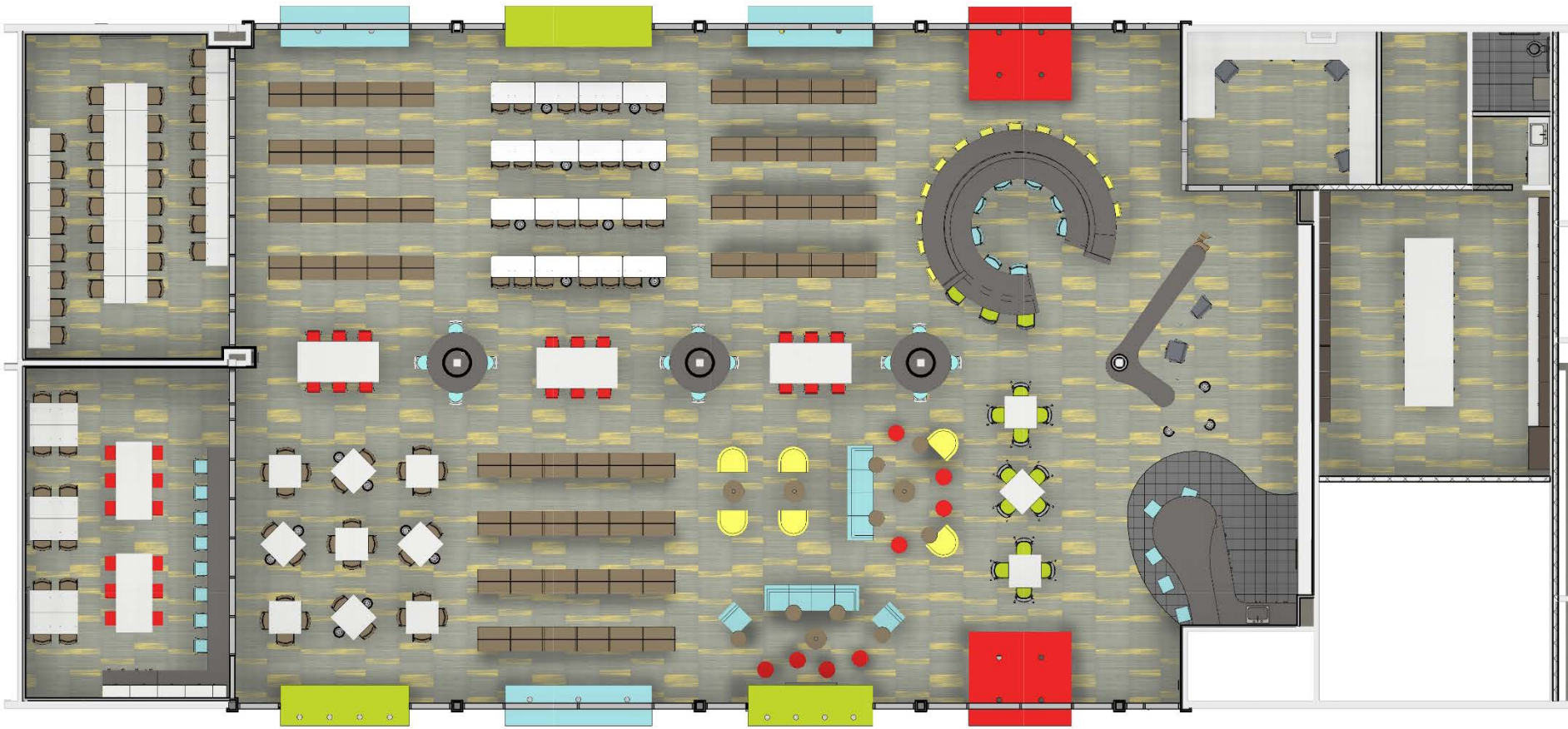
Planning Process: Our planning process began with a mutual goal between the client and the architect centered around the student. The aim to make a fun, bright, and exciting environment where students actually desired to go was the driving force. Through “on-site” design meetings we created immediate momentum and on-the-spot decision-making.

Listening was priority during planning. The architect strove to implement client comments to achieve what they envisioned while encouraging stepping out of comfort zones to reach a better design for learning.



Rethinking the User Experience

Floor plan



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Project Data

Submitting Firm :	Stantec Architecture
Project Role	Architect
Project Contact	Jessica Matase
Title	Senior Marketing Coordinator
Address	11415 Isaac Newton Square
City, State or Province, Country	Reston, Virginia
Phone	571-521-7548

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

Construction Firm:	Sorensen Gross Company
Project Role	Contractor
Project Contact	Ned Zeitouni
Title	Project Manager
Address	229900 Shaw Road, Suite 105
City, State or Province, Country	Sterling, Virginia
Phone	571-313-0395

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Project Details

Project Name	Brooke Point High School
City	Stafford
State	Virginia
District Name	Stafford County Public Schools
Supt/President	Dr. Bruce Benson
Occupancy Date	11/2015
Grades Housed	9-12
Capacity(Students)	115
Site Size (acres)	n/a
Gross Area (sq. ft.)	5,700 SF
Per Occupant(pupil)	\$7,742
gross/net please indicate	50 NSF/student
Design and Build?	No
If yes, Total Cost:	
Includes:	
If no,	
Site Development:	n/a
Building Construction:	\$1,200,000
Fixed Equipment:	n/a
Other:	\$225,999 (Design Fee including consultants)
Total:	\$1,200,000

Supporting/Supplemental files/Images

Student Reactions...

