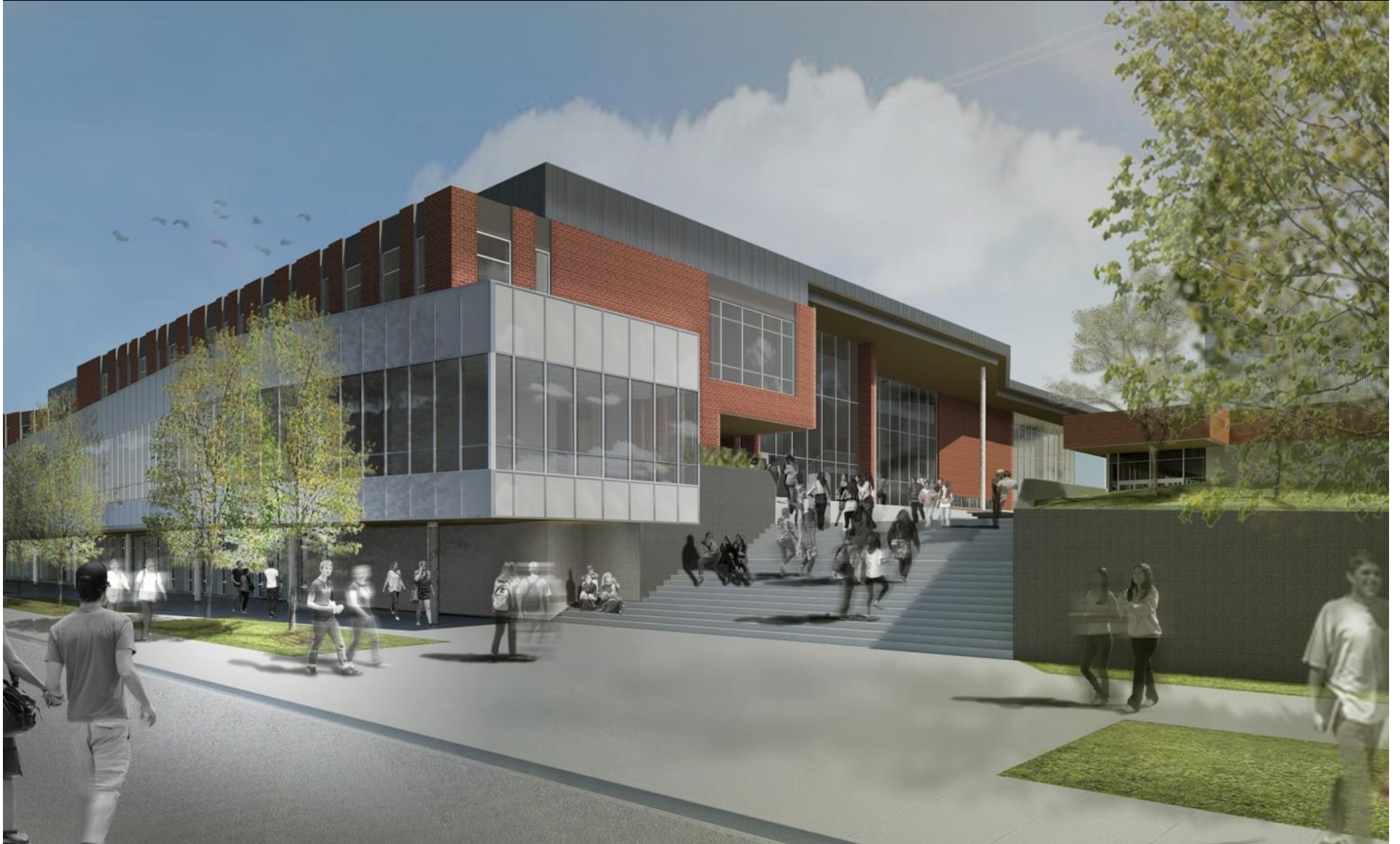


# 2013 Exhibition of School Planning and Architecture

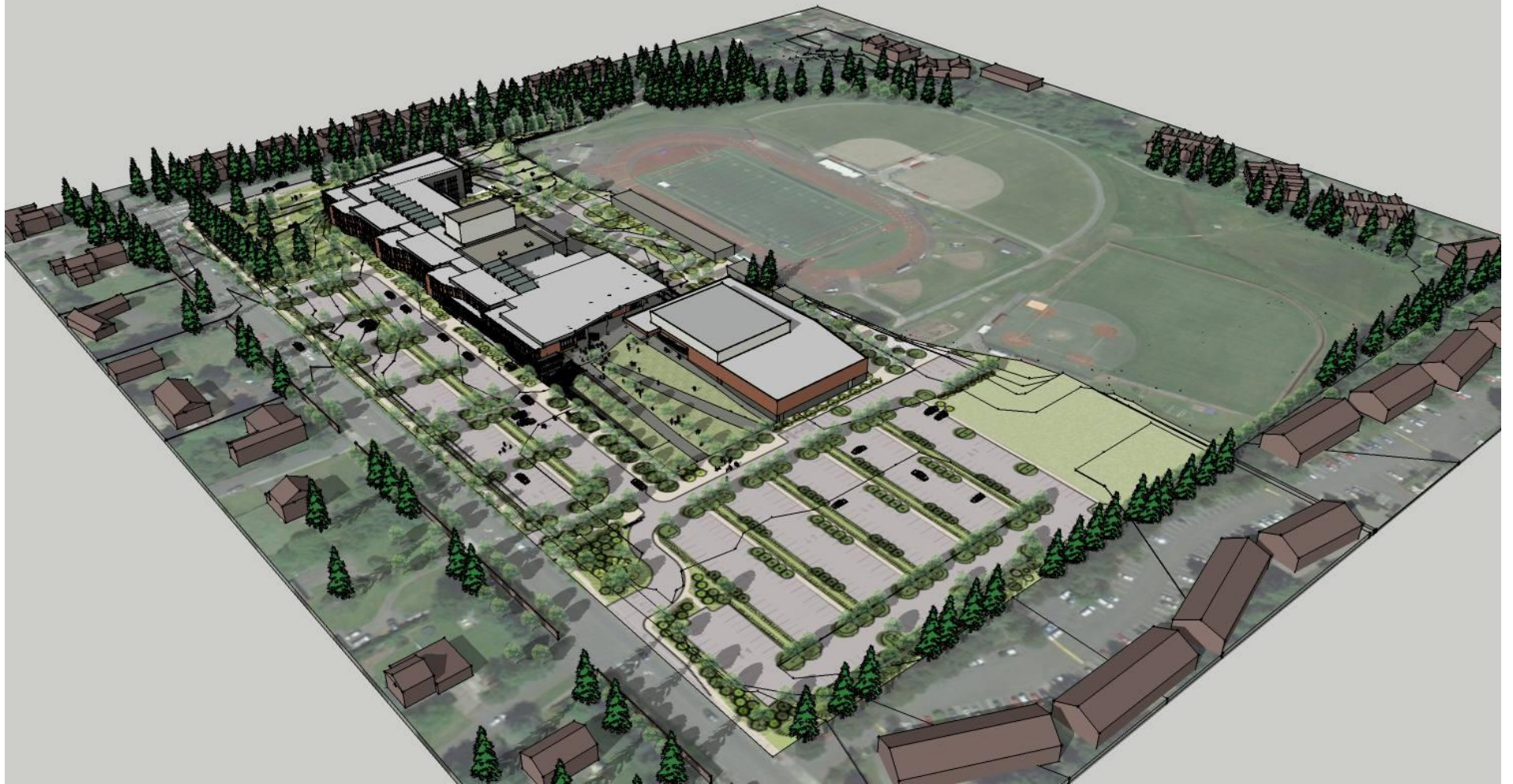
## Sammamish High School

Bellevue, Washington

# Sammamish High School



# Sammamish High School







### *The Great Lawn*

#### **Community Environment:**

The sloped Great Lawn establishes the second level as the primary datum, creating continuity of space between levels as well as between internal learning

spaces and exterior community space.





### *Study commons/library*

#### **Community Environment:**

The community focus on learning is realized in the Study Commons, which accommodates a broad range of learning and social activities and places learning at

the heart of the school. The 3-story atrium overcomes segregation by floor and supports the



**Learning Environment:**

The Study Commons establishes visual and physical connections between all 3 floors and overcomes

traditional boundaries between socialization and

learning. A moveable wall allows the library to open into the Study Commons, further eroding traditional boundaries and emphasizing the role of learning in





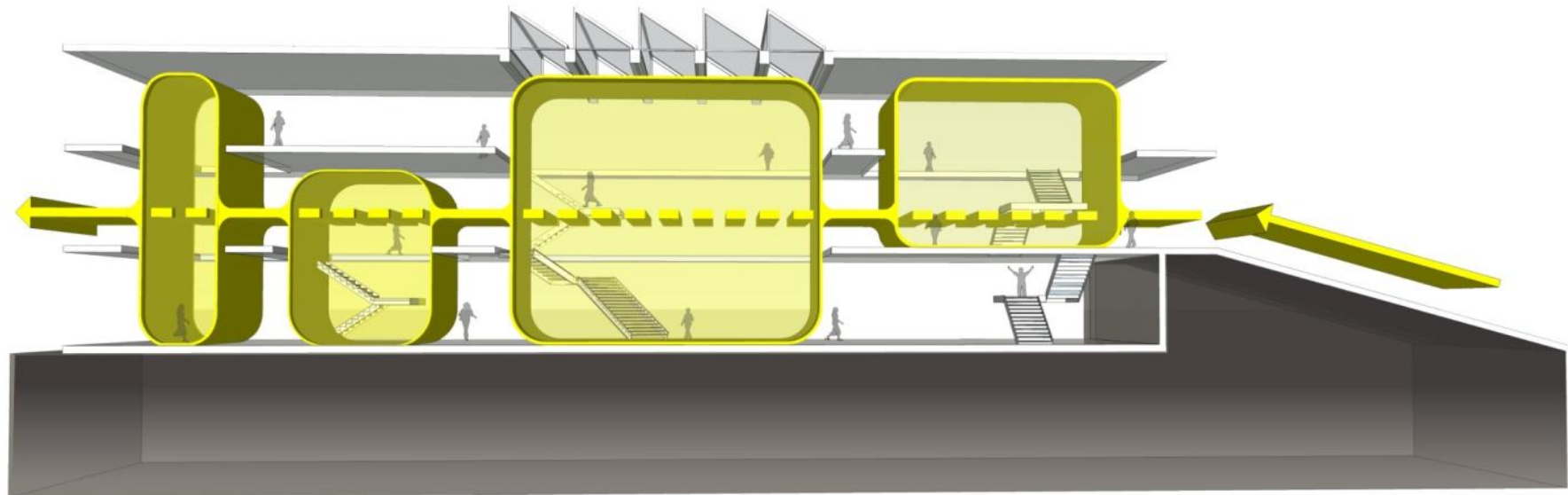
### *Shared educational space*

#### **Learning Environment:**

The layout of classrooms and shared areas is designed to accommodate Problem Based Learning,

including lectures, group work, individual study,

presentation, and performance. Shared areas support independent study, but also allow supervision from adjacent classrooms, allowing teachers to tailor their efforts to the needs of individual students.



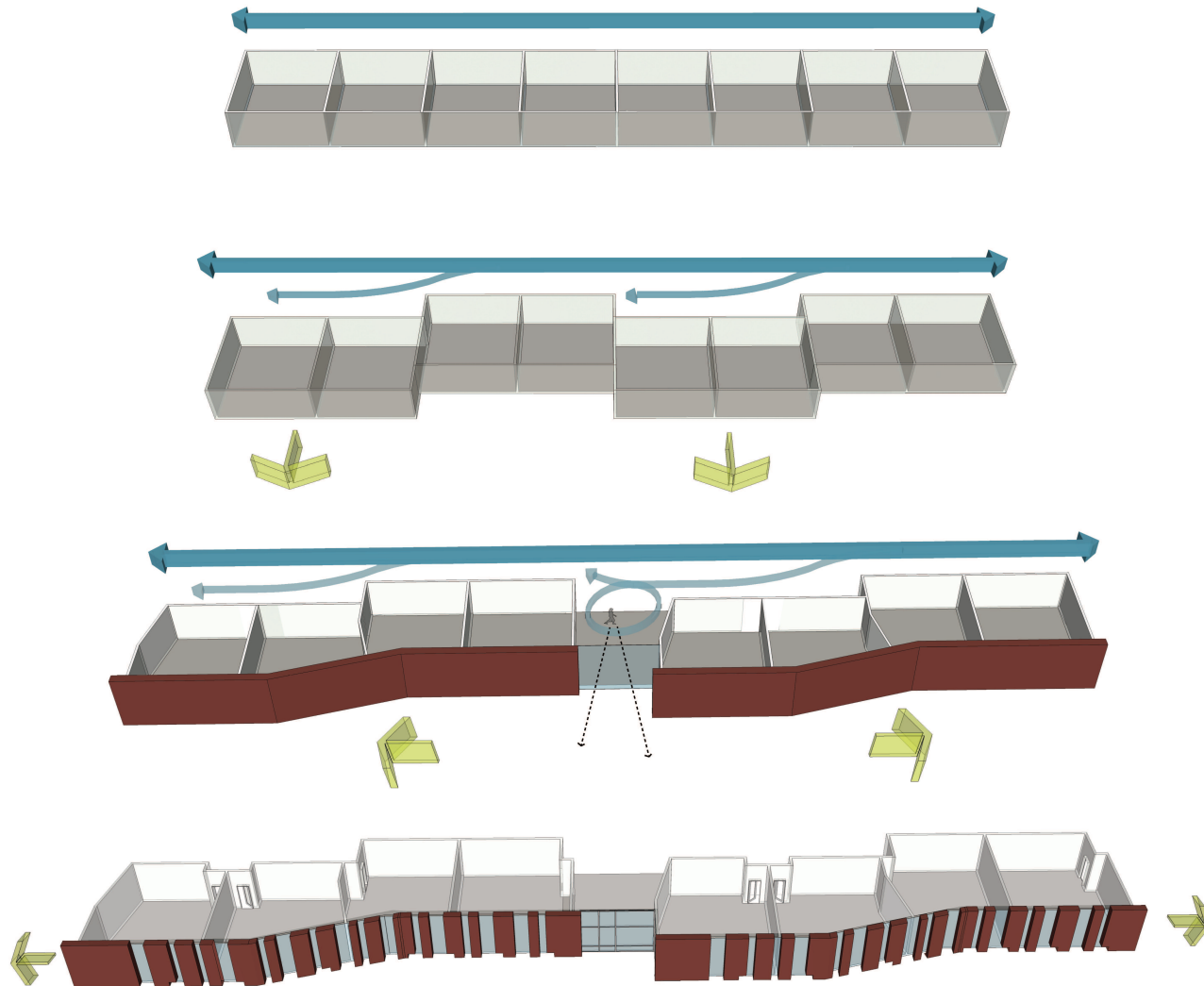
### *Section*

#### **Learning Environment:**

The interior of the new school is characterized by a series of vertical openings that serve to connect adjacent floors. These connections help to overcome potential segregation by floor, and serve the guiding

principles of “One School” by making work visible both laterally and vertically. The result is a quality of openness that characterizes spaces as well as the culture of the school.





### Physical Environment:

The shape of classrooms is influenced by the need to define shared areas. As the shared areas push against the classrooms, the exterior classroom walls are pushed outward. The result is a series of shared

areas open to the corridor and define a repeating cluster of classrooms and a rhythm of repeating masses that reflect the internal organization.

### *Planning process*

#### **Planning Process:**

Central to the planning process was the formation of the Totem Design Team (TDT). This group, - comprised of faculty members, district personnel, and students – was instrumental in defining the guiding principles for the design and in defining the activities and spatial requirements of the Problem Base Learning and STEM curricula. They also served as representatives of the Sammamish High School community, offering valuable insights into the school culture and the vision for the future.

This group met with the architects several times during the Schematic Design phase. Their first task was to define the Guiding Principals for the design. They accompanied the design team on several tours of local high schools to develop an understanding of a range of solutions beyond their own experiences. In the end they served as stewards of the guiding principals and helped the design team develop a design solution that was consistent with these principles.



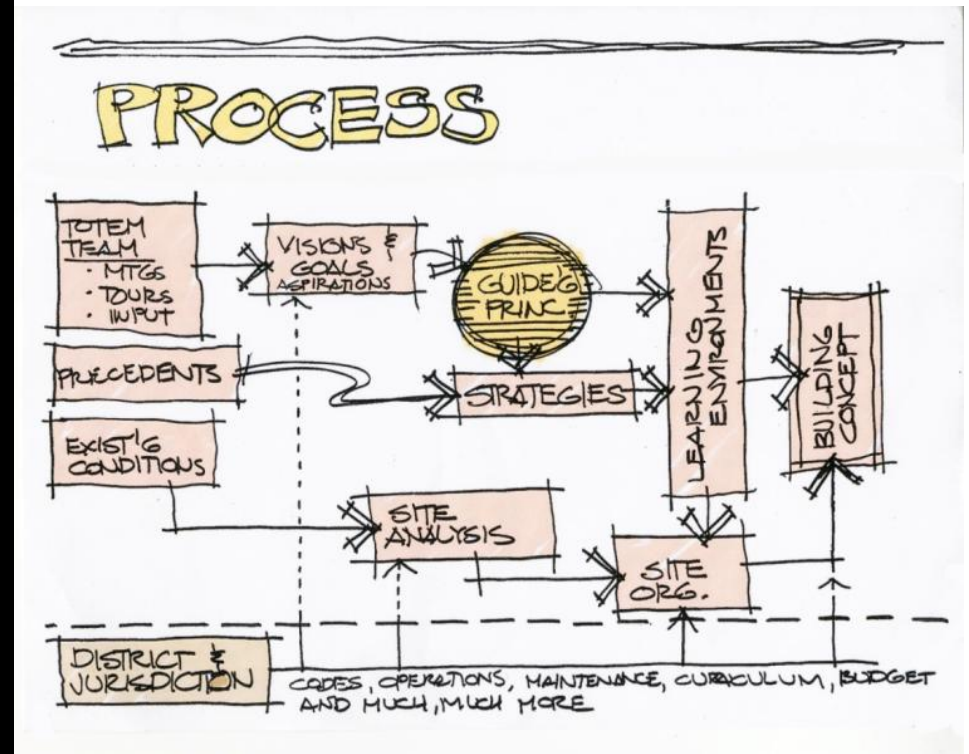


### Process timeline

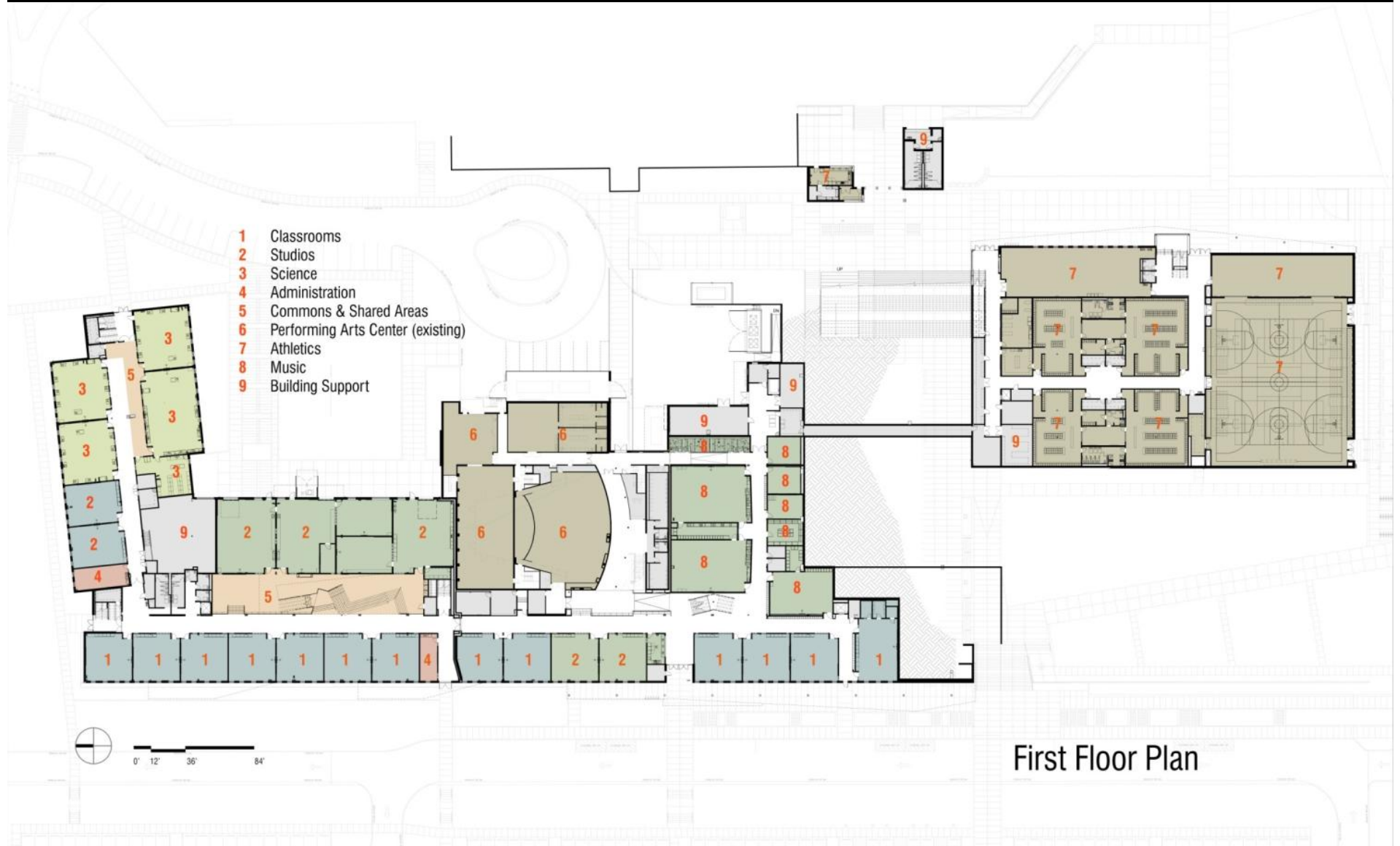
#### Planning Process:

The planning process for Sammamish High School was a unique challenge in that the STEM and Problem Based Curricula were largely new to the faculty and administrators, and thus some advance work was needed before a clear program with functional parameters could be developed. This process involved an in-depth study of precedents encompassing not only high schools, but higher education facilities and innovative office environments as well.

Paralleling the study of precedents, the design team worked with the Totem Design Team to develop the Guiding Principles for the design. Other constraints were studied as well, including existing conditions, site parameters, and code requirements. This process led to a variety of building concepts that were evaluated and refined with the input of the Totem Design Team.

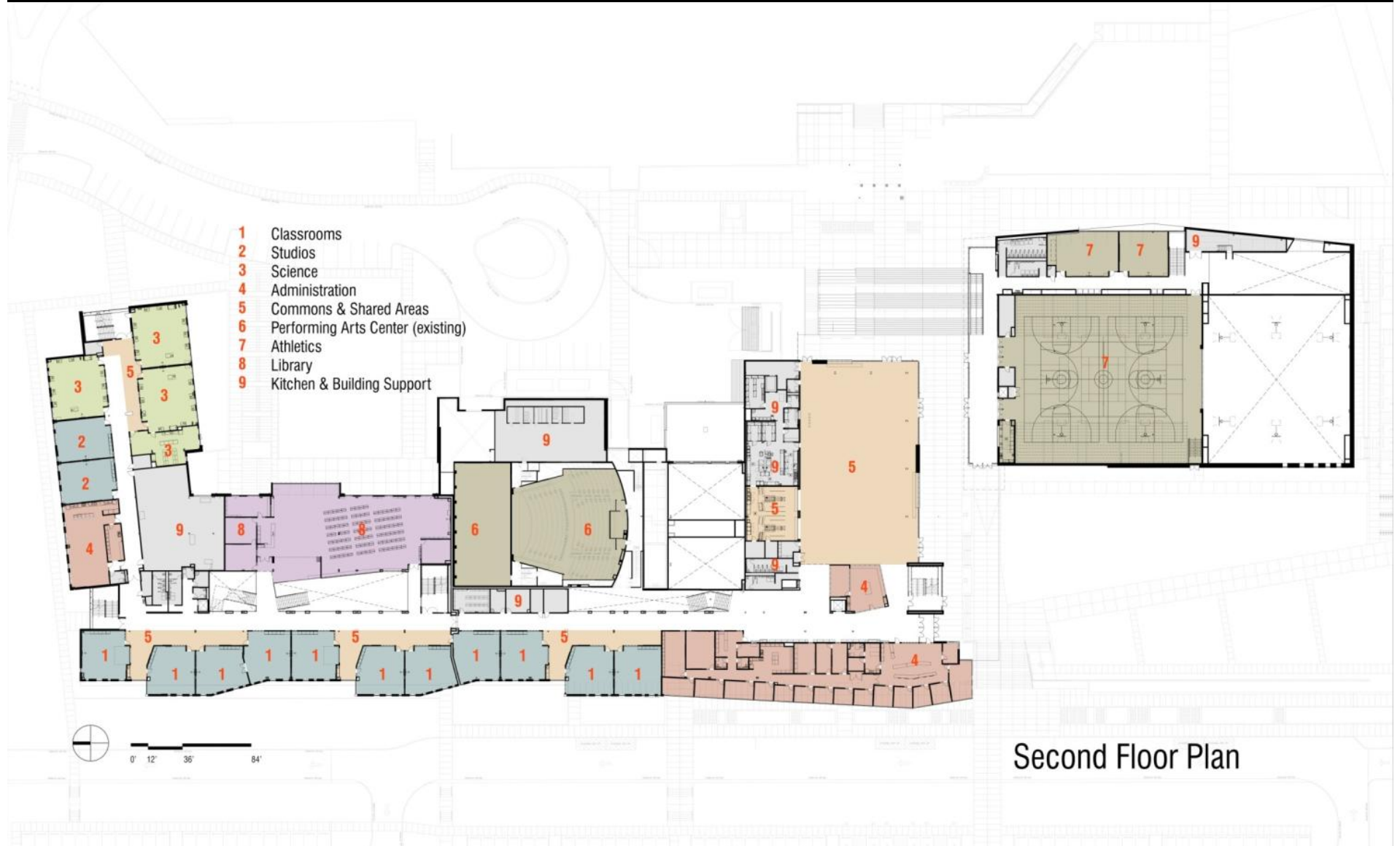


# Floor plan



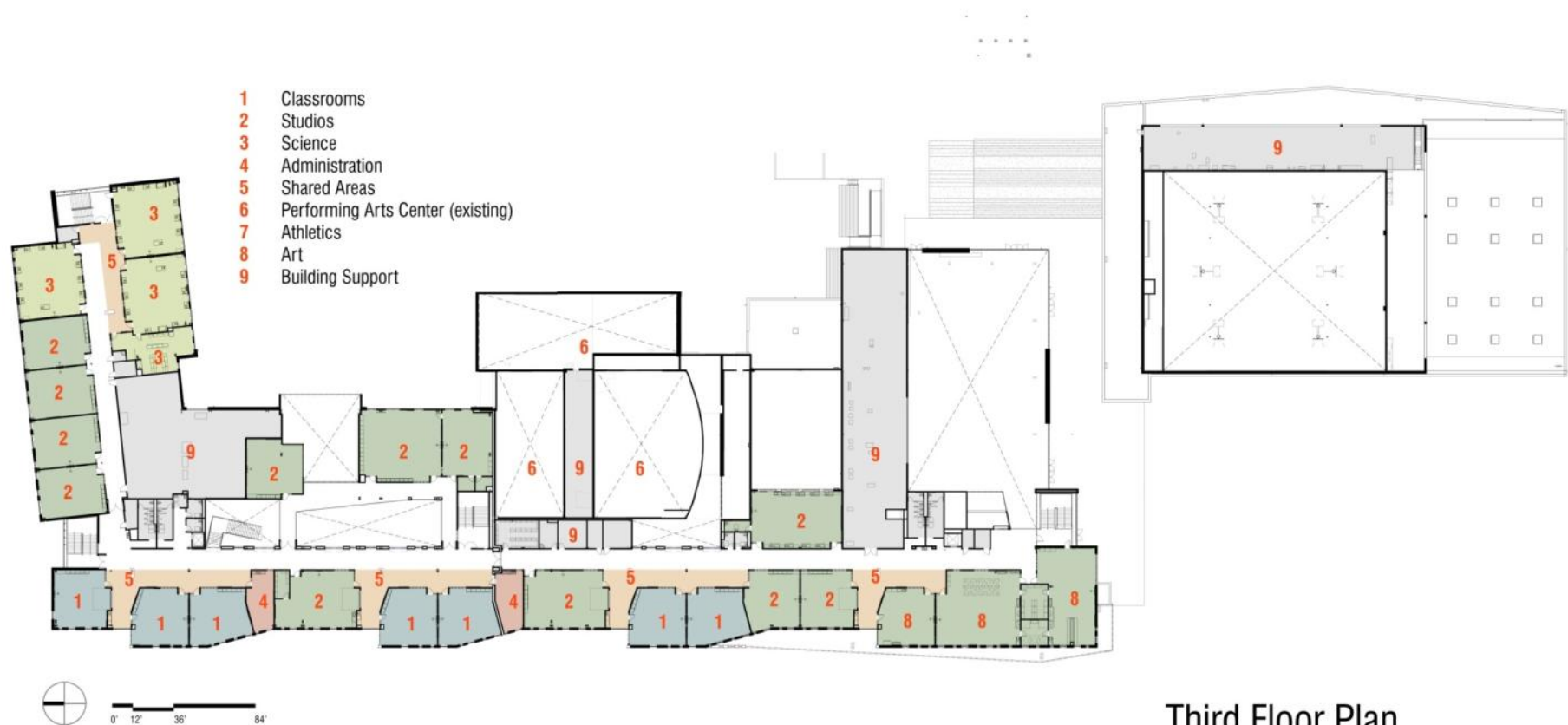


# Floor plan



Second Floor Plan

# Floor plan





# Physical Environment





# The Great Lawn





# Exhibition of School Planning and Architecture

## Project Data

Submitting Firm :	Integrus Architecture
Project Role	Architecture, Structural Engineering
Project Contact	James O'Malley
Title	Capital Construction Manager
Address	BSD, 12037 NE 5 <sup>th</sup> St
City, State or Province, Country	Bellevue, WA, United States of America
Phone	425.456.4510

Other Firm:	Coughlin Porter Lundeen
Project Role	Civil Engineer
Project Contact	Keith Kreuger
Title	
Address	413 Pine St, Suite 300
City, State or Province, Country	Seattle, WA 98101
Phone	206.343.0460

Other Firm:	Weisman Design Group
Project Role	Landscape Architect
Project Contact	Nick Hagan
Title	
Address	2329 E Madison St
City, State or Province, Country	Seattle, WA 98112
Phone	206.322.1732

Other Firm:	Hargis Engineers
Project Role	Mechanical
Project Contact	Brian Haugk
Title	
Address	600 Stewart St
City, State or Province, Country	Seattle, WA 98101
Phone	206.448.3376

# Exhibition of School Planning and Architecture

## Project Data

Other Firm :	Wood Harbinger
Project Role	Electrical Engineer
Project Contact	Sean Bollen
Title	
Address	3009 112 <sup>th</sup> Ave NE #100
City, State or Province, Country	Bellevue, WA 98004
Phone	425.628.6000

Other Firm:	Sparling
Project Role	Acoustical
Project Contact	Rob Miller
Title	
Address	4100 194 <sup>th</sup> St SW #400
City, State or Province, Country	Lynnwood, WA 98036
Phone	206.667.0555

Other Firm:	The Robinson Company
Project Role	Cost Estimating
Project Contact	John Perry
Title	
Address	101 Stewart St
City, State or Province, Country	Seattle, WA 98101
Phone	206.441.8872

Construction Firm:	Spee West Construction
Project Role	Contractor
Project Contact	Kris Christianson
Title	
Address	307 Bell St, Ste 101
City, State or Province, Country	Edmonds, WA, United States of America
Phone	206.284.7733

# Exhibition of School Planning and Architecture

## Project Details

<b>Project Name</b>	Sammamish High School
<b>City</b>	Bellevue
<b>State</b>	Washington
<b>District Name</b>	Bellevue School District
<b>Supt/President</b>	Dr. Tim Mills
<b>Occupancy Date</b>	09/02/2014 (estimated)
<b>Grades Housed</b>	9-12
<b>Capacity(Students)</b>	TBD
<b>Site Size (acres)</b>	TBD
<b>Gross Area (sq. ft.)</b>	260,000 (estimated)
<b>Per Occupant(pupil)</b>	TBD
<b>gross/net please indicate</b>	Gross
<b>Design and Build?</b>	No
<b>If yes, Total Cost:</b>	
<b>Includes:</b>	
<b>If no,</b>	
<b>Site Development:</b>	TBD
<b>Building Construction:</b>	\$71,000,000 (estimated)
<b>Fixed Equipment:</b>	
<b>Other:</b>	
<b>Total:</b>	TBD