

2013 Exhibition of School Planning and Architecture

Trillium Creek Primary School

West Linn, Oregon

Trillium Creek Primary School



Trillium Creek Primary School



Exterior

Community Environment

Built on a site containing a significant stand of firs, wetlands and the headwaters of Trillium Creek, the Trillium Creek Primary School project provided a unique opportunity to design a school reflective of the community's values. The community was especially sensitive to building impacts on this unique environment, including wetland and tree preservation, preserving open space and mediating traffic and noise impacts on neighborhood.



trillium creek primary school as seen through the forest

Exterior

Community Environment

Trillium Creek Primary School is a new suburban K-5 school built within an established neighborhood on a site historically used by neighbors for open space. The design highlights the natural features of the site and provides walking paths and connections for the community to use the site for exploring the forest and wetland. The school welcomes walkers and bikers from the surrounding neighborhood with pathways that wind through the forest and wetland to immerse students, teachers and the community in the natural landscape.



rain water collected for reuse in the building

Interior Learning Environment

The multidimensional library is the center of research and inquiry. Designed to facilitate large and small groups as well as individual learning, the library is intended to be fun, multi-dimensional, flexible and engaging. Definitely an active, engage library and “no shush” space.



library trees with “bird’s nest”

Interior Learning Environment

The Learning Neighborhoods with their openness encourage teacher collaboration and extension of learning activities outside the base classroom and are immediately adjacent to the library. This proximity and circulation pattern ensures continued student interaction and connection with the library. Learning Neighborhoods offer flexibility and connectedness for a multitude of educational delivery approaches.



view from learning neighborhood to library. Note LED energy meter pole giving students feedback on electricity use



learning neighborhood

Interior Fun Library

The school is meant to portray that learning can be fun. Bright colors, multidimensional spaces, crow's nest, and even a slide in the library.



FUN - even the adults love the slide



multidimensional cubby
with secret passage between levels

Interior

Physical Environment

Each classroom in the school features an “oriel” that extends from the building and creates an independent learning place for students, giving the feeling that they are suspended in the outdoor forested environment. Children can also easily identify their classroom from all around the site from the oriel’s bright colored tiles that also extend back into the classroom further blur the lines between interior and exterior spaces.



classroom “oriel” quiet nook



classroom “oriel”
connected to outside

Interior

Physical Environment

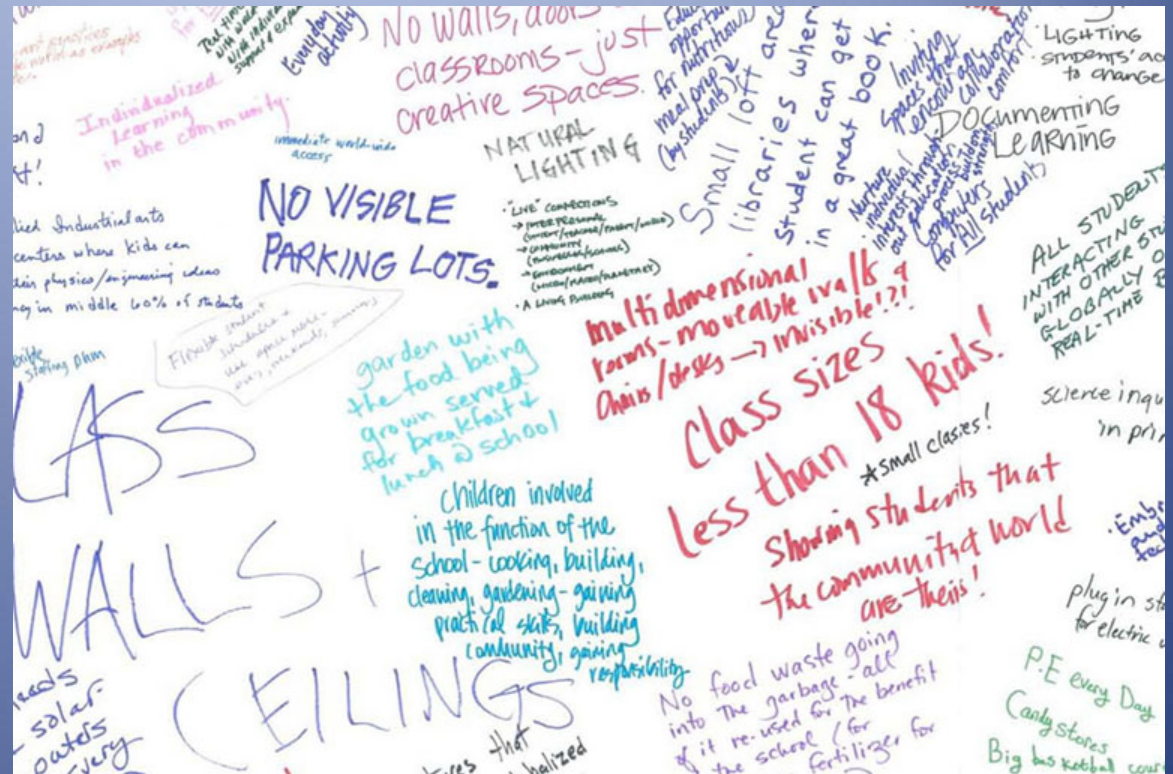
The educational environment supports a variety of learning and teaching styles with its flexible spaces and student owned learning places. Mobile furniture is installed throughout the building so students and teachers can adapt the spaces to support a variety of activities and learning styles. In addition to the classroom oriels, small nooks and cubbies are dispersed throughout the school to support small, independent learning. Designated private study spaces accommodate the school's diverse student population and help individualize their learning by providing a variety of environments to meet their needs.



"fat-L" classroom offering multiple grouping arrangements

Planning Process Imagineering Session

The design team took an integrated approach to the site and landscape design, allowing for significant collaboration and connection between all project stakeholders. Community members, parents, teachers, staff, administrators and students were able to work with the professional design team to identify project goals and guiding principles and lessons learned from existing primary schools and previous bond programs.



ideas from students during the “imagineering” session



banner from one “imagineering” session (25 feet long)

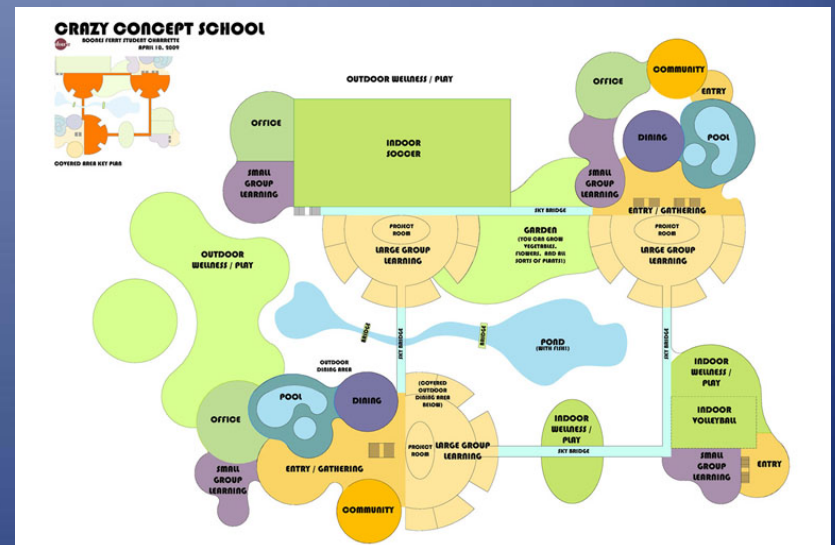
Planning Process

Student Charrette

Student-only design exercises were conducted by the architectural team to inform the design committee what a school should look like from the students' perspective. Students and the design committee completed design charrettes where primary themes materialized around nature play, open spaces, bright colors, energy conservation, personal space, connections to the outdoors and students wanting to be *the captains of their own learning*.



Student school design concept



architect's interpretation

Planning Process

Teaching about the School

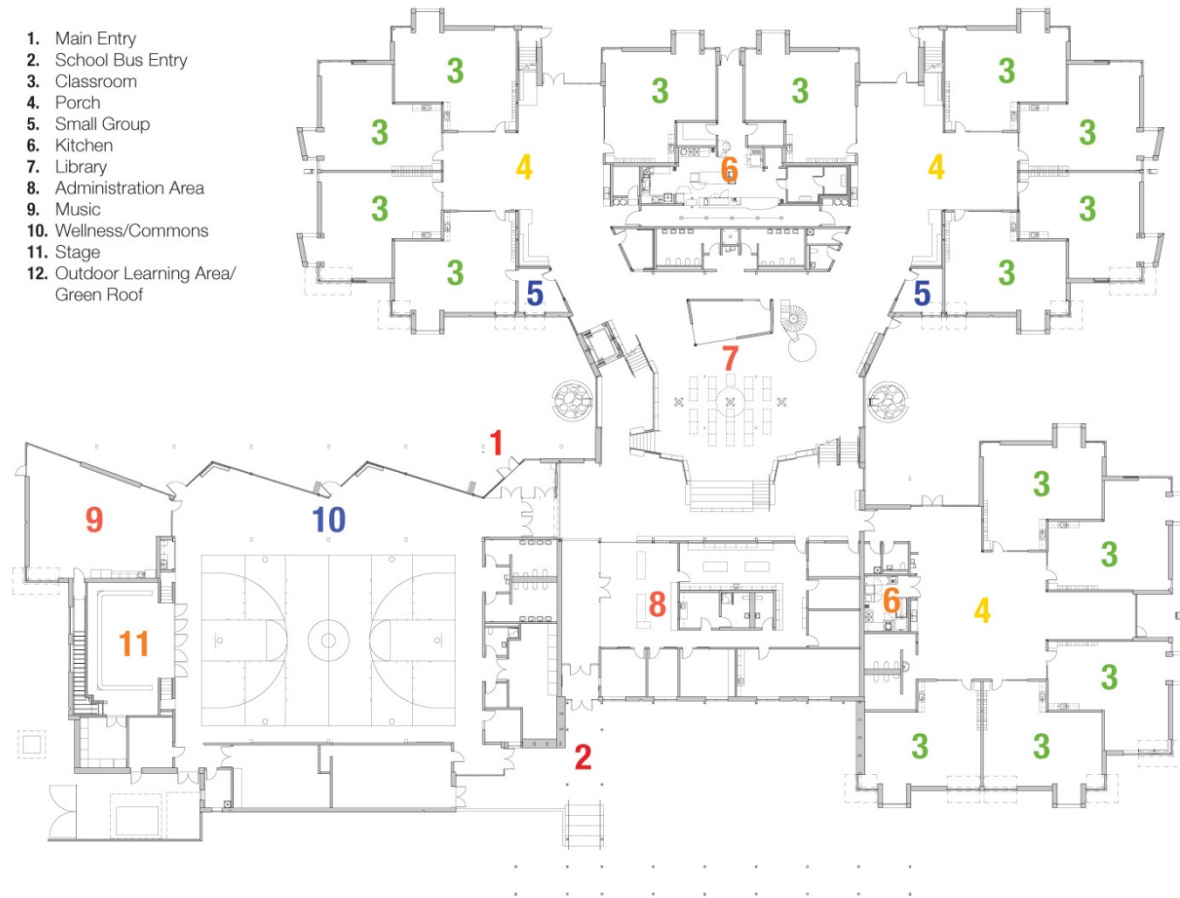
Following occupancy of the school, members of the design team worked with every student and teacher in the school to orient them to the sustainability and child-centric features in the building and school yard. They also reviewed the educational planning that went into the design of these features to help develop learning opportunities directly tied to curriculum.



passing on sustainability and student-centric design features



Floor plan



Trillium Creek Primary School - First Floor Plan



Floor plan

1. Main Entry
2. School Bus Entry
3. Classroom
4. Porch
5. Small Group
6. Kitchen
7. Library
8. Administration Area
9. Music
10. Wellness/Commons
11. Stage
12. Outdoor Learning Area/
Green Roof



Trillium Creek Primary School - Second Floor Plan



Exhibition of School Planning and Architecture

Project Data

Submitting Firm :	Dull Olson Weekes – IBI Group Architects, Inc.
Project Role	Architect
Project Contact	B. Karina Ruiz
Title	Associate Principal
Address	907 SW Stark Street
City, State or Province, Country	Portland, OR, USA
Phone	503-226-6950

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:	Howard S. Wright
Project Role	General Contractor
Project Contact	Ron Edgerton
Title	Project Manager
Address	425 NW 10th Avenue, Suite 200
City, State or Province, Country	Portland, OR 97209
Phone	(503) 220-0895

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Project Details

Project Name	Trillium Creek Primary School
City	West Linn
State	Oregon
District Name	West Linn-Wilsonville School District
Supt/President	Dr. William Rhoades
Occupancy Date	July 2012
Grades Housed	K-5
Capacity(Students)	500
Site Size (acres)	16.3 acres
Gross Area (sq. ft.)	68,000 gross sq. ft.
Per Occupant(pupil)	136 sq. ft./student
gross/net please indicate	
Design and Build?	No
If yes, Total Cost:	
Includes:	
If no,	
Site Development:	\$3,256,188
Building Construction:	\$12,594,280
Fixed Equipment:	\$1,000,000
Other:	
Total:	\$16,850,468

independent learning spaces are integrated throughout the library



"bird's nest" in the library serve as special kidspace



"bird's nest"



classroom wing with “oriels” makes it easy for students to identify their classroom from outside the building



teacher and students playing outside



school entry plaza



goats cleared invasive blackberries to mitigate
impact of construction in the wetland



bio swale



