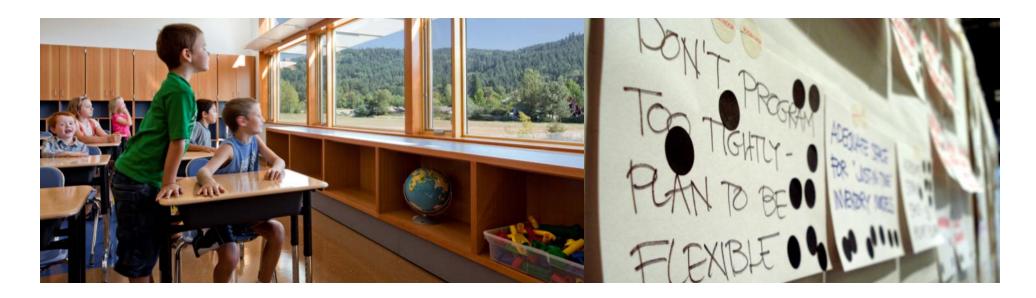
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Bainbridge Island School District
21st Century Learning Environments
Master Plan Update 28 January 2015

Elements of the 21st Century School



Bainbridge Island School District

Our **mission** as a learning organization is to ensure that every student is future ready:

:: Prepared for the global workplace

:: Prepared for college

:: Prepared for personal success



Bainbridge Island School District

Our **vision** is committed to providing each student with an excellent academic program in an engaging and supportive environment that:

- :: Fosters a passion for learning
- :: Instills a sense of civic and social responsibility, and
- :: Develops the intellectual, physical, and social skills necessary for success in career, college, and life in the 21st century



US Department of Education Guidelines

Enhance teaching and learning and accommodate the needs of all learners

Allow them to serve as centers of the community

Result from a planning | design process involving all stakeholders

Provide for health, safety, and security

Make effective use of all adaptable resources

Allow for flexibility and adaptability to changing needs

Elements of the 21st Century School



Elements of the 21st Century School

:: Multiple Use Spaces

:: Learning Everywhere

:: Design Patterns

:: Partnerships
Aligning services & programs
Creating new learning
opportunities

:: Sharing Facilities and Leveraging Resources

:: Adapt and Re-use Existing Facilities

:: Expanding the Boundaries

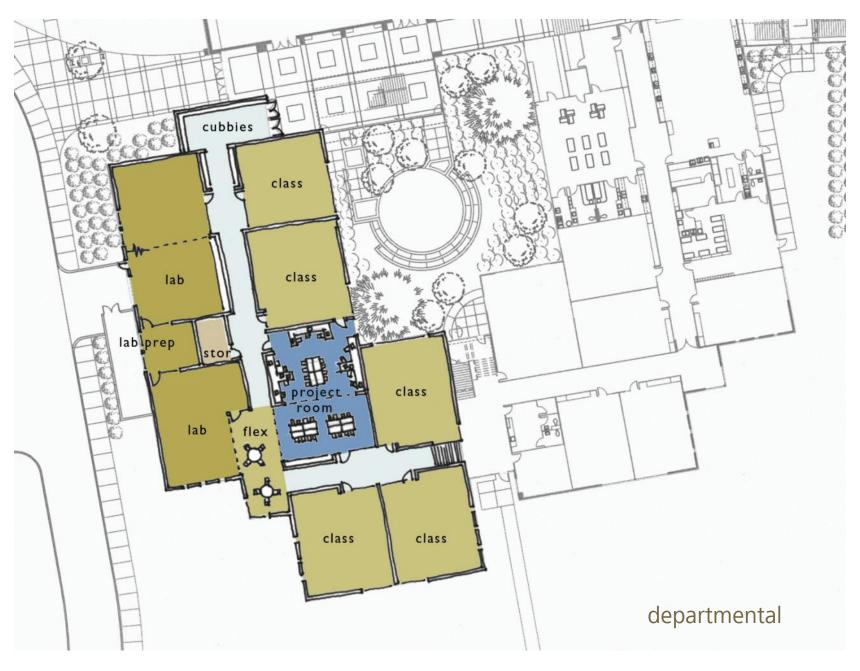
:: Design Trends

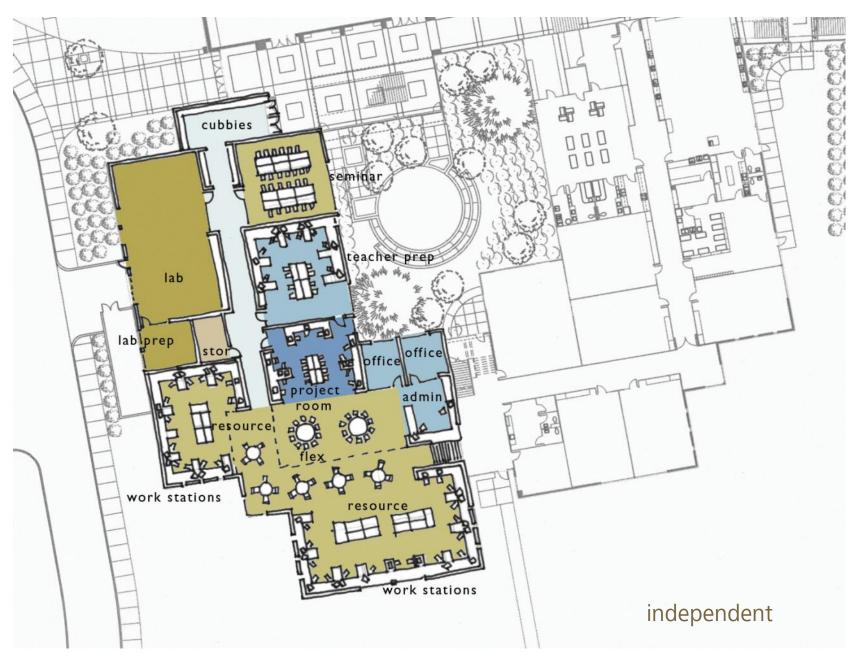
Multiple Use Spaces



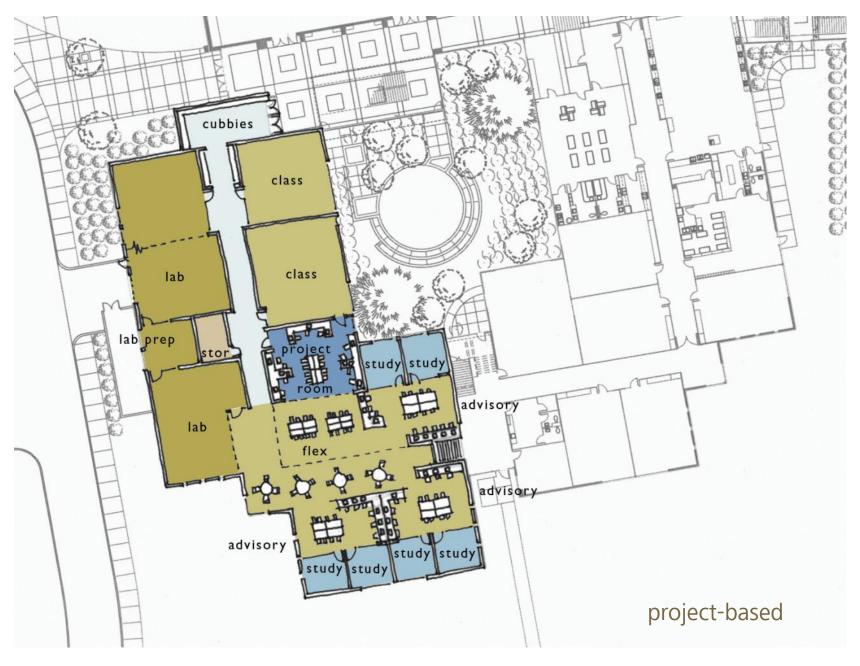


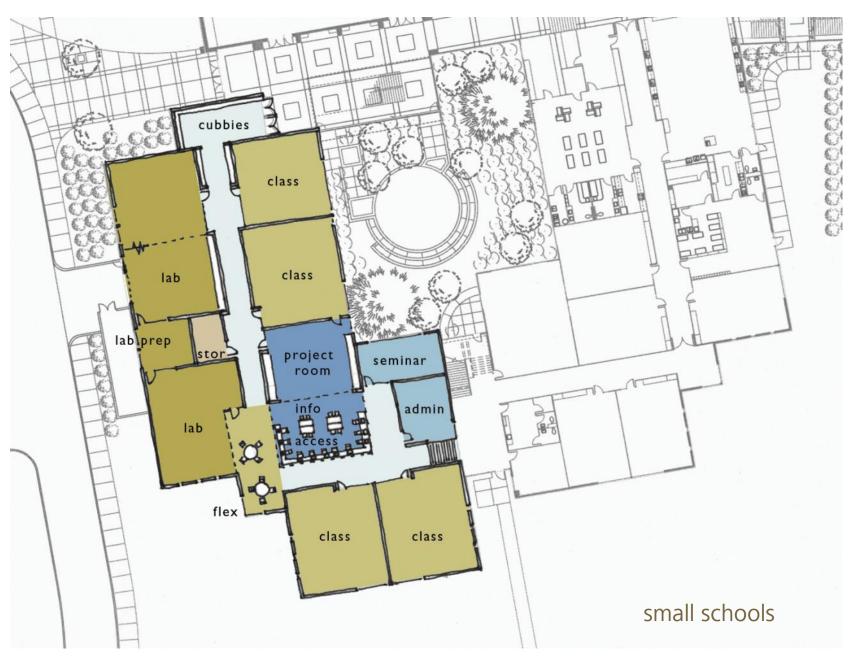












Learning Everywhere



Scaled

Facilitate Learning Everywhere

Corridors Collaboration Spaces

Outdoor Spaces Connected

Breakout Spaces Transparent

Presentations Spaces – Large & Small



Facilitate Learning Everywhere

Engaging Flexible | Adaptable | Convertible

Safe Durable | Enduring

Healthy Celebrates Culture

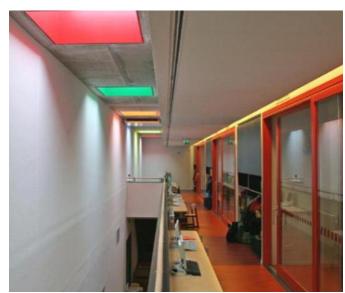
Challenging Inspirational

Supportive Courageous











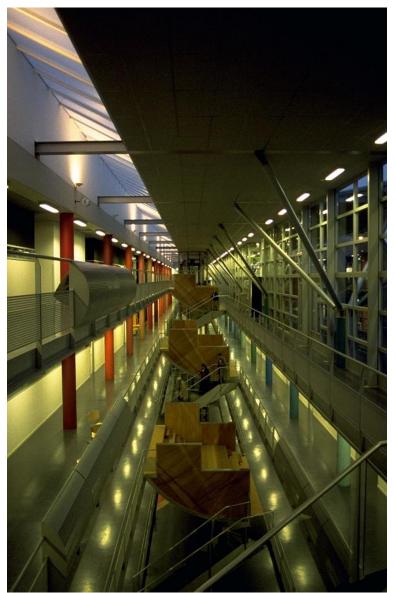


















Design Patterns



Learning Modalities – 21st Century School

:: Independent study

:: Peer tutoring

:: Team collaborative work

:: One-on-one with teacher

:: Lecture format

:: Project-based learning

:: Technology-based learning

:: Distance learning

:: Research via Internet

:: Student presentations

:: Performance & music-based

:: Seminar style instruction

:: Community service learning

:: Naturalist learning

:: Social | emotional learning

:: Art-based learning

:: Storytelling (floor seating)

:: Learning by building

Partnerships



Seek Education Partnerships & Joint Use

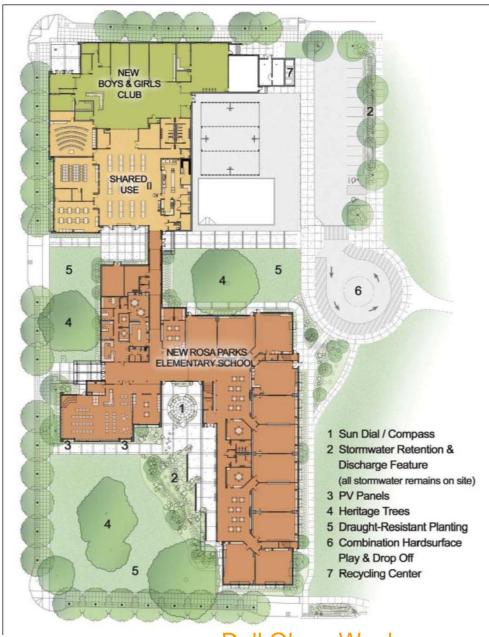
Augment School Programs

Provide Educational Opportunity Before and After School

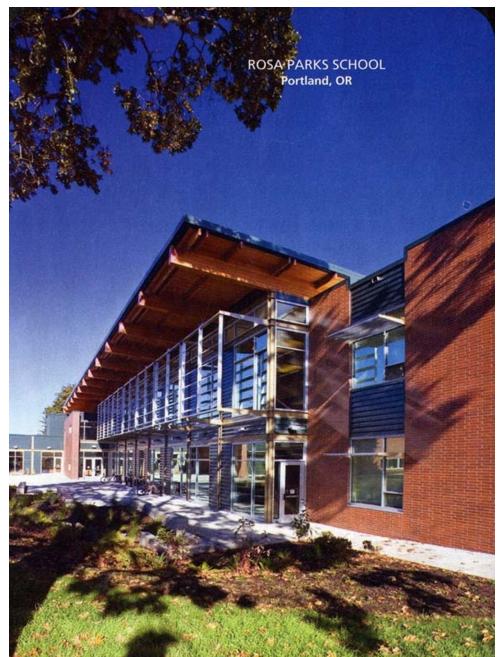
Potential Funding Source

Shared Sites(Parks and Recreation & others)

Aligning Services & Programs



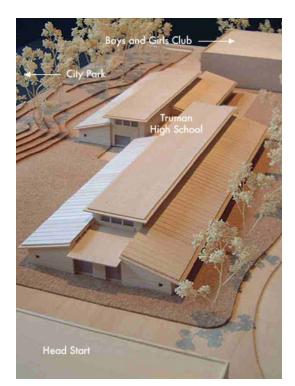
Dull Olson Weekes





Rosa Parks School, Portland, OR

Dull Olson Weekes



Sharing Facilities and Leveraging Resources



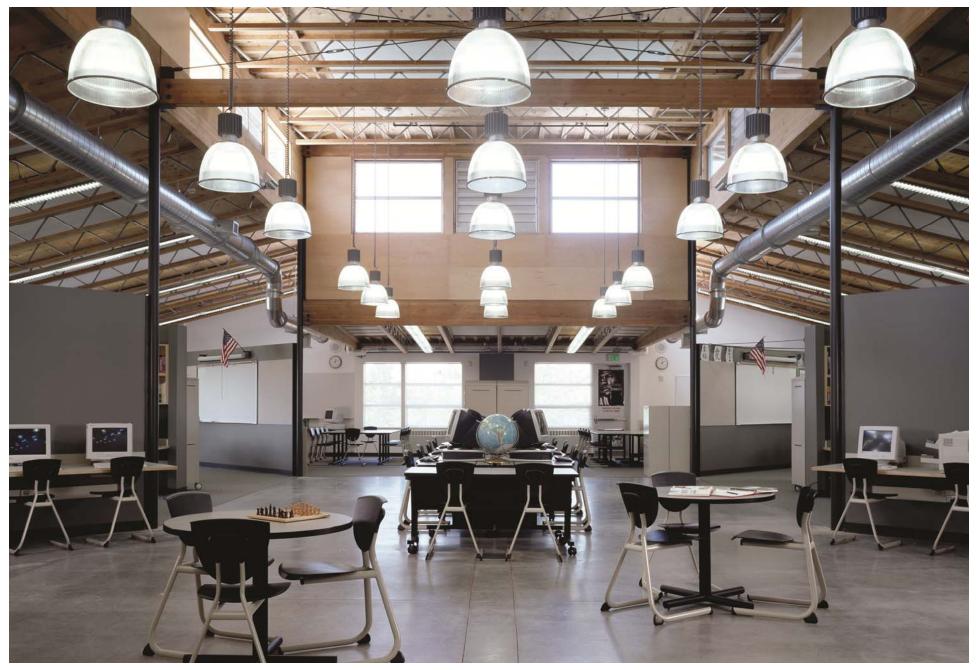
Truman Learning Center, Federal Way, WA



Truman Learning Center, Federal Way, WA



Truman Learning Center, Federal Way, WA



Truman Learning Center, Federal Way, WA



Truman Learning Center, Federal Way, WA

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Adapt and Re-use Existing Facilities

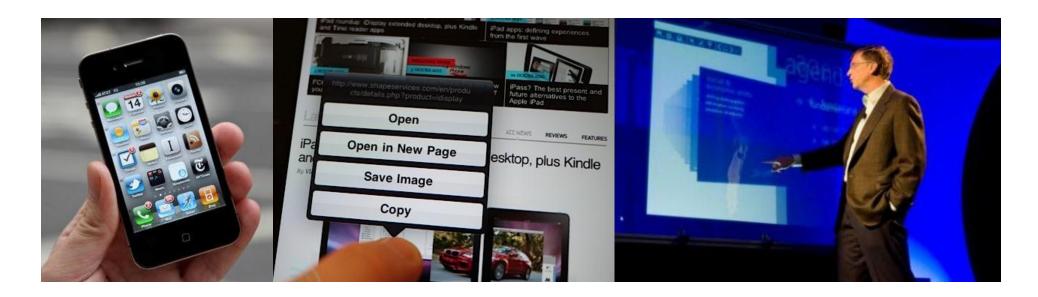


Adapt and Re-use Existing Buildings

Additions and Renovations to Existing Buildings

Keeps School Facilities in Established Neighborhoods

Adaptive Reuse of Other Building Types into Schools: Warehouses, Office buildings, Retail Expanding the Boundaries



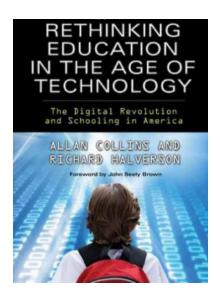
Integrate Technology Throughout

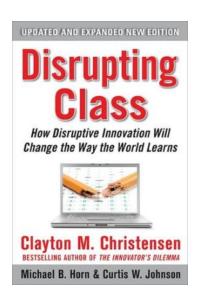
Not Only about Computer Literacy

Collaboration

Visual Literacy

Storytelling





Integrate Technology Throughout

Rethinking Education in the Age of Technology

Allan Collins and Richard Halverson

Disrupting Class, How Disruptive Innovation Will Change the Way the World Learns

Clayton M. Christensen with Michael B. Horn and Curtis W. Johnson







Utilize Neighborhood & World as Campus

Utilize Skype and Other Technology to Foster Connections Locally & Internationally

Utilize Neighborhood Venues for Drama | Music Presentations

Expand Learning by Creating Social, Collaborative and Meaningful Connections that are Relevant and Empowering



Maximize Site Connection to Community

Reduces the Need for Large Site

Utilize Parks & Recreation
Centers and Sites, Potentially
Freeing Up School District Land
for More Outdoor Learning
Opportunities





The School Without Walls, Washington, DC





Embrace Sustainable Design

Perform Best when Building
Performs Well:
Comfortable Environment
Free of Irritants | Toxins
Minimize Energy & Resource Use

Teachers and Students

Create Building as a Teacher of Environmental Stewardship & a Laboratory for Learning About Natural Processes

Increase User Performance



Sustainable School Opportunities

Envision a sustainable school
Establish sustainability goals
Identify opportunities and strategies
Identify educational opportunities



Environmental Impact of Buildings

65.2% of total

U.S. electricity consumption

36% of total

U.S. primary energy use

30% of total

U.S. greenhouse

gas emissions

136 million tons of construction and demolition waste in the U.S.

(approx. 2.8 lbs/person/day)

12% of potable water in the U.S.

40% (3 billion tons annually) of raw materials use globally



Benefits of High Performance Design

Environmental benefits

Reduce the impacts of natural resource consumption

Economic benefits

Reduce operating costs

Health and safety benefits

Enhance occupant comfort and health

Educational benefits

Improve quality of educational experience



Benefits of High Performance Design

Increase student performance NCEF

www.edfacilities.org

Daylighting

Heschong Mahone study Quality of daylight / improvement in learning

Indoor air quality

Healthier, more comfortable environments/reduced absenteeism

Acoustics

Good acoustics/good academic performance

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