ANAHEIM UNIFIED SCHOOL DISTRICT

EXECUTIVE SUMMARY

With the passage of Measure J in 2016, a promise was made to address aging schools for Anaheim Elementary School District (AESD). Roosevelt Elementary School was built in 1957 on 6.54-acres consisting of single-story buildings, scattered portables, two play areas, and a small drop-off zone with limited parking.

The goals for the new campus for future ready learners are:

1. Create a welcoming, community-oriented campus for learning and gathering.

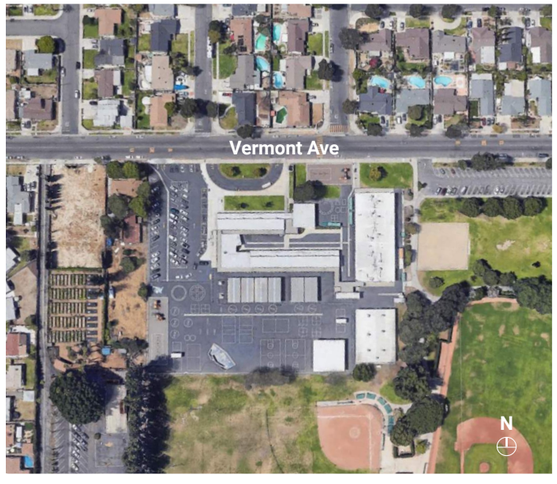
2. Create a campus to reflect AESD's extensive, forward-thinking Educational Specifications and Distinguished Practices which relate their commitment to educating the whole child.

3. Provide a learning environment that empowers students to take ownership of their learning

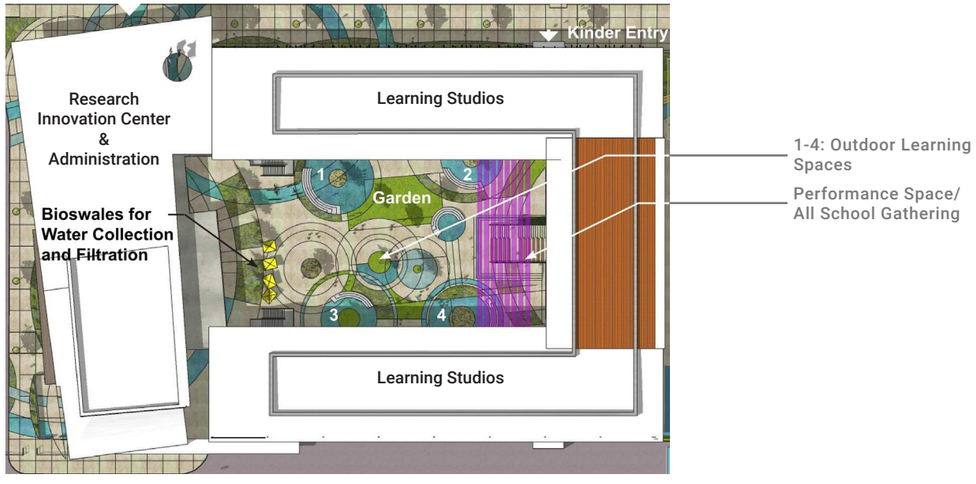
4. Provide spaces to empower teachers to facilitate multiple learning styles simultaneously easily

5. Provide spaces to greatly increase the amount of time students will spend learning outdoors

6. Provide space for the Visual and Performing Arts (VAPA) program to support the arts as a critical and integrated part of the curriculum.



Existing aerial view *of the campus*



Proposed aerial view *of learning studio buildings, administration, and outdoor learning*

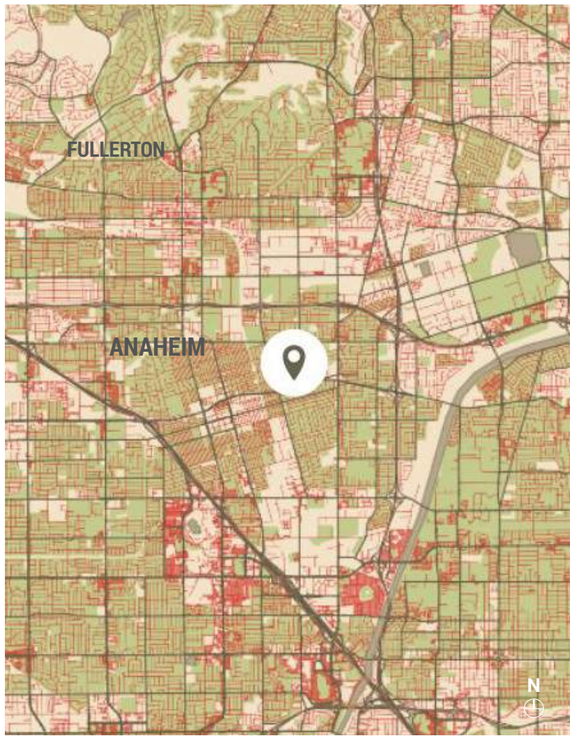
Photos of existing *Roosevelt Elementary School*

SCOPE OF WORK AND BUDGET

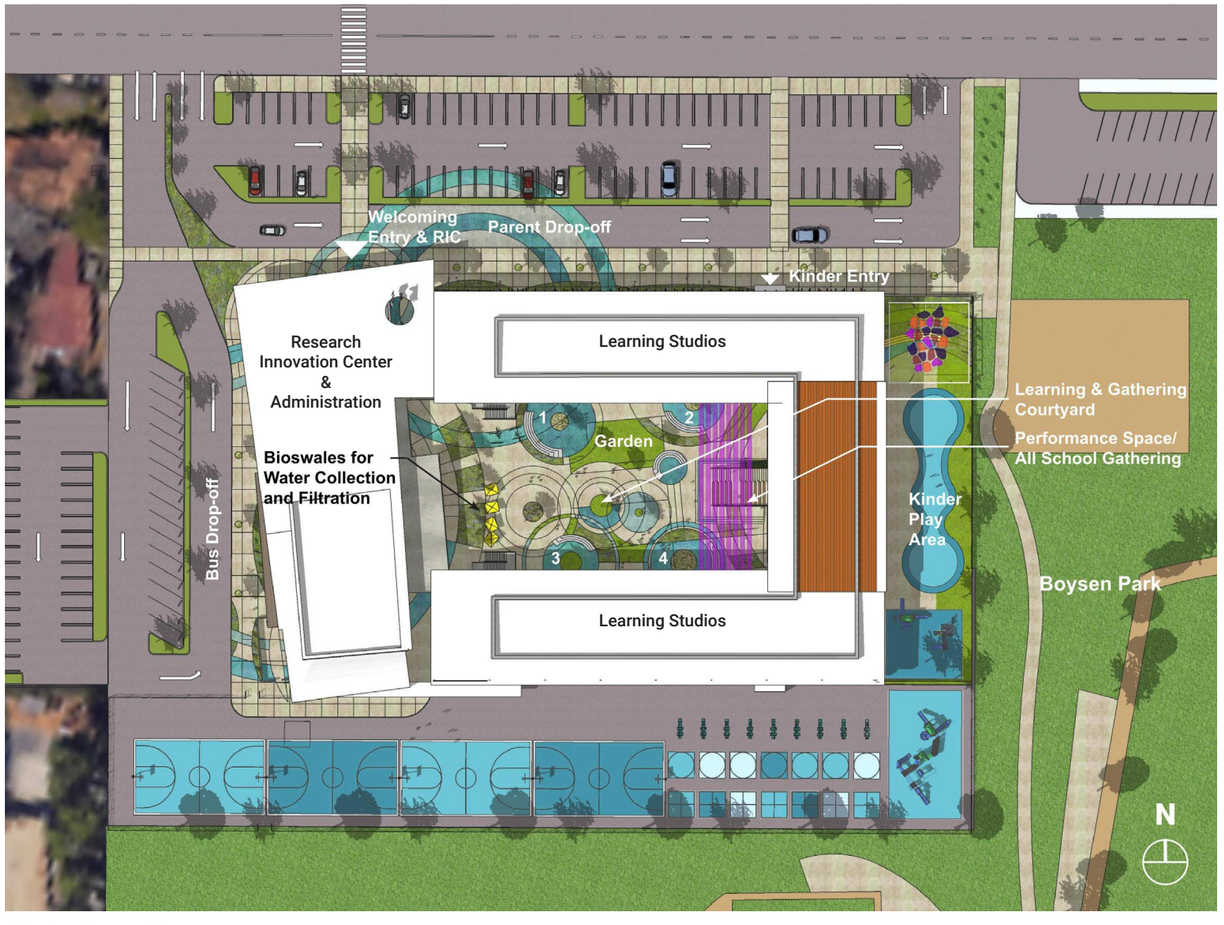
The design team was part of the master planning process that led to the decision to make Roosevelt one of their first priorities by planning to demolish the campus making way for a new transformational school. The 88,500 SF school will house 750 TK-5 students on an existing 6.54-acre site with joint use of the adjacent Boysen Park named after Charles R. Boysen.

Construction Budget: $50 Million

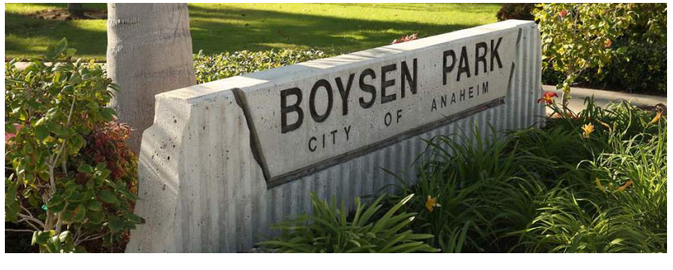
***Location** of Roosevelt Elementary School*



New site design



***Boysen Park** named after Charles R. Boysen a California horticulturist who created the boysenberry, a hybrid of three berries.*

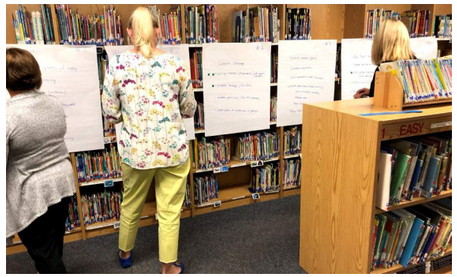


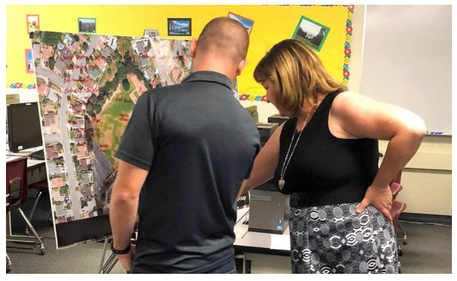
Existing site conditions

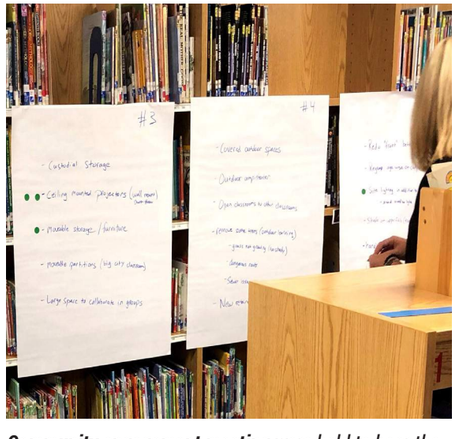
THE PROCESS


2014
2015
Believe! Achieve! Succeed!
COMMUNICATION CABINET
READ
LIFE

SCHOOL & COMMUNITY ENGAGEMENT







Community engagement meeting *were held to hear the community's hopes, aspirations and concerns*

An extensive in-depth community engagement process was the driver for the design. Anaheim Elementary School District's (AESD) team included educational leadership, students, parents, teachers and specific committees such as Distinguished Practices, Library Media, and Safe Routes to School. The design team had a well-rounded group of forward-thinking participants where all voices were heard to model collaboration for their students.

One of the wishes from the community as well as the school district that embodied the biggest challenge for the design team is to create a transparent and welcoming campus while providing a very safe and secure environment for their students. Hence, the design of Roosevelt Elementary School had to address such concerns not only through its aesthetics, but also through its function and operation.

The design team consisted of passionate K-12 design experts, who collaborated with the community, educators and students to create meaningful learning experiences. The Expertise of the educators and the input from user groups combined with the team's K-12 design expertise was an asset that resulted in a successful design.

Another challenge and asset was the joint use of Boysen Park. The joint use arrangement allows the public to use the school play areas after school and on weekends. This challenge was addressed by using the buildings as edges on the campus perimeter instead of fencing, while still inviting community in through one point of entry.

Student engagement workshops *were held to discover the student's desired learning environment*

EDUCATIONAL ENVIRONMENT

The educational vision of the school is to facilitate inquiry based learning so students gain knowledge and skills by working in teams on long-term multidisciplinary projects that are structured around rich, real-world, and relevant research questions.

The underlying design concept is to support this educational vision by providing flexible, connected and adaptable spaces that can accommodate a variety of multiple learning modalities simultaneously from one-on-one learning to large group collaborative activities needed for inquiry based learning.

***Outdoor learning courtyard** with shade structure used for learning activities such as research, independent learning, small group work and large group assemblies*

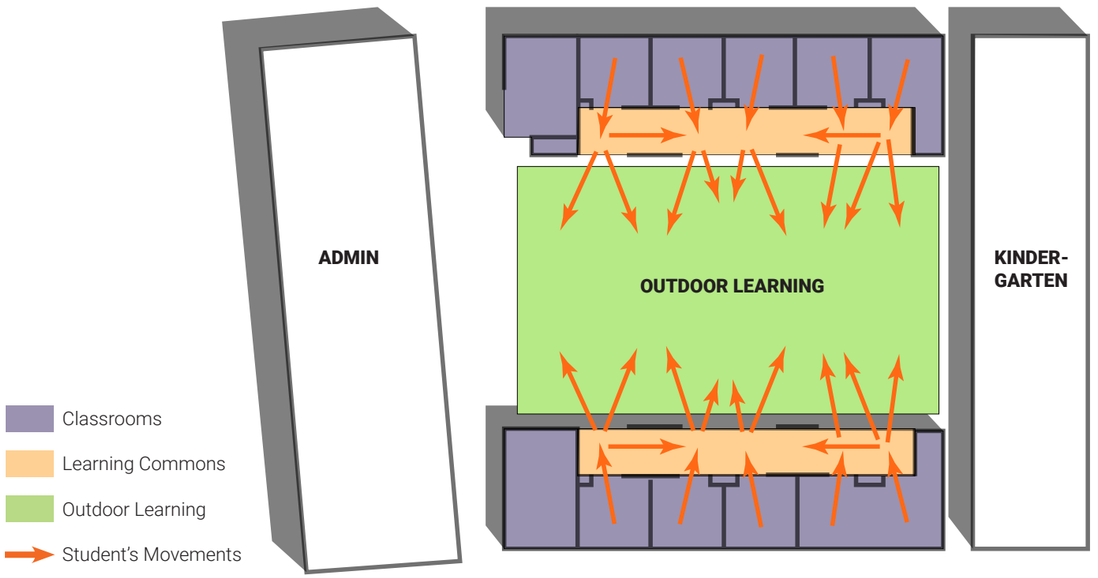
***Learning studio** with flexible furniture*

PHYSICAL ENVIRONMENT

To support the educational vision, ample transparency between learning studios, learning commons and the Learning and Gathering Courtyard with its four areas is provided. The physical environment supports teachers in their role of facilitating learning that empowers students by giving them the conditions for optimal learning to take place. The physical environment is flexible with varied types of furniture and arrangements, areas for quiet individual work as well as areas for group work and collaboration. This supports a variety of ways for all students to engage in flexible and dynamic learning.

The learning studios all open onto the learning commons with glazed roll up doors. A 'pod' in each learning commons supports the teachers serving as small group workrooms or conference area.

Diagram: *Flexibility of learning spaces*



View to courtyard *with outdoor learning*

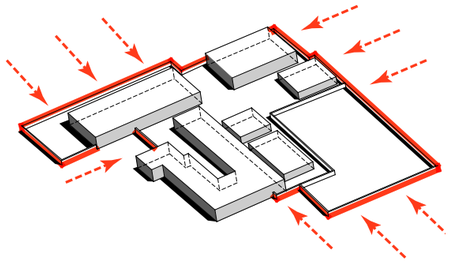
PHYSICAL ENVIRONMENT

In addition to being a safe yet welcoming campus that supports the whole child, every part of the project was considered an opportunity for sustainability. All buildings have been designed to be photovoltaic ready for zero net energy potential in the future, since all schools will need to meet Zero Net Energy goals by 2030 in California:

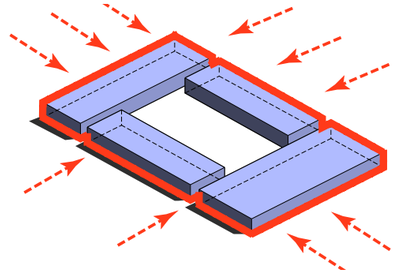
- Daylighting was maximized in the learning studios and learning commons to enhance student wellness and academic performance as well as for energy efficiency.
- Energy efficient indoor and outdoor lighting was specified for the entire campus.
- The building envelope has overhangs and fins to protect the interior from heat gain.
- The Learning and Gathering Courtyard contains drought tolerant landscaping and bio-swales to help conserve water while serving as a 3D textbook for students to learn about sustainability.
- The student garden next to the kitchen is used for students to grow produce which is served at lunch time.

The design of Roosevelt Elementary School was also evolved overtime through multiple iterations in order to provide solutions for all community's needs and concerns. The design was validated throughout the process by utilizing and implementing emerging technologies such as Environmental Analysis software and Virtual Reality.

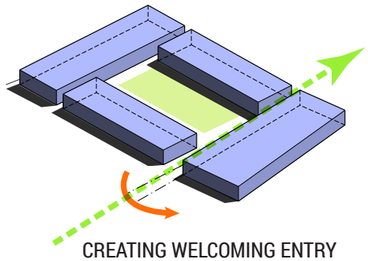
Diagrams: *Secure and Welcoming Campus*



EXISTING SECURITY METHOD: FENCE

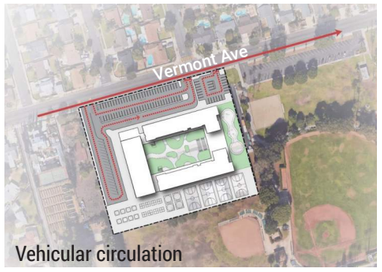


PROPOSED SECURITY METHOD: BUILDING

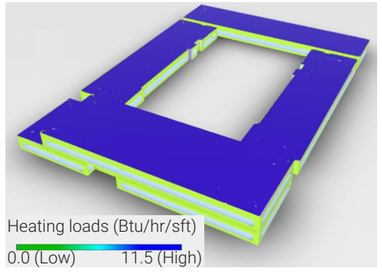


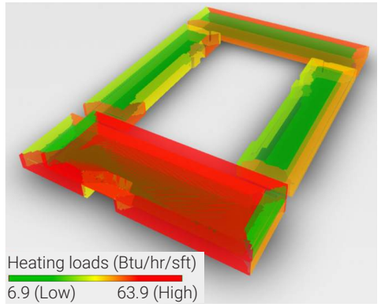
CREATING WELCOMING ENTRY

Diagrams: *Site analysis*



Diagrams: *Energy modeling*





Process: *Validating the design through virtual reality*

Iterations: *Building aesthetics and site layouts*

PHYSICAL ENVIRONMENT

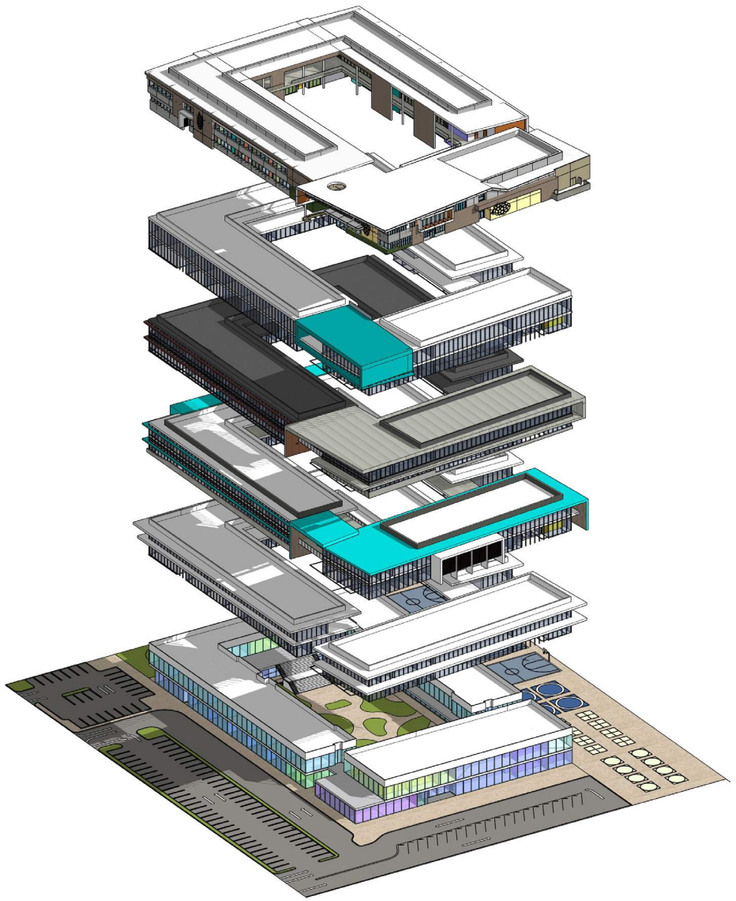
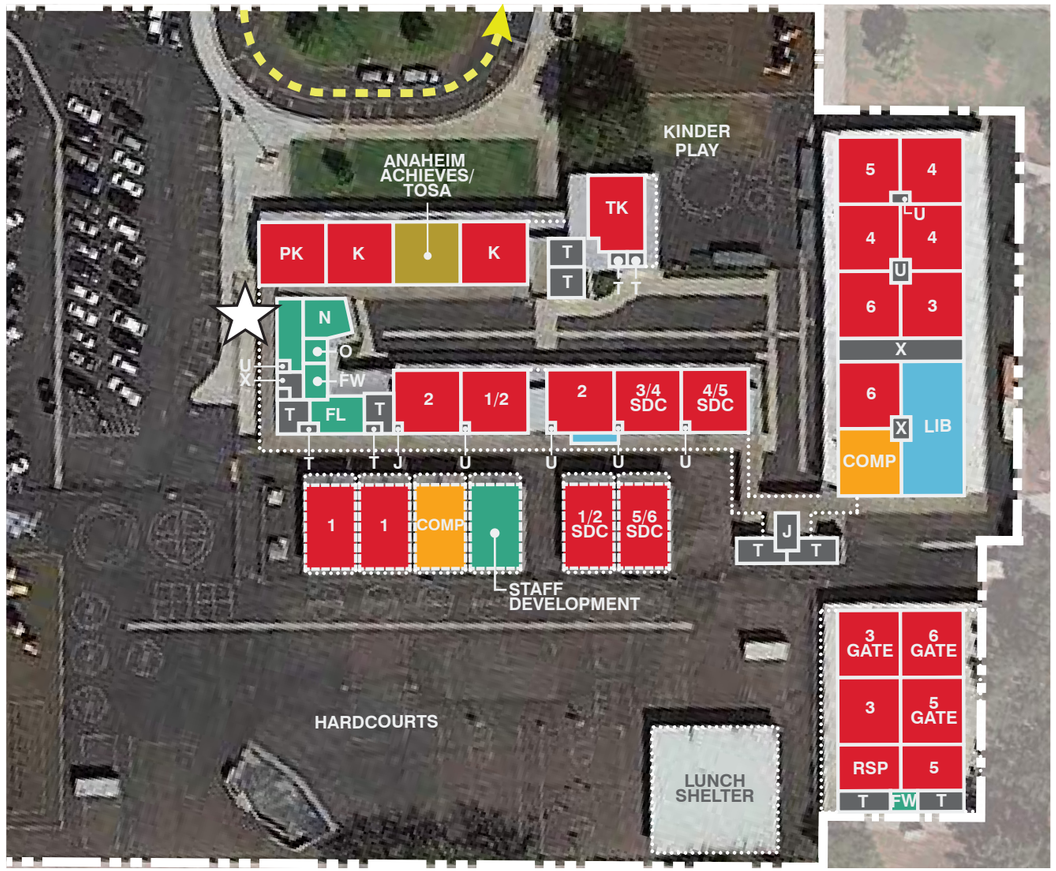


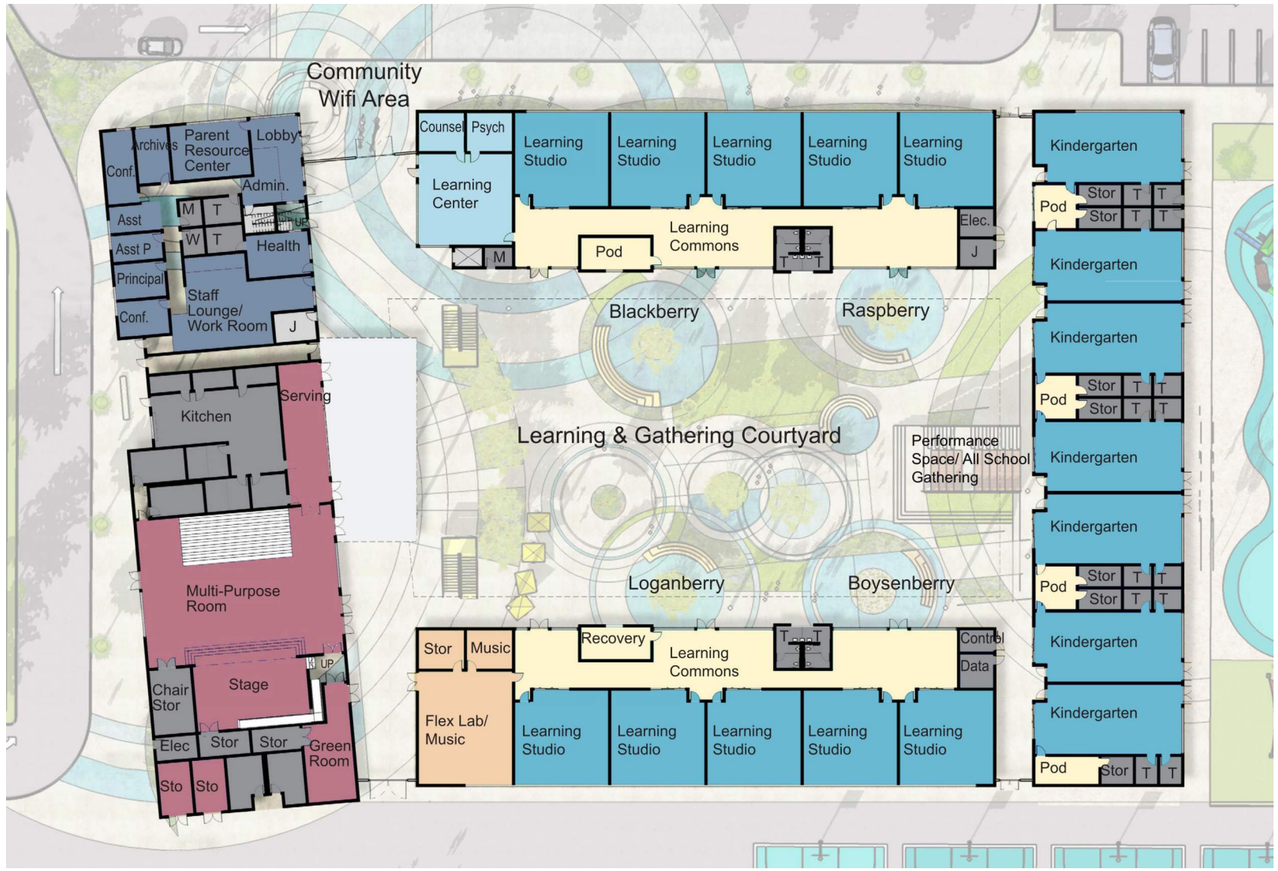
Diagram: *Several building envelope studies were made to get to the final design*

View from learning courtyard

PHYSICAL ENVIRONMENT



Plan: *Existing layout*

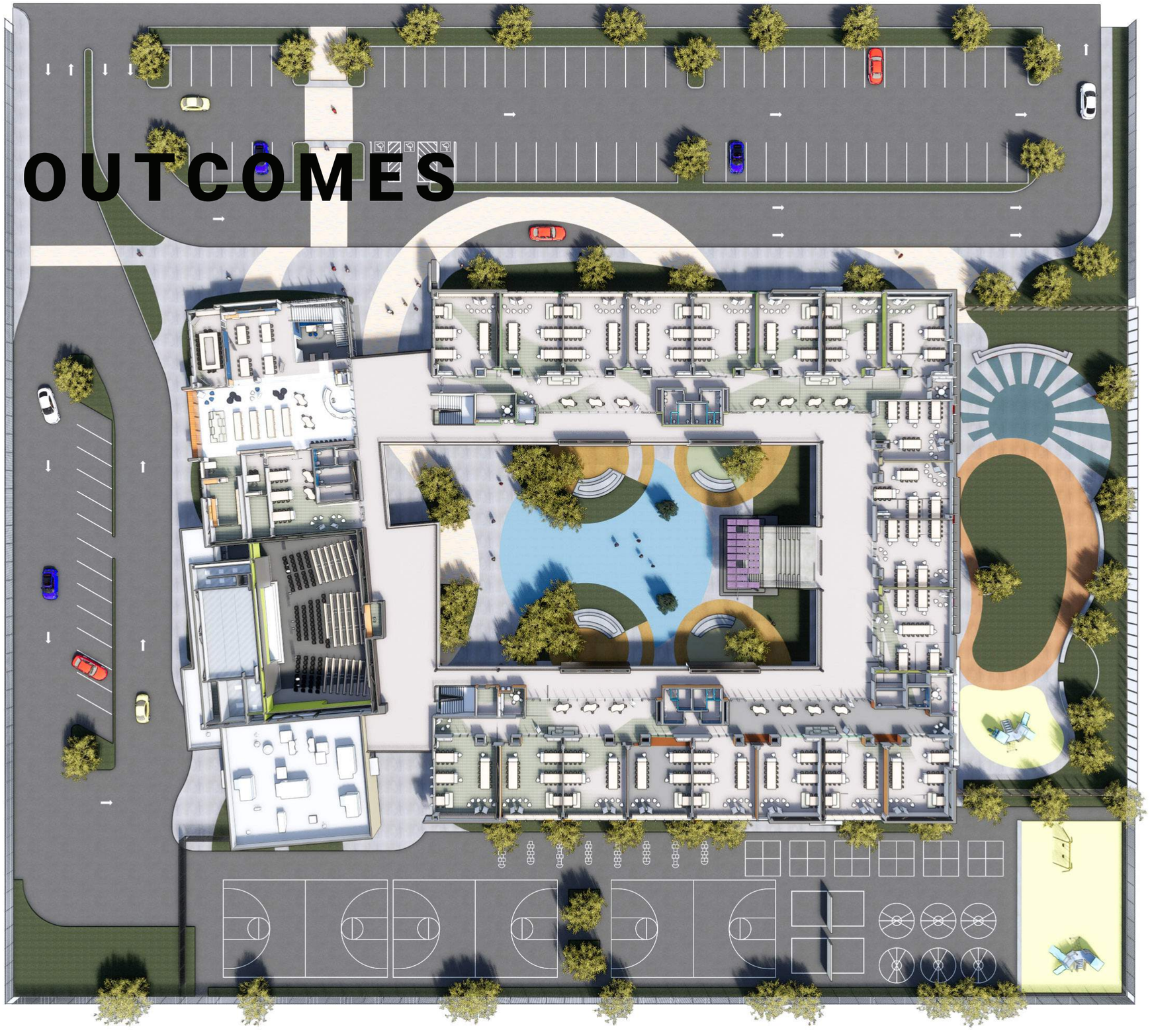


Plan: *Proposed layout (First floor)*

PHYSICAL ENVIRONMENT

North and West Elevations: *Colors are utilized as identifier with Boysenberry graphics, representing the identity of the community*

THE OUTCOMES



RESULTS & OUTCOMES

Roosevelt Elementary School has become an essential piece of Anaheim USD simply by tackling the District's concerns and wishes and successfully achieve the agreed upon goals of the project:

Goals 1 & 2: Community Environment- When a visitor arrives at the new school, they will experience a more open and visitor-oriented experience. Another welcoming feature located directly above the administration lobby is the Research and Innovation Center (RIC). The two-story welcoming lobby connects both spaces. Visitors will be able to glimpse the learning activities going on in the RIC, as students do research, design, and create projects that illustrate their learning. A free WiFi zone at the campus entry is also provided to this under-served community.

Exterior View: *Administration building to Courtyard*

Exterior View: *Main entry and parent drop-off*

RESULTS & OUTCOMES

Goals 3 & 4: The learning spaces are designed to foster collaboration and exploration both for the students and the teachers facilitating learning. A 'pod' in each learning commons supports the teachers serving as small group workrooms.

Goals 4 & 5: Ample transparency between learning studios, learning commons and the Learning and Gathering Courtyard with its four areas named after the berries Boysen used to invent the Boysenberry to support teachers in their role of facilitating learning that empowers students by giving them the conditions for optimal learning to take place. The physical environment is flexible with varied types of furniture and arrangements, areas for quiet individual work as well as areas for group work and collaboration. This supports a variety of ways for all students to engage in flexible and dynamic learning. The learning studios all open onto the learning commons with glazed sliding walls.

Goal 6: A combination of spaces supports VAPA: The commons for small student presentations, the MPR with a stage, the Outdoor Gathering and Performance Area as well as four outdoor zones named after Boysen's hybrid berries.

***Interior View: Research** innovation center*

***Interior View:** Multi purpose room*

RESULTS & OUTCOMES

Interior View: *Welcoming entry*

Interior View: Research *innovation center*

RESULTS & OUTCOMES

Interior View: *Flexible learning studio with lightweight furniture and multiple "fronts of the room"*

Interior View: *Learning commons as an extension of the learning studios to provide more space for different learning styles*

Exterior View: *Main entry and parent drop-off*