

# 2015 Exhibition of School Planning and Architecture

## Seagraves Elementary School

Category: New Construction

Seagraves Independent School District

Seagraves, TX

# Seagraves Elementary School





Site Plan

Site Plan





# Community Environment

“Many of the students rarely travel much beyond the community.”

- A large map node lies at the center of the learning neighborhoods, inviting students to contemplate life beyond their environment and dream.
- Outdoor classrooms feature areas for their performances, reading, gardening and discovery.
- A human sundial gives students and visitors a sense of time, the seasons and basic astronomy.





## Community Environment

Students see large flowers with a Sola Tube skylight center in the Multipurpose Instructional Area (MPIA) and a whimsical sun and playful clouds in the cafeteria.



“We need to reach our kids in a different way.”

District  
Superintendent

“Can you believe they built this just for me?”

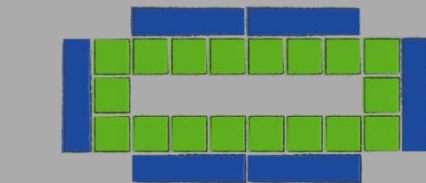
5<sup>th</sup> Grade Student on first day of school



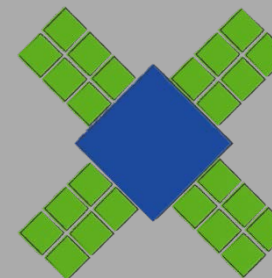


# Learning Environment

- Multipurpose Instruction Areas (MPIA) for each grade also house flexible, distributed library and computer resources.
- Flexible, distributed libraries (MPIA) save travel time for instruction - are used 90% of the day compared to 20% in the old school's central library.
- Reading materials, laptops, flexible furnishings and space for “maker” activities is provided in each MPIA



Distributed Library Concept





# Learning Environment

- Co-teaching, enrichment, and project based learning opportunities are flourishing in learning neighborhoods that are open 70% of the time.





**Physical  
Environment**

**Translucent Wall Panels**

**Reflective roof reduces heat island effect**

**Skylight / Sola Tubes**

**Xeriscape**

**Well-water Irrigated  
Drought-Tolerant Grass**

**Fire access lane is  
constructed of grass pavers**

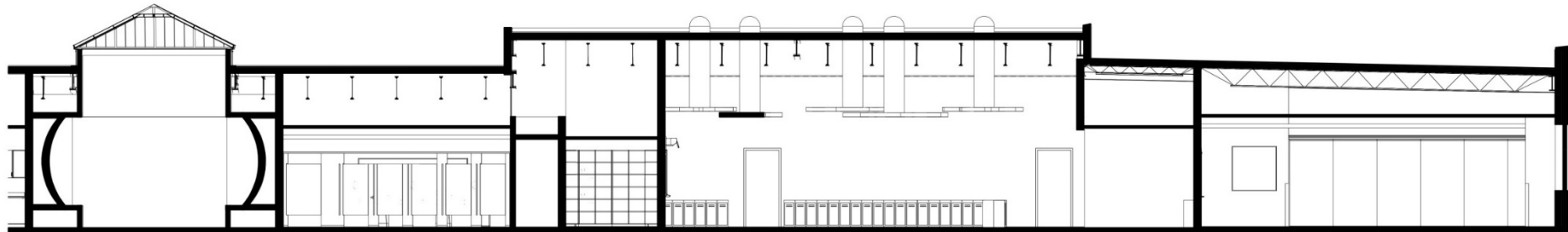
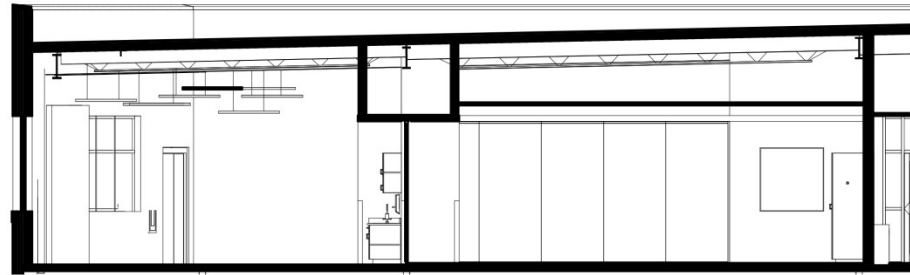
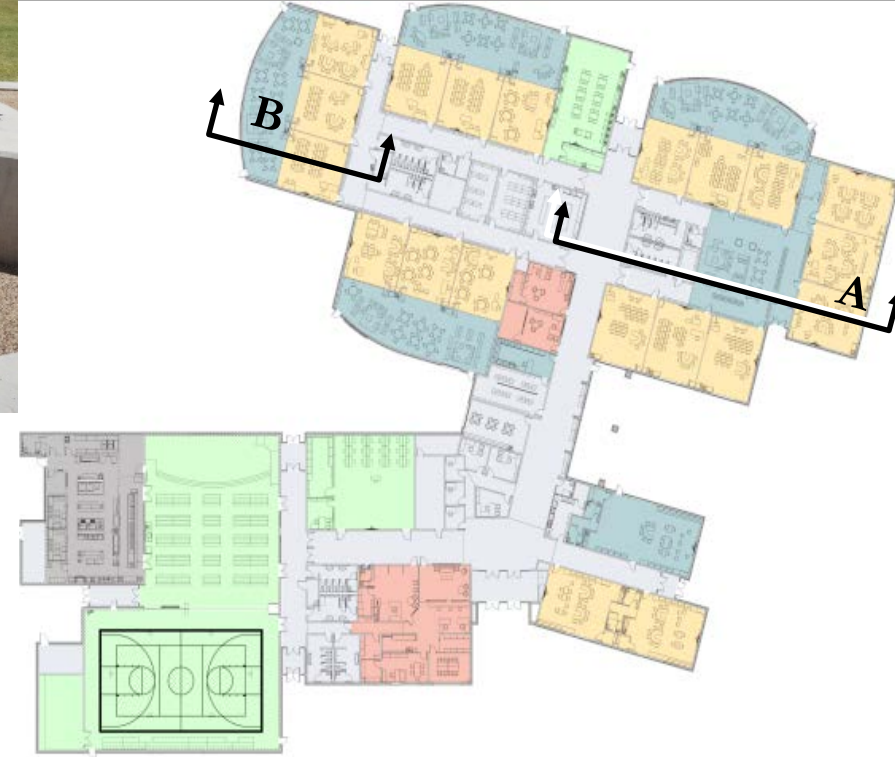
**Sustainability**





# Physical Environment

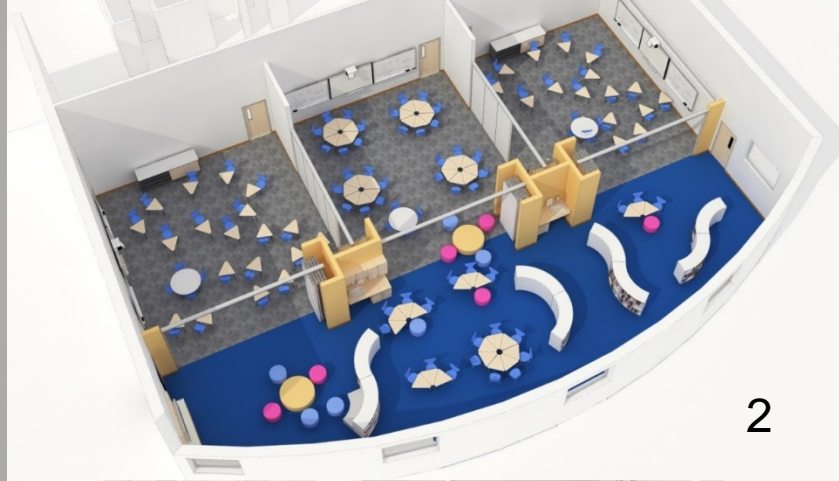
- Outdoor science classroom has planting beds with drip irrigation, composting bins and a human sundial.
- Sola tubes, skylights and efficient LED fixtures stimulate instruction on sustainable light sources.





# Planning Process

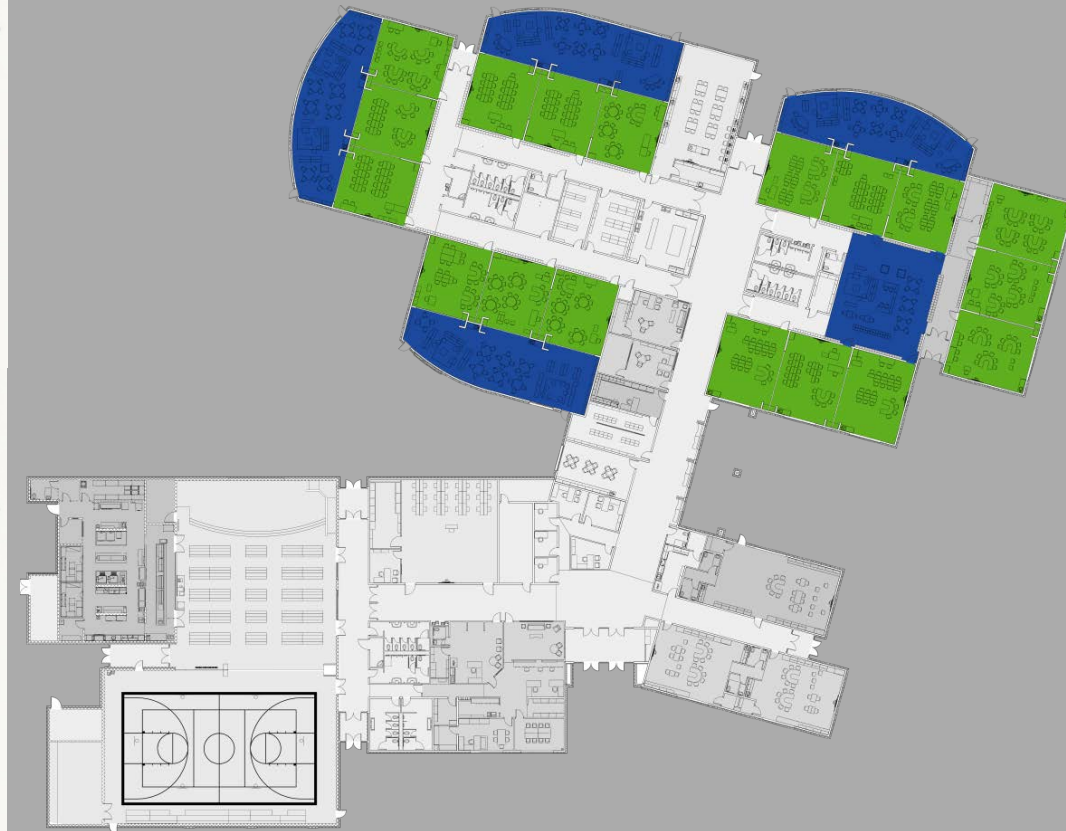
- Each grade is organized into a learning neighborhood that includes a Multipurpose Instruction Area (MPIA) with three classrooms.
- Operable, acoustic partitions open classrooms together and into the MPIA.
- Design incorporated District's Schlechty Center Training on co-teaching and collaboration



1) Neighborhood Closed

2) Neighborhood Partially Open

3) Neighborhood Open





# Planning Process

Charrettes with lead educators, administrators and community members considered:

1. Schlechty Center training on co-teaching and collaboration
2. Learning neighborhoods
3. Distributed libraries and flex labs
4. Flexible furnishings selected based on student movement and multiple learning modalities
5. Outdoor learning spaces



# “Dream Big”

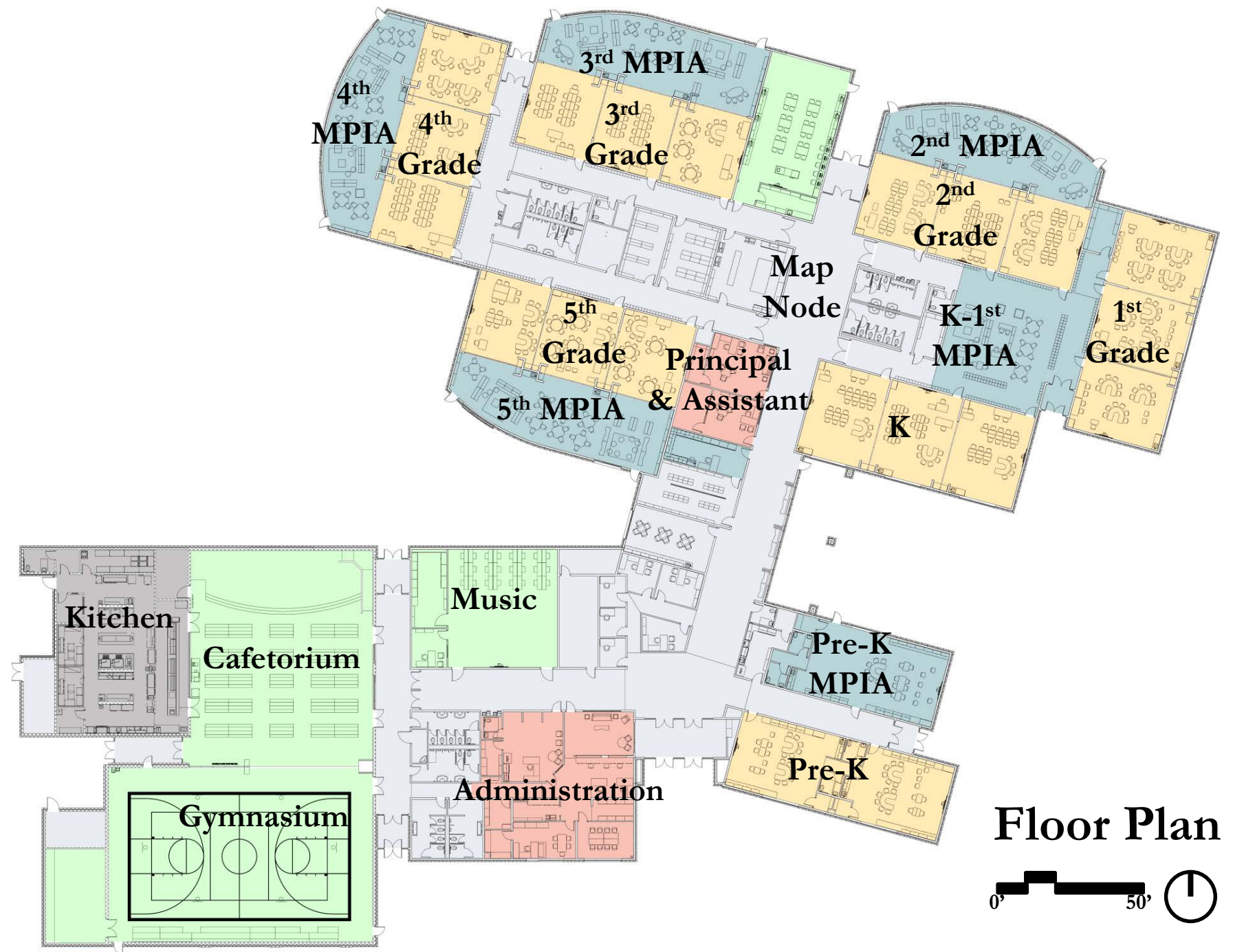
School Board Member



# Floor Plan

## Multipurpose Instruction Area (MPIA):

- Distributed Library
  - Maker Space Activities
  - Computer Lab
  - Project-based Learning
- The Principal & Assistant Principal Offices are centrally located in the Academic Area – ensuring educator collaboration and enhancing interactivity with the student body.





# Exhibition of School Planning and Architecture

## Project Data

Submitting Firm :	Parkhill, Smith, and Cooper
Project Role	Architect
Project Contact	Jeff Reed: jreed@team-psc.com
Title	Project Architect
Address	4222 85 <sup>th</sup> Street
City, State or Province, Country	Lubbock, TX 79423
Phone	Work: (806) 473-2200

Other Firm:	Fanning Fanning & Associates Inc
Project Role	Mechanical, Plumbing, Electrical
Project Contact	Doyle Fanning
Title	Project Engineer
Address	2555 74 <sup>th</sup> St
City, State or Province, Country	Lubbock, Tx
Phone	(806) 745-2533

Other Firm:	Foodservice Design Professionals (FDP)
Project Role	Kitchen Consultant
Project Contact	Lance Brooks
Title	Project Manager
Address	2655 Villa Creek Dr., #233
City, State or Province, Country	Dallas, TX 75234
Phone	(972) 245-5300

Construction Firm:	Sandia Construction
Project Role	General Contractor
Project Contact	Greg Durbin
Title	President
Address	2723 81 <sup>st</sup> ST.
City, State or Province, Country	Lubbock, TX
Phone	(806) 475-9450



# Exhibition of School Planning and Architecture

## Project Details

<b>Project Name</b>	Seagraves Elementary School
<b>City</b>	Seagraves
<b>State</b>	Texas
<b>District Name</b>	Seagraves Independent School District
<b>Supt/President</b>	Dr. Kevin Spiller
<b>Occupancy Date</b>	October 2014
<b>Grades Housed</b>	Pre-k – 5th
<b>Capacity(Students)</b>	500
<b>Site Size (acres)</b>	7
<b>Gross Area (sq. ft.)</b>	68,790
<b>Per Occupant(pupil)</b>	137.58
<b>gross/net please indicate</b>	Gross
<b>Design and Build?</b>	
<b>If yes, Total Cost:</b>	\$11,391,712
<b>Includes:</b>	Building, Site development, Playground equipment, Food service equipment, Telephone system
<b>If no,</b>	
<b>Site Development:</b>	
<b>Building Construction:</b>	
<b>Fixed Equipment:</b>	
<b>Other:</b>	
<b>Total:</b>	\$11,391,712



# Story Telling

The drive for a new building was student centered  
- to get a school that both facilitated and  
celebrated engagement in the learning process.





Designed for 20 unique learning modalities and individual learning styles.





# EXPLORER

"...space to explore their own education."

Teacher during Design Charrette







“Test scores are way up...”

School Principal