Conference Report

DEKKER PERICH SABATINI | ARCHITECTURE DESIGN INSPIRATION

Project No.: 14-0071.001
Project: **Artesia Public Schools On-Call**
Date: October 14, 2014
Place: Special Systems Room at Artesia High School

Attending: See attached sign-in sheet
By: Shannon Parks

Copies To: All Committee members, Pearl Lopez (APS) & File
Issue Date: 10/16/14

Discussion Items:

1. Project update:
    a. The site survey is ongoing.
    b. D/P/S will coordinate with the city regarding 13th St improvements. At this point, it appears there is time before Artesia begins serious work on the area.
    c. All reviewed the project goals:
        i. **Function**
            1. Safe and secure
            2. Robust technology
            3. Plenty of daylight
            4. Wide circulation and common areas
            5. Inviting atmosphere
            6. Flexibility
        ii. **Identity/Image**
            1. Show piece
        iii. **Relationship to site/community**
            1. Closed campus
        iv. **Long term operations**
2. D/P/S reviewed the updated site analysis. The committee provided the following feedback:
    a. APS would prefer to keep the parking lot south of the pit untouched. This area should not be considered a possible location for the new Freshman HS.
    b. Travel times from the proposed Freshman HS site to the HS choir/band spaces and drafting classroom in the science wing are 7-9 minutes. The travel time factors in about a minute for students to cross 13th Street. The high school has 6 minutes between periods.
    c. D/P/S to look into ADA requirements for a pedestrian bridge.
    d. The APS owned property south of the high school along Richardson Ave could be considered a potential site for Freshman High School, although the site across 13th St is preferred.
        i. Students would not have to cross 13th St
        ii. Demolition of Annex would be required
3. D/P/S reviewed the utilization study done on the 9th grade spaces and high school buildings. The committee members had the following comments:
    a. Ninth graders only use Annex spaces for ESL.
    b. No ninth graders use the HS wood shop. The JHS woodshop has 6 sections, but the enrollment in the program is declining. The HS woodshop has two sections.
    c. Ninth graders do use the drafting space in the shop building.
    d. No ninth graders are in the HS choir program. Though utilization shows that the HS Choir/Band spaces could handle the both the JHS and HS programs, the travel time between buildings makes the possibility less feasible.
    e. Ninth graders use weight room at HS during 1st period. Committee members want weight room at Freshman HS for Weight Training and PE classes. Weight room at Jr High is used 5 periods per day.

4. Based on the existing utilization and user interviews, D/P/S developed a preliminary program. The program shows state adequacy minimums for reference only as well as the proposed spaces. The program identifies all spaces and their sizes to be part of the new building. This will likely need a couple rounds of edits, but it will begin to inform the size of the new Freshman HS so that a location can be identified and presented to the School Board. Committee members had the feedback:
    a. General classrooms:
        i. The Freshman HS does not need a dedicated computer lab, but a "float" space that is sized and designed like a typical classroom.
        ii. The ISS space should be sized for 12 students and be adjacent to a restroom. This space could be located by the administration.
        iii. An additional classroom is needed for Spanish and other electives/languages added in the future.
        iv. Foreign language program might expand in the future to include languages other than Spanish.
    b. Science Classrooms/Labs
        i. Three lab/classroom spaces are adequate.
    c. ISS
        i. 12 students is the maximum expected per day
        ii. Restroom is desired so they do not have to leave room during the day.
    d. Special Education:
        i. The D classroom is needed as well as the dedicated OT/PT space.
        ii. A testing space for 14 students is needed.
        iii. The half classrooms for B-C level classrooms are not needed because APS does full emersion and adds certified staff to classrooms where needed.
        iv. Is another classroom needed for ESL?
        v. Thad thought that the D level students will likely use laptops instead of desktops. D/P/S will interview teachers for their needs.
    e. Career and technical / Electives:
        i. It may not make sense to have a woodworking shop because the student enrollment in the programming is declining. The space should be left in the program for another CTE program to be added in future. Scott mentioned that woodshops have specific equipment requirements that would make retrofitting a woodshop in general classroom space impractical.
        ii. There are two shop sections at the HS and six at the Jr High.
        iii. The committee asked about the direction of CTE programs. D/P/S shared that research they have done shows that jobs in healthcare are growing the most. D/P/S can do a presentation about current trends and data supporting various CTE programs. Crit suggested that perhaps one of the local oil companies could participate in a program. Another committee member suggested that business be offered to students.
        iv. The driver's ed classroom is needed though it is only used for half of the day. It could be utilized by another program. The space should be designed like a typical classroom.
        v. Identify storage space for laptop charging carts and area to service the equipment.
    f. Media:
        i. Student "commons" should be identified in the program of spaces.
        ii. The lecture space should be designed similarly to the HS's theatre room and seat approximately 120.
    g. Performing Arts:
        i. Four practice rooms are needed for the choir/band spaces. Storage also needs to be identified. D/P/S will look at storage at HS for good example.
        ii. Storage is needed for the art room.
        iii. D/P/S will need to sit with each staff member again to learn more about the specific space requirements.
    h. Physical Education/ Athletics:
        i. The bleachers should be sized for 500 spectators each side of the court for a total of 1,000 seats.
        ii. Locker rooms:

1. PE locker rooms (1 male and 1 female) is to be included in the program:
    a. 100 lockers each
    b. One office each
    c. Showers – how many?
    d. Storage with one washer and two dryers
    e. Cody thinks visiting teams can use these locker rooms
2. Athletic locker rooms (1male and 1 female) is to be included in the program:
    a. 120 lockers each
    b. One office each that could accommodate 4 coaches
    c. Showers
    d. Storage – D/P/S to reference the JHS storage
    e. One washer and two dryers
    f. Classroom feel per Cooper's interview – this needs to be clarified
3. Cheerleading locker room is to be included in the program:
    a. 20 lockers
    b. Plenty of mirrors
    c. plenty of receptacles
    d. one office
    e. storage

iii. Training room to be adjacent to the athletic locker rooms to include:
1. Space for 4 tables
2. Sink
3. Storage
4. Ice machine
5. Used for boys and girls

iv. The gym should accommodate at least one full size basketball court and two practice courts and a volleyball court.
v. D/P/S will work with Cooper closely as the scope gets more defined.
vi. The committee liked the idea of the gym having separate access to support after hours use. It should be able to function on its own while the rest of the building is locked to the public.

i. Food Service:
    i. The cafeteria should be sized for 450 kids.
j. Support Spaces:
    i. The custodial space and general storage will need to increase.
k. Administration:
    i. The counselor's office should be increased to at least the size of the principal's office. The office should have room for 4-5 people to meet as well as storage.
l. Nurse:
    i. Space for two cots is required

5. The committee talked about adding a multipurpose room like the Special Services Room at the High School, but ultimately thought that it would not be necessary with the use of the theatre room, commons and the inclusion of conference space at the new administration building.
6. D/P/S reviewed some test fit diagrams to show how the spaces and their identified square footage may work. Also presented were various images and examples. Feedback included:
    a. All liked the amount of natural light and glazing into spaces. D/P/S will need to consider security and durability when designing heavily glazed spaces.
    b. All liked the student "commons" shown, but think it makes most sense for the space to be connected to the media center instead of a space like the cafeteria.
    c. The student representatives in the committee liked the idea of the student "commons" being accessible after hours for group meetings and homework. They also liked the example of nex+Gen which offered big open space for student but, also private areas that are still connected to the main space for students to work quietly.
7. Next Steps:
    a. D/P/S will be presenting to the school board on 10/27 the progress done to date along with possible siting options for the new building.

b. The steering committee will meet 10/29 at 4pm. D/P/S will present an updated program and siting options for the new building. Based on the feedback provided the building will be larger than the preliminary program presented.

DEKKER PERICH SABATINI
ARCHITECTURE DESIGN INSPIRATION

This report is assumed to be a true and accurate account of this communication unless notice to the contrary is received within 10 calendar days of issue.

End of Report

Artesia Public Schools | Freshman High School

Steering Committee Meeting | October 14, 2014

DEKKER PERICH SABATINI
ARCHITECTURE DESIGN INSPIRATION

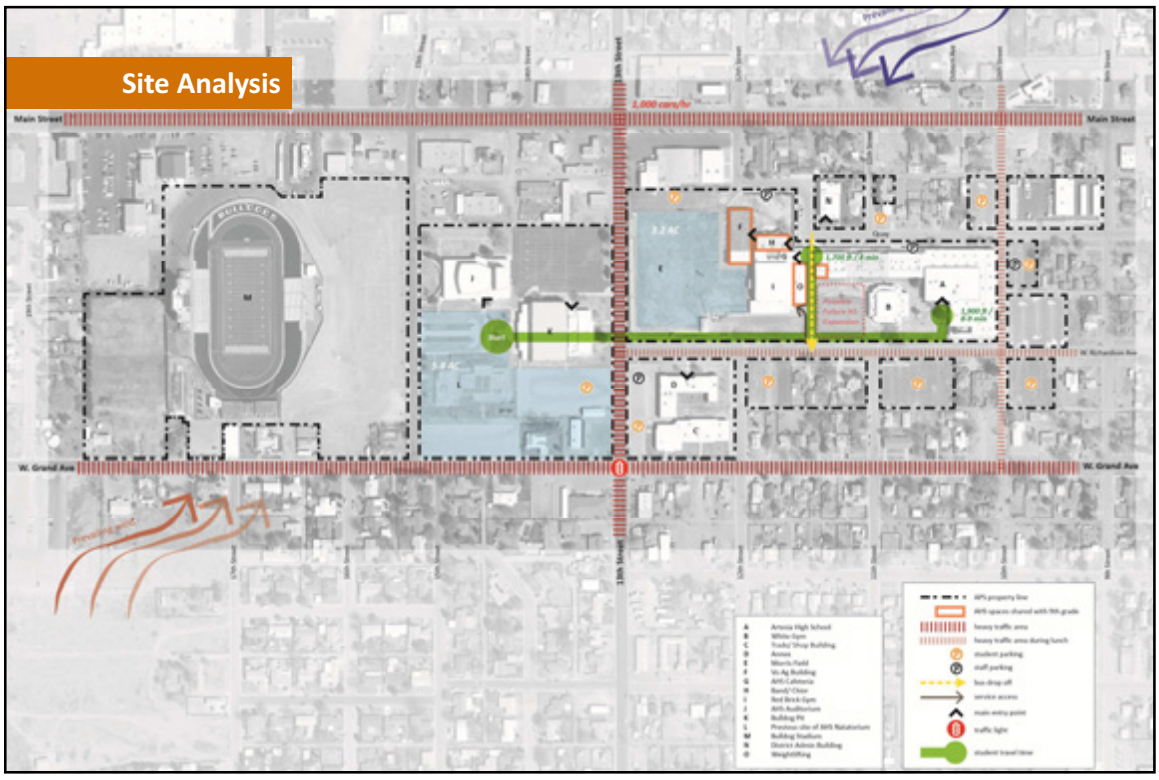
Agenda

1. **Project Update**
   - *Survey ongoing*
   - *13th st improvements*
   - *Project goals*
2. **Site Analysis**
3. **Utilization update**
4. **Preliminary program**
5. **Test Fits**
6. **Next Steps**

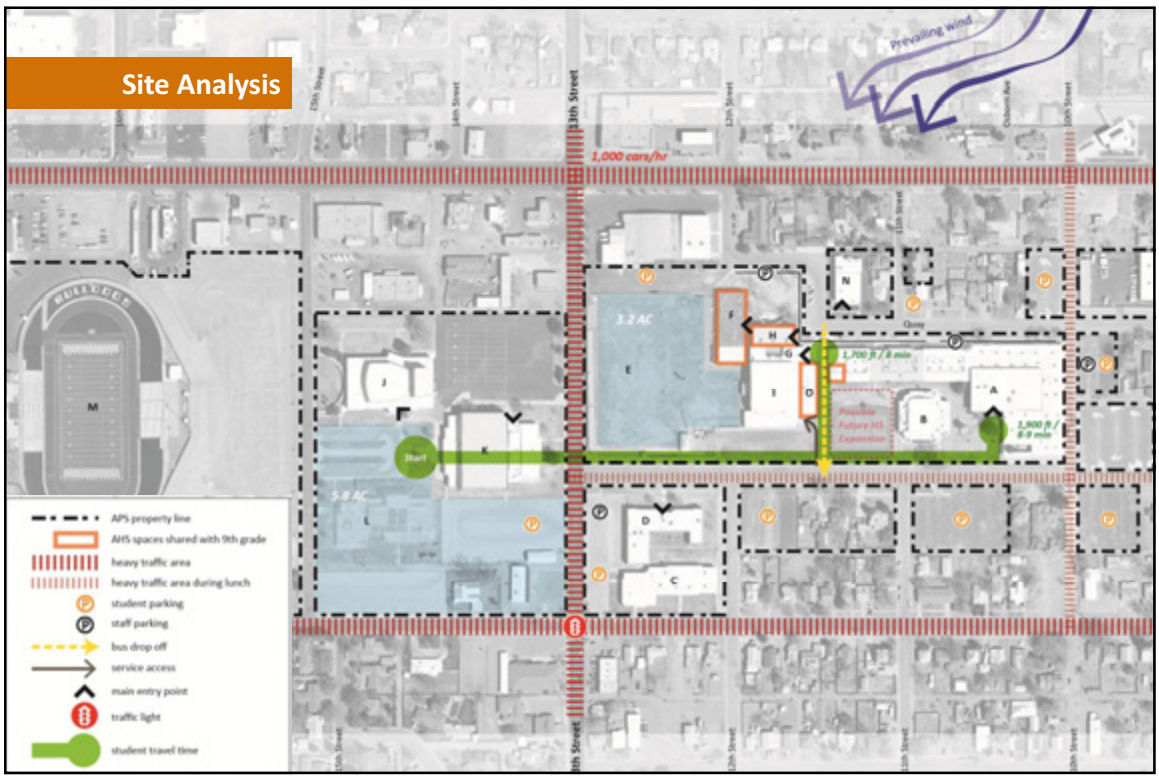
Goal Setting

- **Function**
  - Safe and secure
  - Robust technology
  - Plenty of daylight
  - Wide circulation and common areas
  - Inviting atmosphere
  - Flexibility
- **Identity/Image**
  - Show piece
- **Relationship to site/community**
  - Closed campus
- **Long term operations**

Site Analysis



Site Analysis



Utilization – 9th Grade Spaces

Overall Utilization	**82%**
• General classroom	90% *(includes spaces shared by 8th grade classes)*
• Gymnasium	86%
• Electives/Specialty Classes:	60%
o Family consumer science	100%
o Wood working	100%
o Computer lab	71%
o Weight training (not in gym)	29%
o ESL	29%
o band/chorus spaces	29%

Utilization – High School Spaces

Overall Utilization	**82%**	
• Main High School Building	87%	
• Choir/ Band	36%	*(some 9th graders integrated in this program)*
• Vo Ag Building	100%	*(some 9th graders integrated in this program)*
• Annex	72%	*(some 9th graders integrated in these programs)*
• Shop	72%	*(some 9th graders integrated in these programs)*

Utilization – Shared Spaces

- Existing utilization – Choir/ Band
  - *HS Choir = 43%* *HS band = 29%*
  - *JHS Choir = 29%* *JHS band = 29%*
  - ***71%*** ***57%*** ***(utilization if shared)***
- Vo Ag Building
  - *JHS students already integrated*
- Annex
  - *JHS students already integrated*
- Shop
  - *HS Wood working: = 43%* *JHS = 100%*
  - *HS Drafting = 71%* *(9th graders already integrated?)*
- Other programs?
  - *Weightlifting?*

Preliminary Programming

Based on 400 students

	ADEQUACY				PROPOSED			
	New High School Compliance to PSFA Adequacy Standards for 400 Students				Design Program for 400 Students			current enrollment from grades 1-9 = 259 - 355
Description of Space	Qty.	Area Each	Net SF	PSFA Adequacy Standards & Comments	Qty.	Area Each	Net SF	
1.0 GENERAL CLASSROOM								
Core Classrooms (math, lang arts, soc studies)	9	810	7,290	*25 nsf + 2 nsf storage per student, 650 min sf*	9	900	8100	Additional float classroom(s)?; science and core will serve 360 kids
Science Lab	3	1,200	3,600	*4 nsf per student in program*	3	1800	5400	similar in size to zia based on interviews
Science Prep Room	2	80	160		2	150	300	
Computer Lab	2	1,200	2,400	*900 nsf min, 3 nsf/student*	2	1200	2400	can this be used as a homeroom?
ISS	1	810	810	*25 nsf + 2 nsf storage per student, 650 min sf*	1	900	900	
Total square footage			**14,260**				**17100**	
2.0 SPECIAL EDUCATION								
Spec Ed Classroom (type I; A, B, C Levels)	2	500	1,000	*450 sf minimum, 15 students max*	2	500	1000	14-29 students in B+C
Special Ed - (D level)	1	1,000	1,000	*450 sf minimum, 8 students max*	1	1000	1000	1-7 students in D
Kitchenette	1	80	80	*included in tare space*	1	100	100	
restroom	1	60	60	*included in tare space*	1	60	60	
OT/PT	1	500	500		1	500	500	
testing			0		1	250	250	how many student at a time?
Total square footage			**2,640**				**2910**	
3.0 CAREER AND TECHNICAL								
family consumer science	1	1,200	1,200	*650 nsf min, 4 nsf/student in program*	1	1200	1200	food lab needed? How does current space work?
woodworking/shop	1	1,600	1,600	*650 nsf min, 4 nsf/student in program*	1	1600	1600	
driver's ed classroom	1	1,200	1,200	*650 nsf min, 4 nsf/student in program*	1	900	900	
Total square footage			**1,200**				**1200**	

Preliminary Programming

	ADEQUACY				PROPOSED			
	New High School Compliance to PSFA Adequacy Standards for 400 Students				Design Program for 400 Students			
Description of Space	Qty.	Area Each	Net SF	PSFA Adequacy Standards & Comments	Qty.	Area Each	Net SF	
4.0 MEDIA CENTER								
Media Center	1	2,000	2,000	*minimum 2000 sf. 3nsf/student*	1	2000	2000	technology incegration? Computer lab/ dedicated work stations?
A/V Storage	1	175	175		1	250	250	
storage					1	400	400	
Office/workroom	1	400	400	*1 nsf/student*	1	400	400	
lecture space			0		1	1800	1800	assumed double classroom size - how many seats needed? What all will take place in this space?
Total square footage			**2,575**				**4850**	
5.0 PERFORMING ARTS								
Music/Band	1	2,000	2,000	*5 nsf/student*	1	2000	2000	
Storage/practice rooms							0	practice rooms required?
Art	1	900	900		1	1000	1000	one space sufficient? Technology incegration?
Total square footage			**2,000**				**2000**	
6.0 PHYSICAL EDUCATION								
Gym (basketball court)	1	6,500	6,500	*6500 for high school aged students*	1	6500	6500	
Bleachers	1	1,800	1,800	*1.5(400sf) x3 sf*	1	3600	3600	1x population (1200 seats)
Locker rooms	2	1,500	3,000		2	2000	4000	
office	2	150	300		4	150	600	
weightlifting			0		1	2000	2000	is this needed?
storage					1	500	500	what are the storage needs?
Total square footage			**11,600**				**17200**	
7.0 FOOD SERVICE / STUDENT DINING								
Cafeteria	1	6,000	6,000	*15 nsf/student*	1	6000	6000	assumed one seating to be able to align with HS bell schedule
Kitchen	1	1,700	1,700	*1,700 min sf, 2nsf per meal*	1	1700	1700	
Total square footage			**6,000**				**7700**	

Preliminary Programming

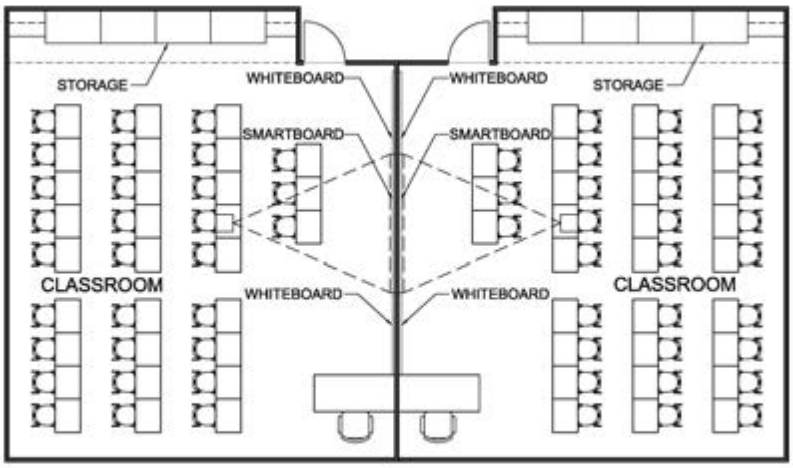
	ADEQUACY				PROPOSED			
	New High School Compliance to PSFA Adequacy Standards for 400 Students				Design Program for 400 Students			
Description of Space	Qty.	Area Each	Net SF	PSFA Adequacy Standards & Comments	Qty.	Area Each	Net SF	
8.0 SUPPORT AREAS								
custodian	1	200	200	*0.5 nsf/student*	1	300	300	
Central Storage	1	400	400	*1 nsf/student*	1	500	500	
Total square footage			**600**				**800**	
9.0 ADMINISTRATION								
Admin Suite	1	750	750	*150 nsf + 1.5 nsf by school capacity*			2000	
Lobby				*included in tare*	1	400	400	
Reception/Waiting	1	0	0	*part of admin suite*	1	500	500	
administrator			0		1	150	150	
Principal Office	1	0	0	*part of admin suite*	1	300	300	
Conference Room	1	0	0	*part of admin suite*	1	300	300	seats 10-12 people, is one adequate
Records Room	1	0	0	*part of admin suite*	1	150	150	
supply				*part of admin suite*	1	200	200	
Faculty Lounge	1	400	400	*1 nsf/student*	1	600	600	how many staff? Eat at one time?
Teacher Workroom	1	400	600	*1nsf/student 150 sf min*	1	600	600	could be scattered around building?
health	1	400	400	*1 nsf/student*	1	500	500	
Nurse Office	1	0	0	*part of clinic*			0	
Treatment/Cot Area with Curtains	1	0	0	*part of clinic*			0	
Clinic Storage	1	0	0	*15 sf min*			0	
Restroom	1	0	0	*part of clinic*			0	
Counselor Office	1	400	400	*1nsf/student*	1	250	250	storage requirements? Seating?
counseling space			0		1	200	200	CYFD, ancillary staff, what is needed in this space?
office for ancillary staff			0		2	150	300	diagnostician, speech, audiologist
SRO			0		1	150	150	
Total square footage			**2,550**				**4300**	

Preliminary Programming

	ADEQUACY				PROPOSED		
	New High School Compliance to PSFA Adequacy Standards for 400 Students				Design Program for 400 Students		
Description of Space	Qty.	Area Each	Net SF	PSFA Adequacy Standards & Comments	Qty.	Area Each	Net SF
NET BUILDING AREA (NSF)							
Total net square footage			29,825				58,060
TARE Percentage on Net Building Area			30%	*PSFA Maximum Allowable Tare*			30%
GROSS BUILDING AREA (GSF)							
Total Gross Square Footage			42,607				82,943

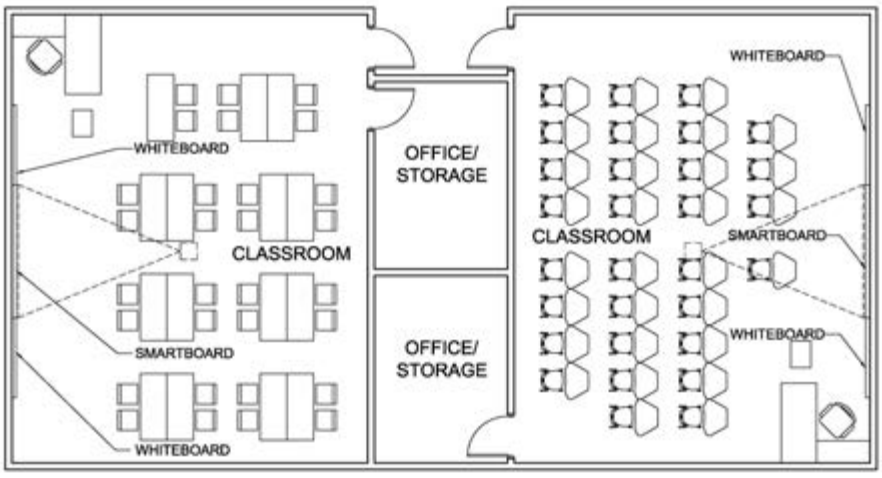
- Initial space estimate was approximately 80,662sf for 450 students based on state adequacy standards.
- Minimum state adequacy standards for 400 students = 73,487sf

Test Fits _ General Classrooms



- 900sf, 30 students
- Technology integration?
- Need for dedicated computer stations or laptop use?
- Storage requirements?

Test Fits _ General Classrooms



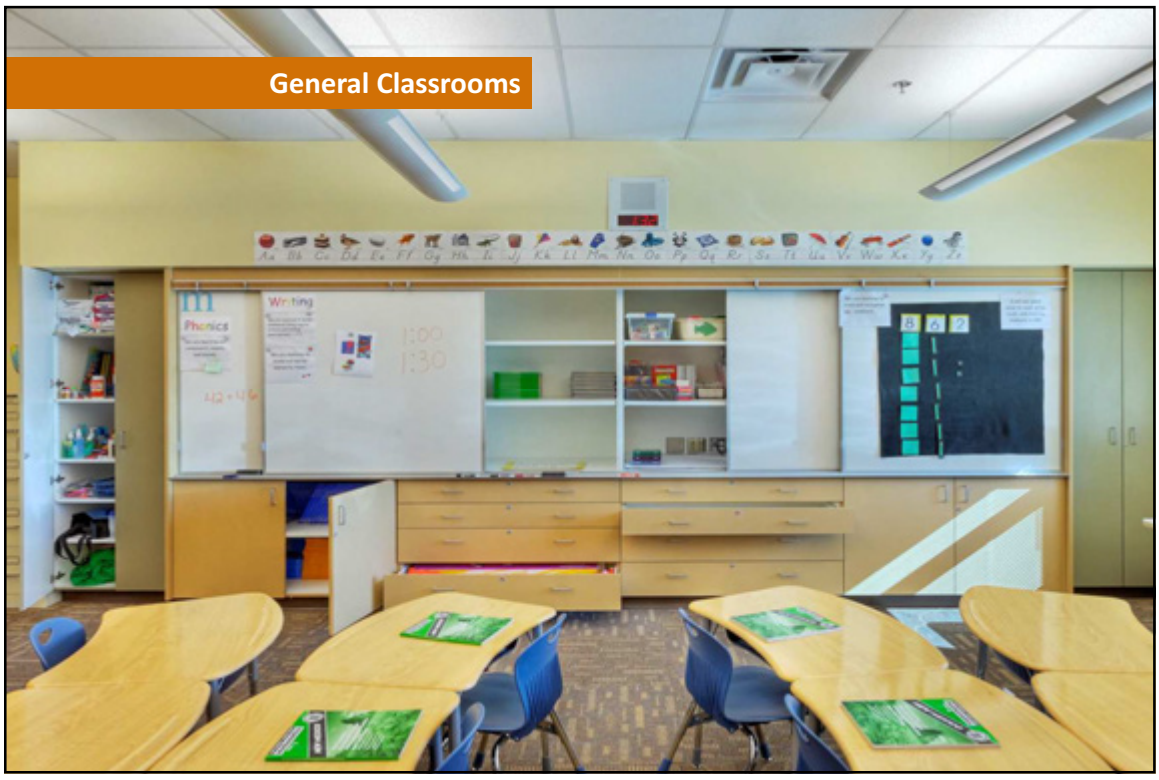
- 900sf, 30 students
- Technology integration?
- Need for dedicated computer stations or laptop use?
- Storage requirements?

General Classrooms

General Classrooms

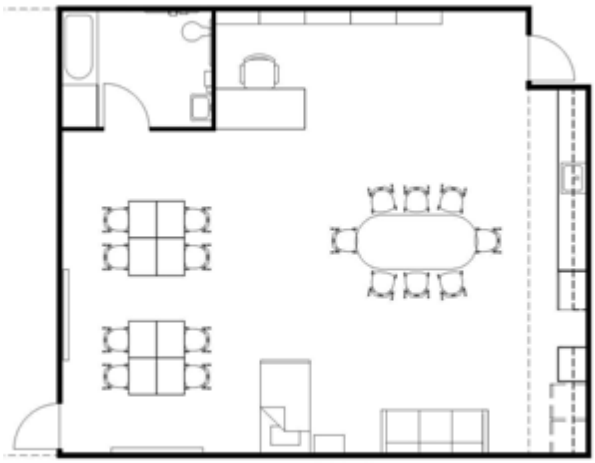
General Classrooms

General Classrooms



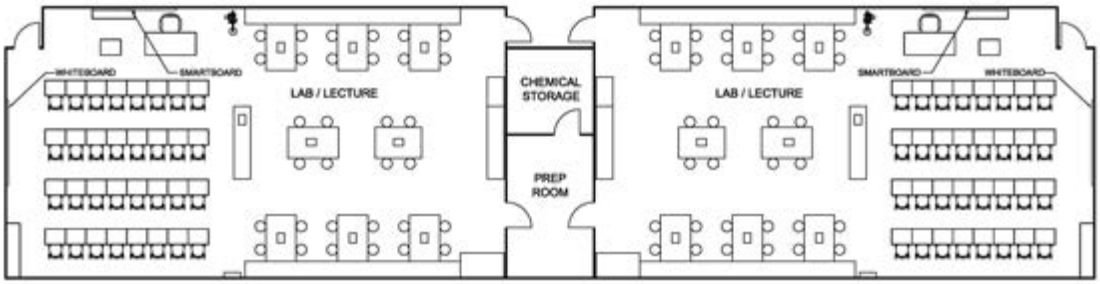
General Classrooms

Test Fits _ Special Education



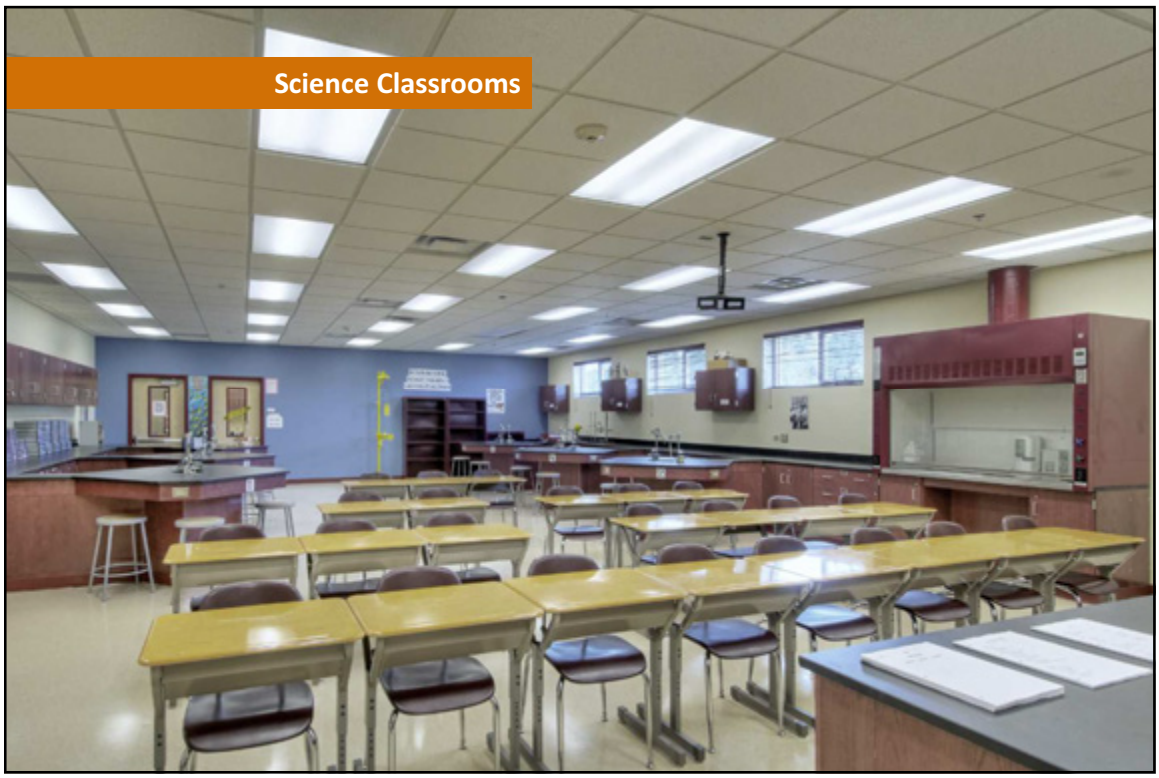
- 1000sf
- Dedicated storage required?
- Computer work – dedicated computer stations needed or use laptops?
- Proximity to other spaces: close to admin

Test Fits _ Science Classrooms



- 1600sf each
- Separate lecture and lab space each for 30 students
- Shared prep room and chemical storage

Science Classrooms



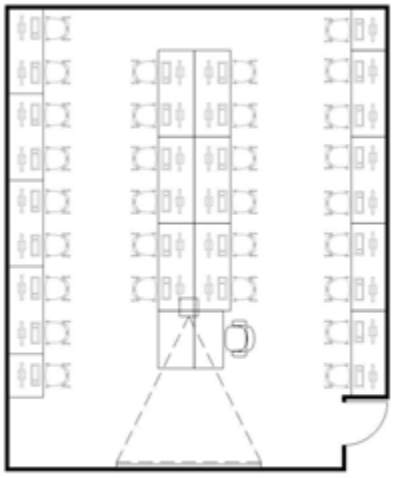
Science Classrooms

Science Classrooms

Los Alamos Middle School

Science Classrooms

Test Fits _ typical computer lab



- 900sf - similar to typical classroom
- Stations for 30 students
- Storage requirements?

Computer Lab

Computer Lab

Computer Lab

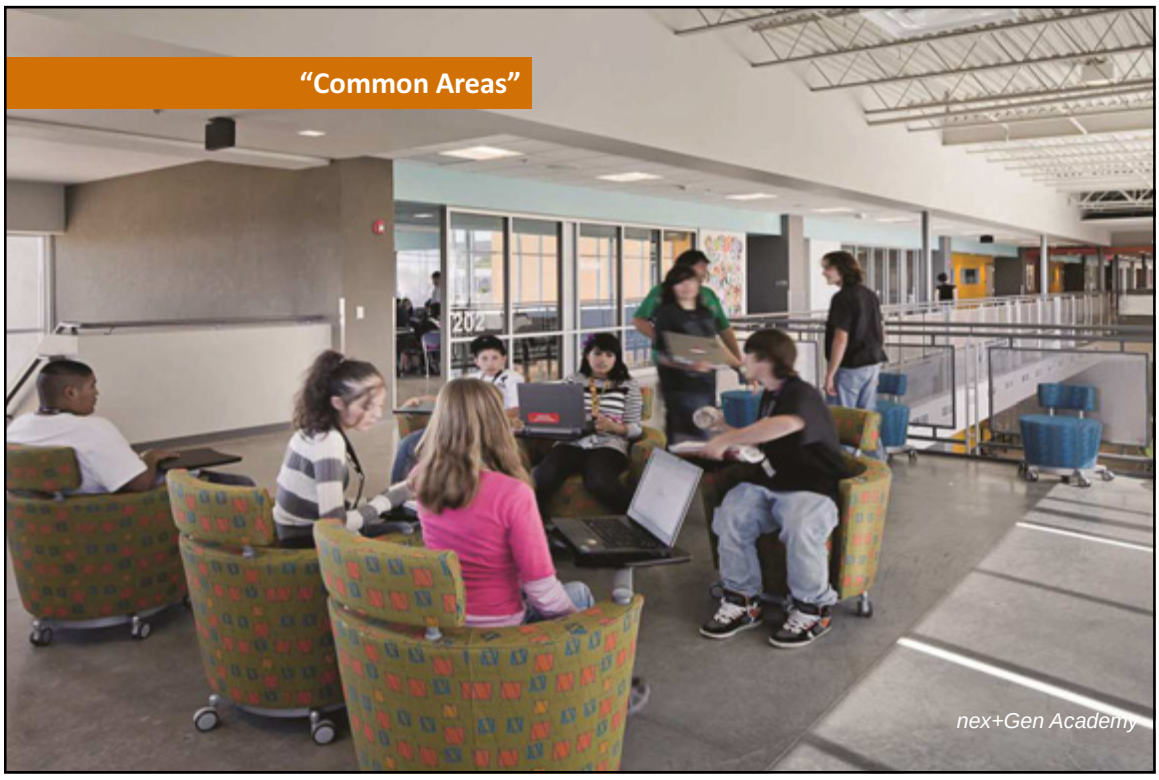
"Common Areas"

- Physical "heart" of the school
- Multi-purpose space linking major school components together
- Blurs traditional spatial boundaries
- Accommodates health and wellness activities
- The cultural and intellectual nucleus of the school

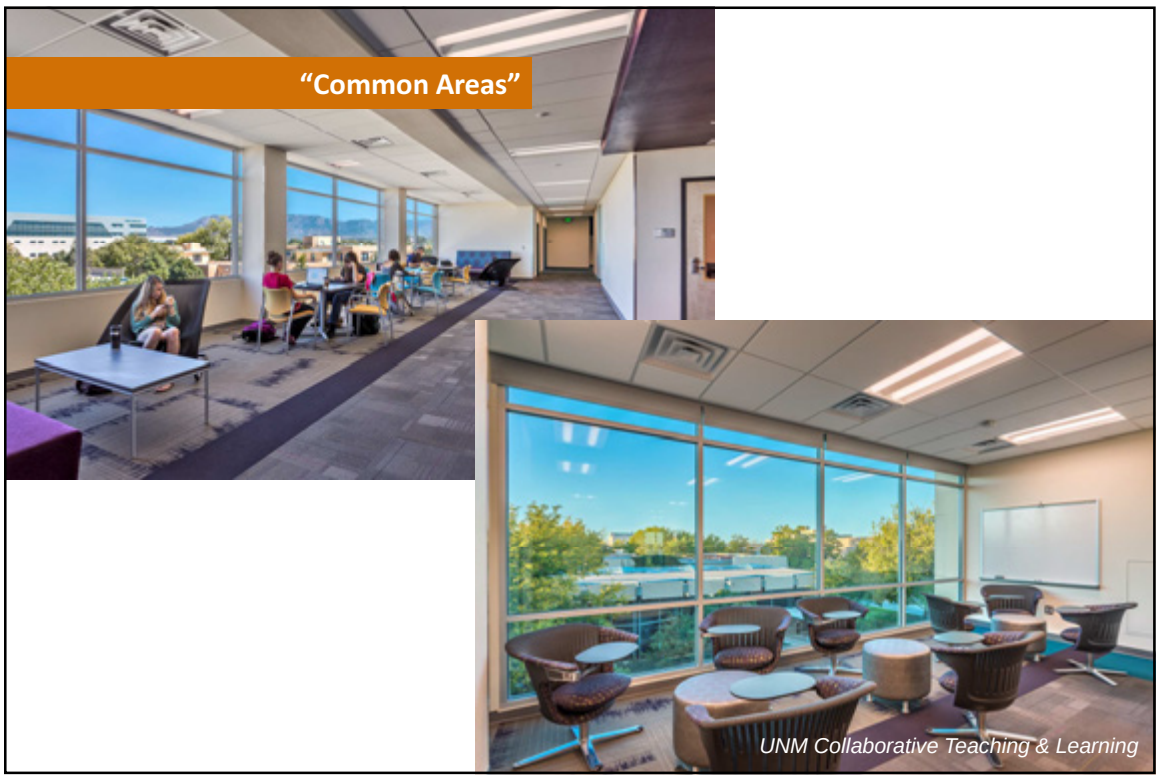
"Common Areas"

nex+Gen Academy

"Common Areas"

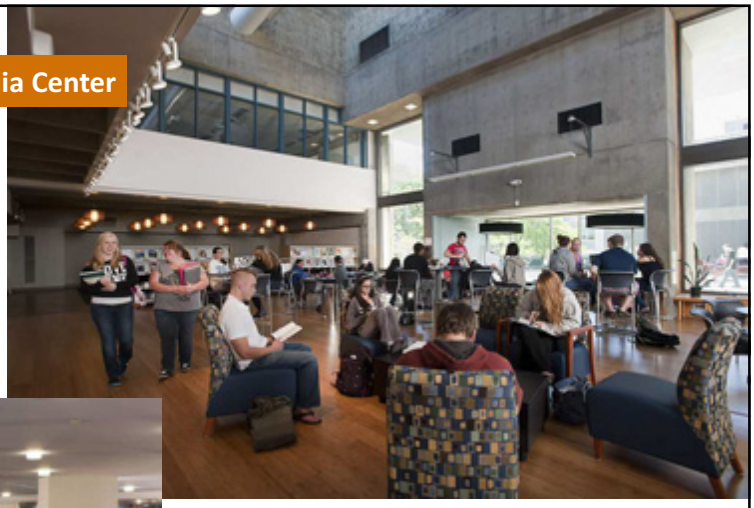


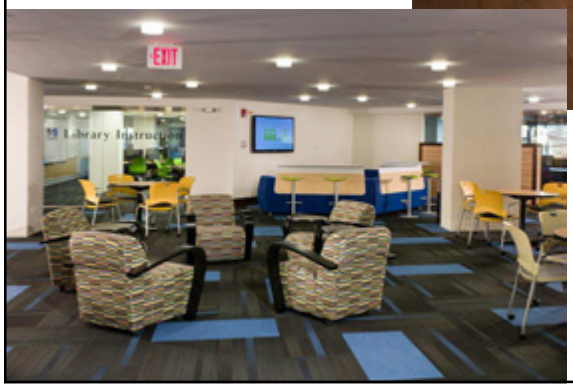
nex+Gen Academy


"Common Areas"
UNM Collaborative Teaching & Learning


"Common Areas"/ Cafeteria
Centennial High School

"Common Areas"/ Media Center





Media Center

Del Norte High School

Media Center