



NORTHSHORE SCHOOLS

Discovering Your Dreams

North Shore Central School District

2019 Capital Project

Community Forum No. 2

June 18, 2019

CS**ARCH**

Agenda



1. District priorities & goals
2. Process to date
3. Scope of Work
4. Design
5. Project Cost
6. Timeline
7. Discussion

Top Priorities

- Safety & Security
- Instructional space
- Infrastructure
- Energy Performance (through an EPC)

Goals

- Tax neutral
- Bold and Impactful
- Healthy, safe and efficient
- Contemporary, collaborative learning spaces

Top Priorities

- Safety & Security

Improve through architecture, technology and active measures



Top Priorities

- Instructional space

Review organization, enrollment projections and utilization of schools; create contemporary, collaborative learning space

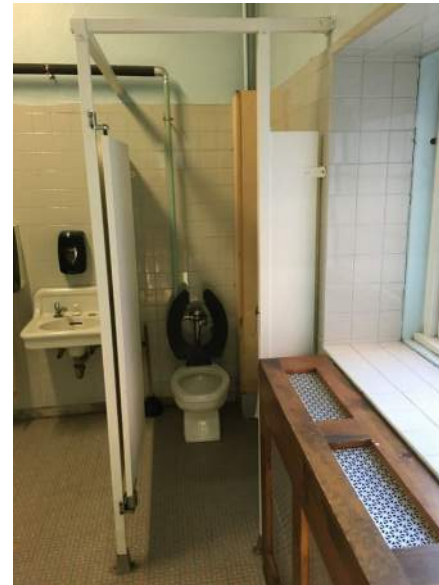


Top Priorities

- Infrastructure

Identify, prioritize short-term infrastructure needs from:

- Building Conditions Study and 5 Year Plan



Top Priorities

- Energy Performance Contract
Aligned with the capital project to maximize funding



Process to date

Exploratory Phase

- Visioning Sessions / Meetings through October 2018 to April 2019:
 - District Administration and Bond Steering Committee
 - Elementary, Middle and High School Principals
 - K-12 Technology, Humanities, and STEAM directors
 - Fine / Performing Arts and World Language representatives
 - Athletic Director, Guidance and Counseling leads
 - Follow up meetings with building principals:
 - Scope of work at each school
 - Design of instructional space(s)

Investigative / Assessment Phase

- Meetings / Site Visits through October 2018 to April 2019:
 - Security consultant meeting and school walk-throughs
 - Architectural team building walk-throughs with/without school principals
 - Design team BCS/5 Year Plan Review w/ administrative team
 - Infrastructure/EPC meeting with administrative team

School by school review: Identified scope of work

Glen Head Elementary School	Safety + Security	Instructional	Infrastructure	EPC	Health + Wellness
Nurse Suite renovations			●		●
Library renovations - including adjacent computer lab and access to outdoor space		●			
Maker space - transform existing space into true maker space/or relocate		●			
Renovations to bathrooms in classrooms 107, 109, 113 and 119; consider general classroom renovations			●		●
Secure entrance vestibule	●				●
Relocate OT/PT from room 103, and reclaim for classroom space, consider moving to ground floor		●			●
Auditorium renovations - reimagine use		●	●		
Relocate ground floor music spaces; rooms 010,012,018 and 019		●			●

Where are we now?

- Prioritized scope of work with Bond Steering Committee
- Reconciling project estimate
- Selected a site/civil consultant service firm
- Initiated communications w/ SED and started the preliminary plan review
- Reviewing Energy Performance Contract proposals received

Scope of Work



- Media Centers and STEAM Labs at each school
- MS additions and renovations
 - Assembly / Study Hall / STEAM Lab / Math & Coding lab
- HS renovations
 - Departmental reorganization creating;
 - Math & Science Hub and Humanities Hub
 - Better defined Technology Area
 - Choral / Band / Orchestra
 - Robotics Lab / Active Classroom / Break-out Rooms
 - Guidance / Special Education Life Skills & Testing

Non-Instructional

District Wide	Safety+ Security	Instructional	Infrastructure	EPC	Health + Wellness
Renovate Select Bathrooms			●		●
Add Transgender Toilet Rooms	●		●		●
Renovate Nurse Suite at GWL			●		●
Replace Aging Interior Doors/Door Frames/Hardware	●		●		
Secure Entrance Vestibules and Security Office	●		●		●
Add Permanent Cooling Systems To All Classrooms			●	●	●
Corridor Wall Tile Replacement (at GL)			●		
HS Connecting Corridor	●	●			
Enlarge HS Stadium Bleachers			●		
Replace Press Box			●		
District Office Exterior Repairs and Drainage			●		

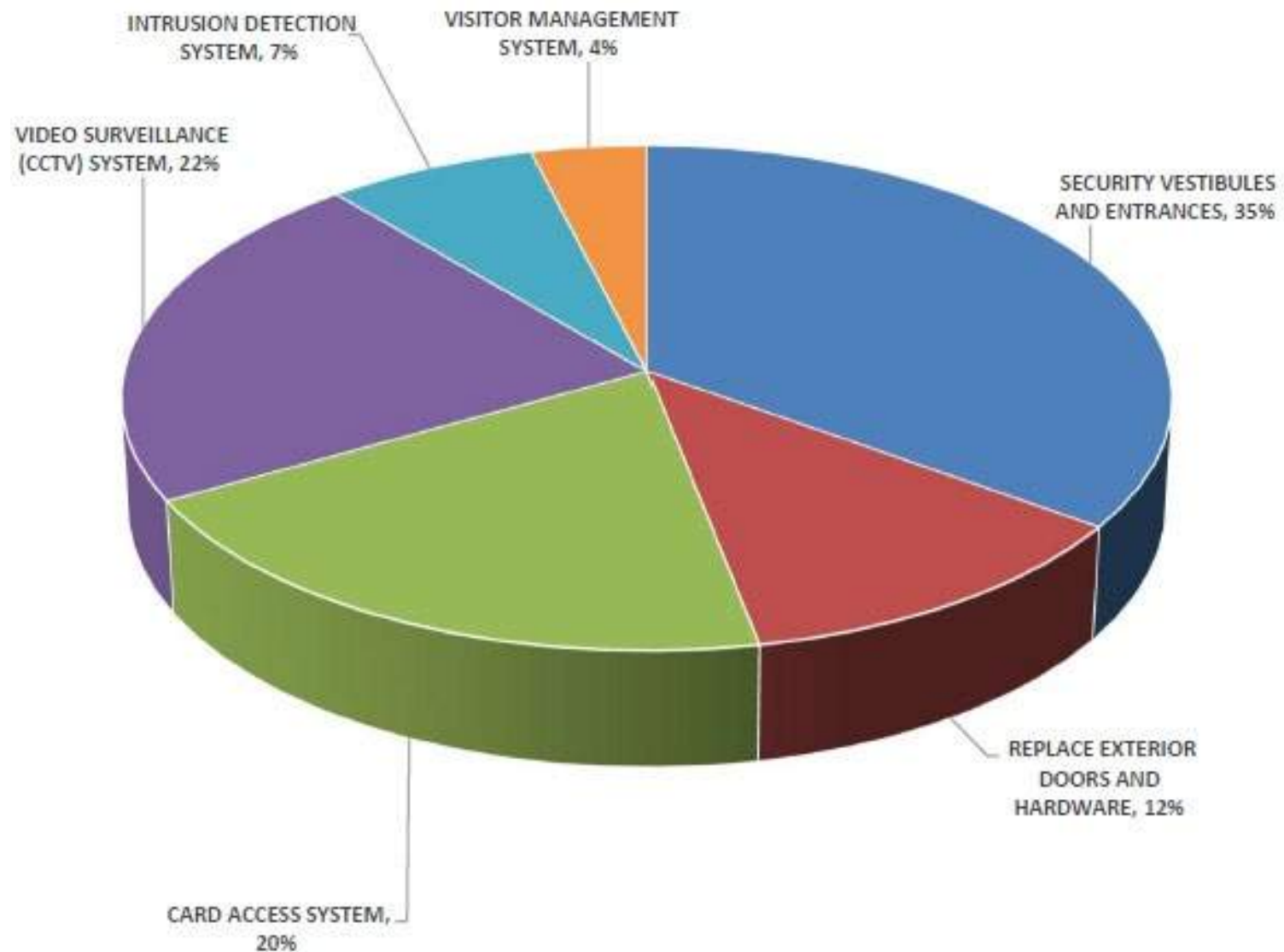
- Expand and enhance video surveillance systems
 - Expand camera coverage, replace headend, convert analog to IP cameras
- Upgrade card access systems
 - Replace/upgrade software and hardware
- Update existing intrusion detection systems
 - Replace select devices, re-cable system
- Integrate all security systems districtwide

Safety & Security



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Energy Performance Contract



- Interior & exterior lighting modernization
- Heating systems optimization
- Building envelope improvements
- HVAC controls optimization
- Plug load management
- Air conditioning
- Solar
- Potential for \$2.2M - \$5.3M project
- To be implemented concurrently w/ Capital project
- 3 proposals received (Ecosystem, Honeywell, Noresco)
- Currently evaluating for selection

Energy Performance Contract



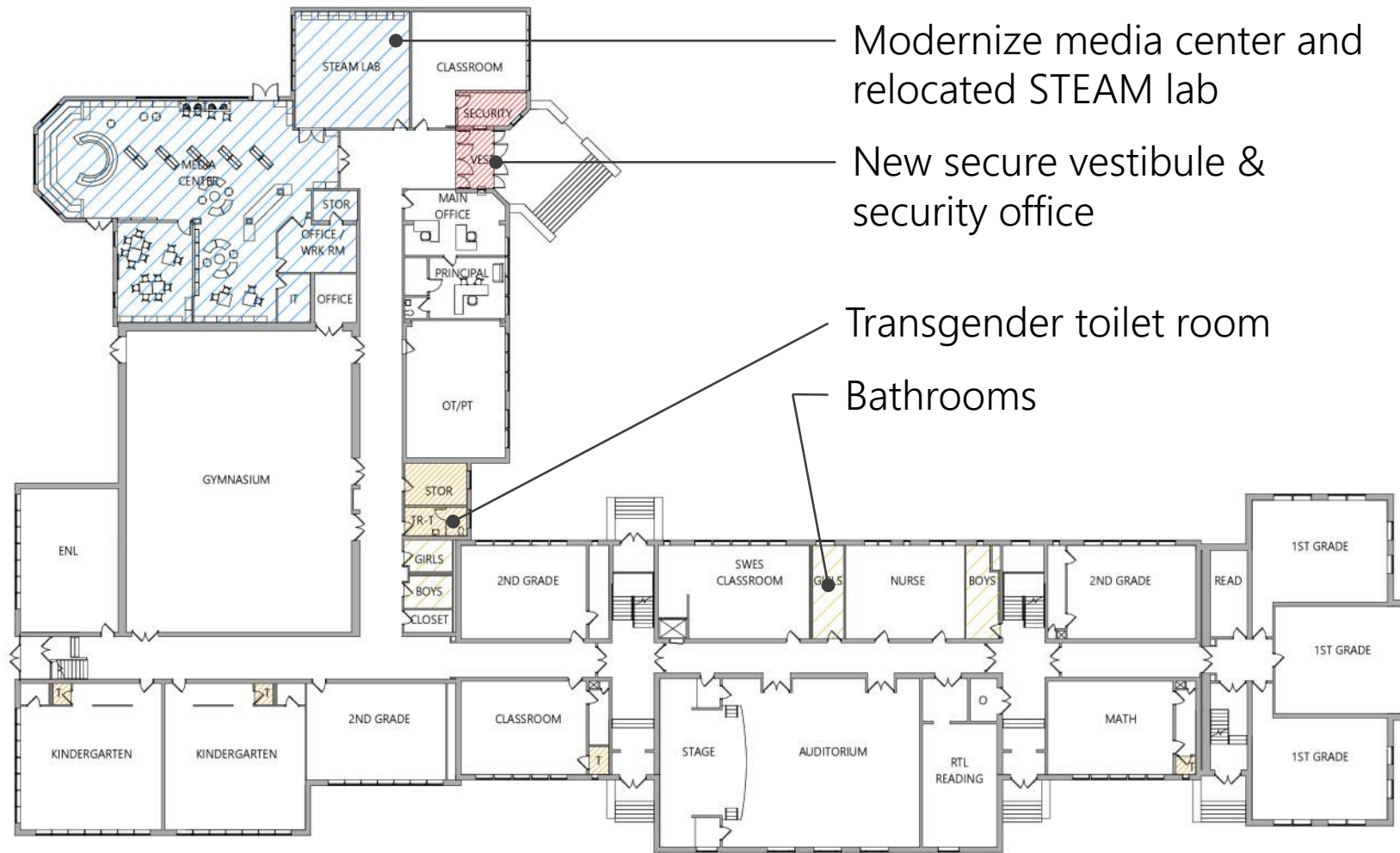
- Interior & exterior lighting modernization
- Heating systems optimization
- Building envelope improvements
- HVAC controls optimization
- Plug load management
- Air conditioning
- Solar

Why is this important?

- Efficient heating, cooling and ventilation **effect concentration, increase student task speed and lead to improved test scores.**

Glen Head Elementary

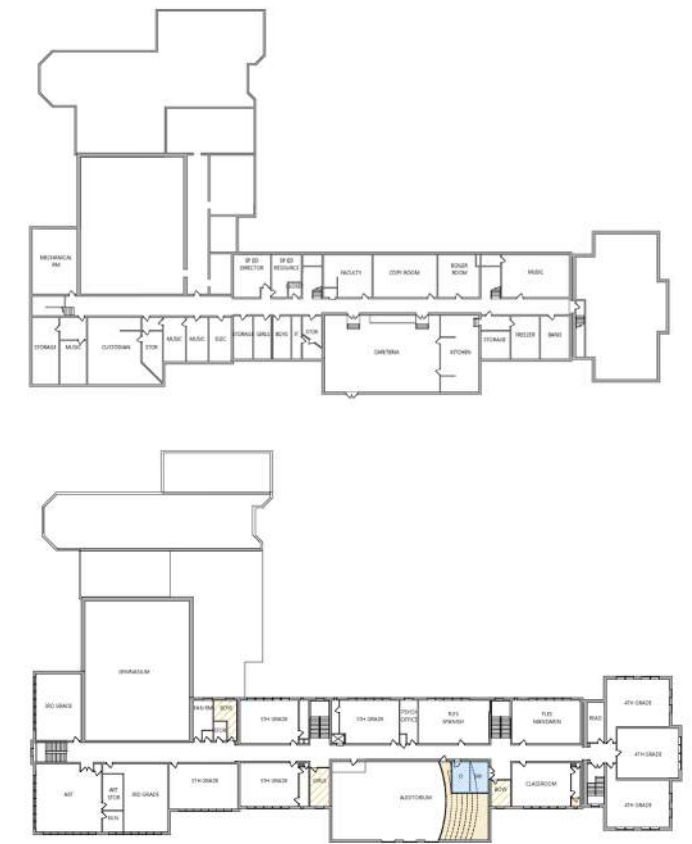
Scoping Plans



Modernize media center and relocated STEAM lab

New secure vestibule & security office

Transgender toilet room
Bathrooms



- New construction
- Major renovation
- Minor renovation

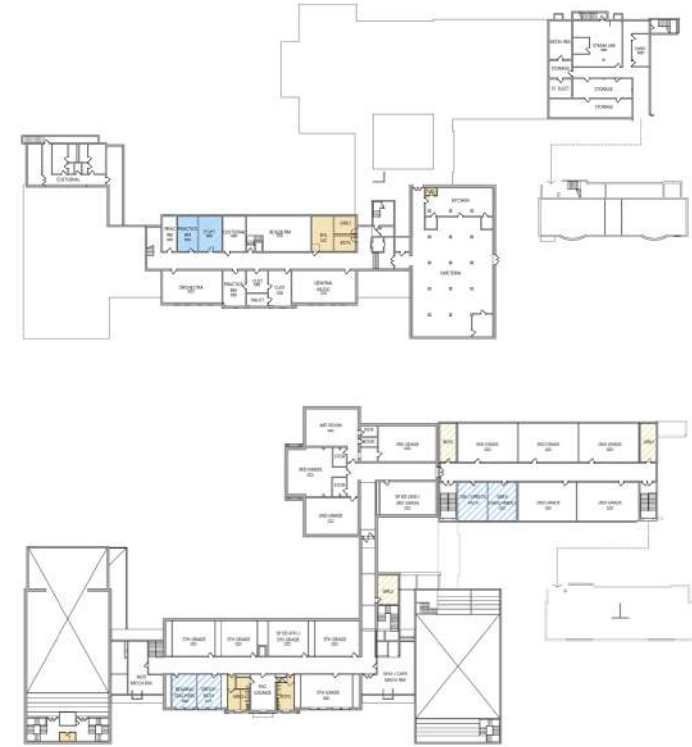
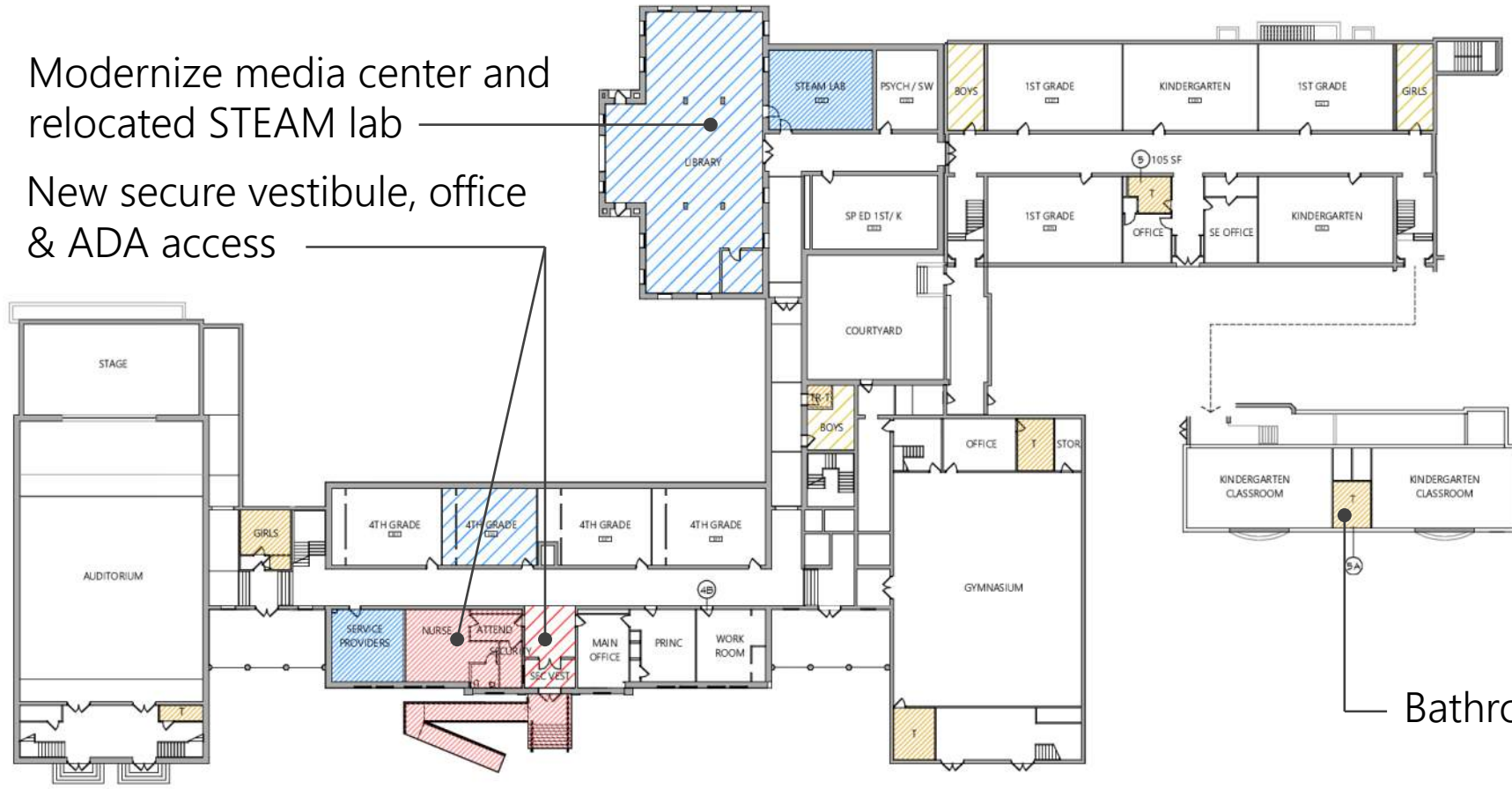
Priority categories
security instructional infrastructure

First Floor Plan

Glenwood Landing Elementary Scoping Plans

Modernize media center and
relocated STEAM lab

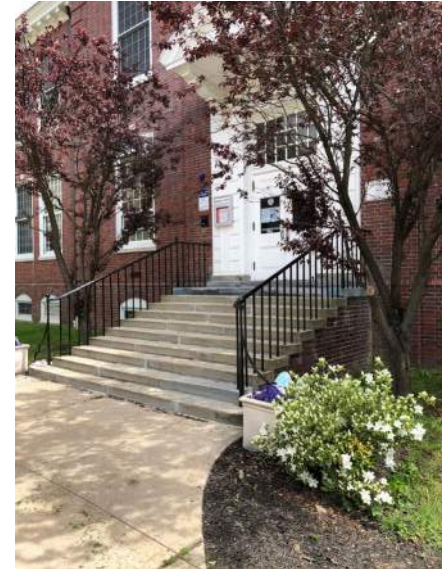
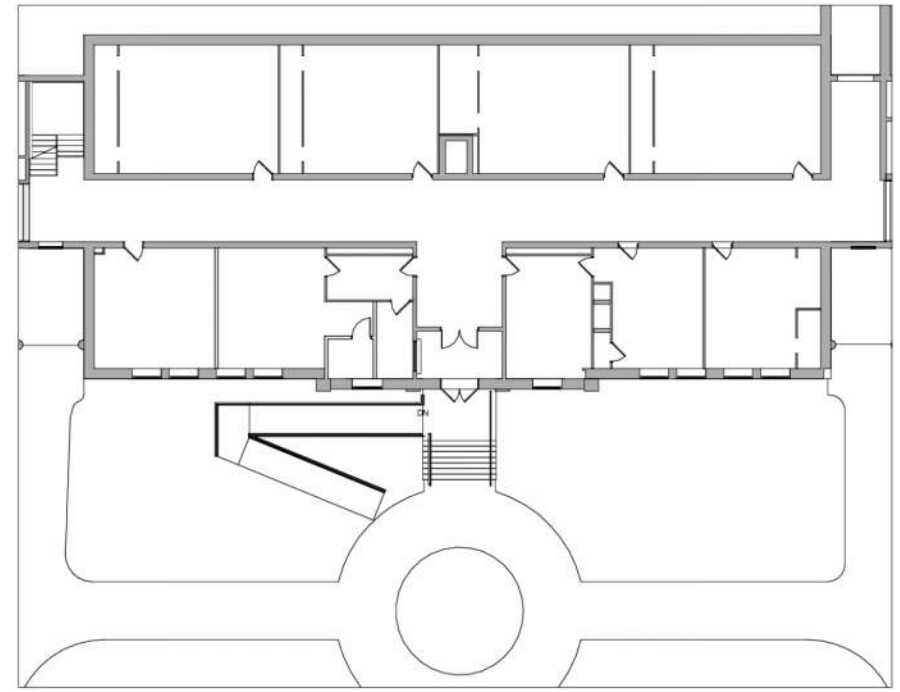
New secure vestibule, office
& ADA access



Bathrooms renovations

First Floor Plan

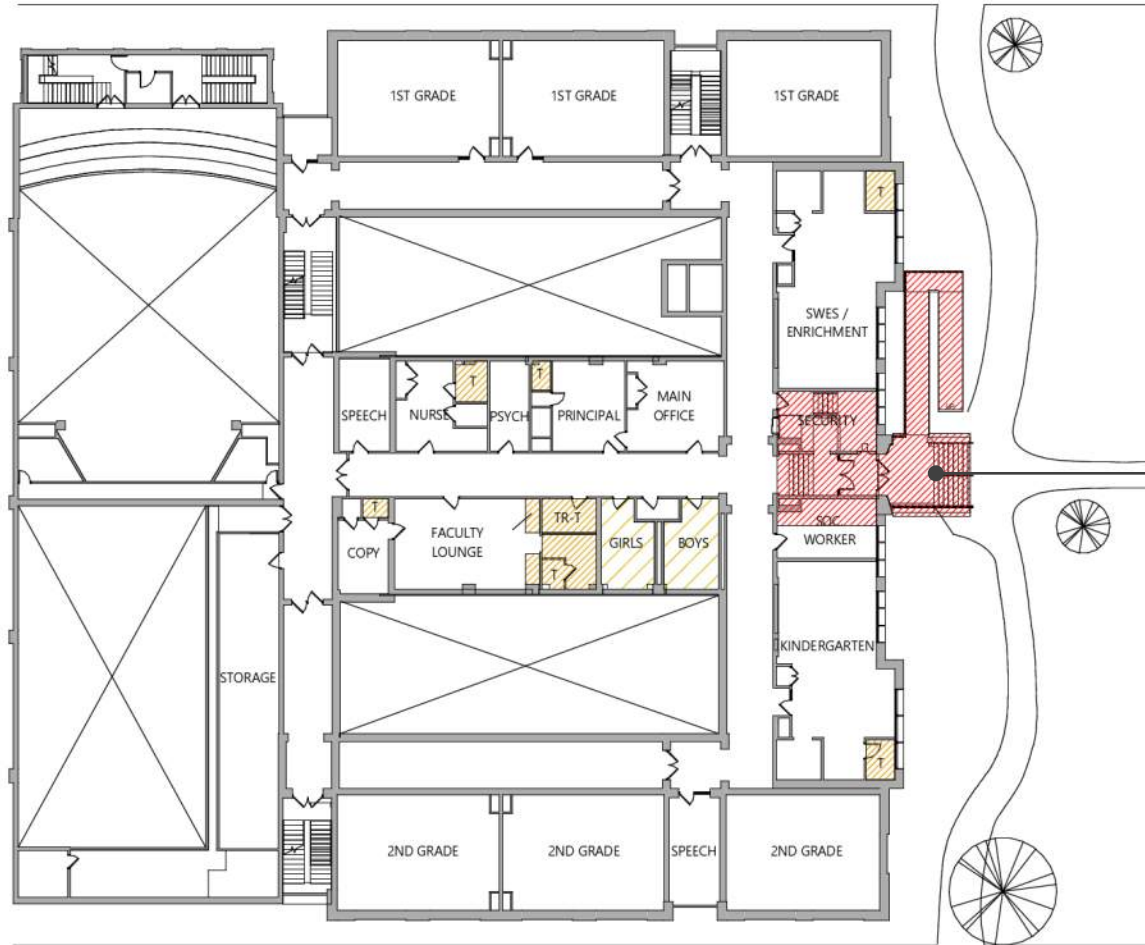
Glenwood Landing Elementary



New accessible front entrance ramp/stair and secure entrance vestibule

Sea Cliff Elementary

Scoping Plans

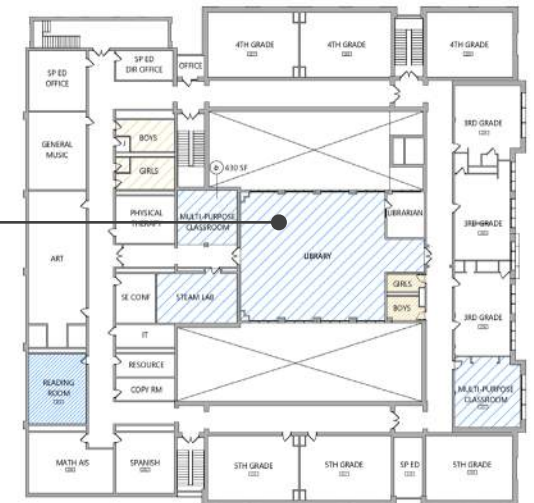


First Floor Plan

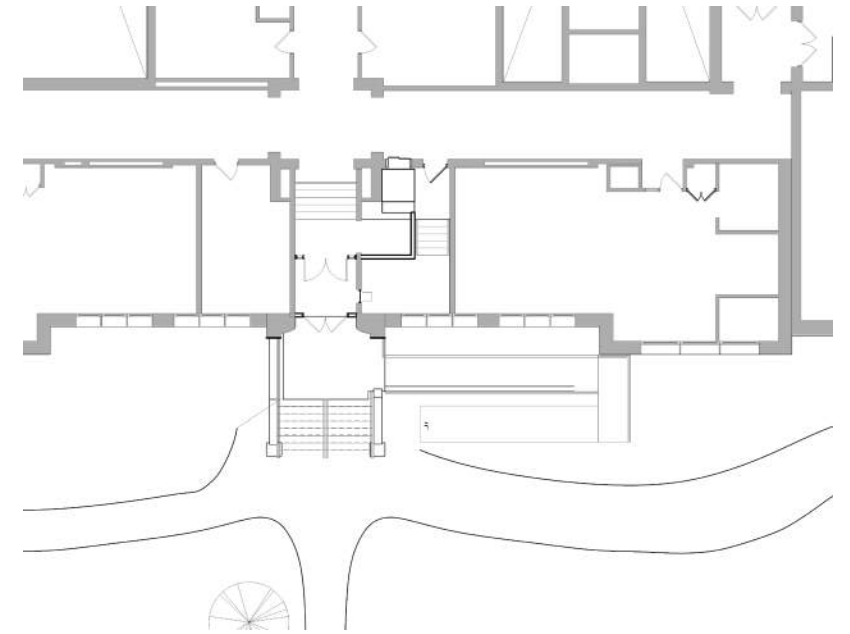
Selective bathroom renovations

New secure vestibule, office & ADA access

Modernize media center and relocated STEAM lab



Sea Cliff Elementary



New accessible front entrance ramp/stair and secure entrance vestibule

Elementary School Media Center & Maker Space

Today's Media Center & Maker Space serve multiple purposes and ALL students:

- Support Individual and collaborative learning
- Encourage engagement, hands-on creativity + problem solving



Today's Media Center & Maker Space serve multiple purposes and ALL students:

- Inspire natural curiosity
- Flexible with ample technology + mobility



Today's Media Center & Maker Space serve multiple purposes and ALL students:

- Age appropriate furnishings and furniture
- Abundant daylight
- Flexible for formal and informal study

Media Center Elements

1. Break-out Room
2. Group Reading Area
3. Reading Stacks
4. Informal Seating
5. Circulation Desk
6. Office/Work Room
7. STEAM Lab
8. Computer Stations



Today's Media Center & Maker Space serve multiple purposes and ALL students:

- Playful yet appropriate

Media Center Elements

1. Break-out Room
2. Group Reading Area
3. Reading Stacks
4. Informal Seating
5. Circulation Desk
6. Office/Work Room
7. STEAM Lab
8. Computer Stations



Today's Media Center & Maker Space serve multiple purposes and ALL students:

- Playful yet appropriate
- Support active and rest time

Media Center Elements

1. Break-out Room
2. Group Reading Area
3. Reading Stacks
4. Informal Seating
5. Circulation Desk
6. Office/Work Room
7. STEAM Lab
8. Computer Stations



Today's Media Center & Maker Space serve multiple purposes and ALL students:

- Playful yet appropriate
- Support active and rest time
- Flexible for individual and group gatherings

Media Center Elements

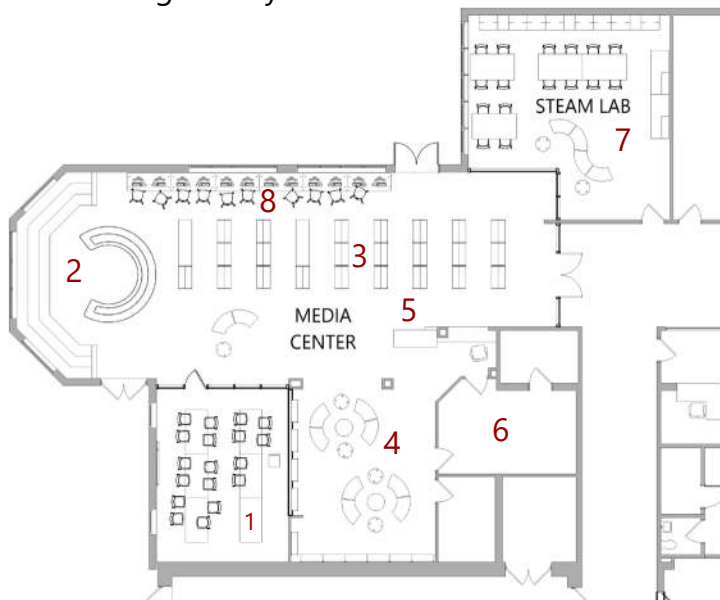
1. Break-out Room
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7. STEAM Lab
8. Computer Stations



Glen Head Elementary



Existing Library



Media Center/STEAM Room



Media Center Elements

1. Break-out Room
2. Group Reading Area
3. Reading Stacks
4. Informal Seating
5. Circulation Desk
6. Office/Work Room
7. STEAM Lab
8. Computer Stations

Glen Head Elementary



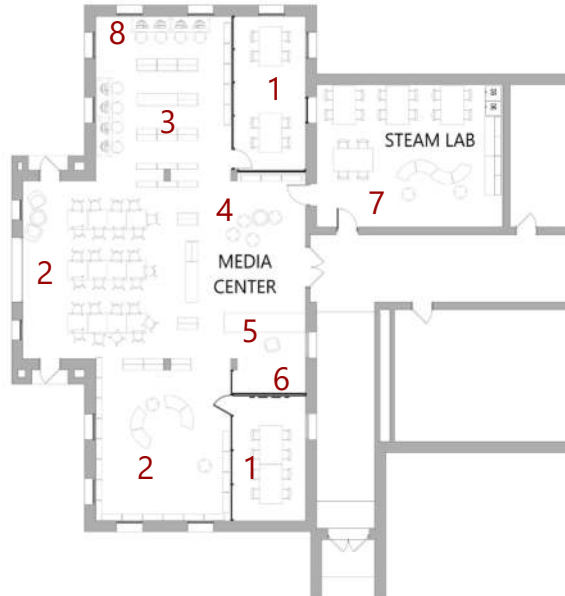
Media Center/STEAM Lab

CSARCH

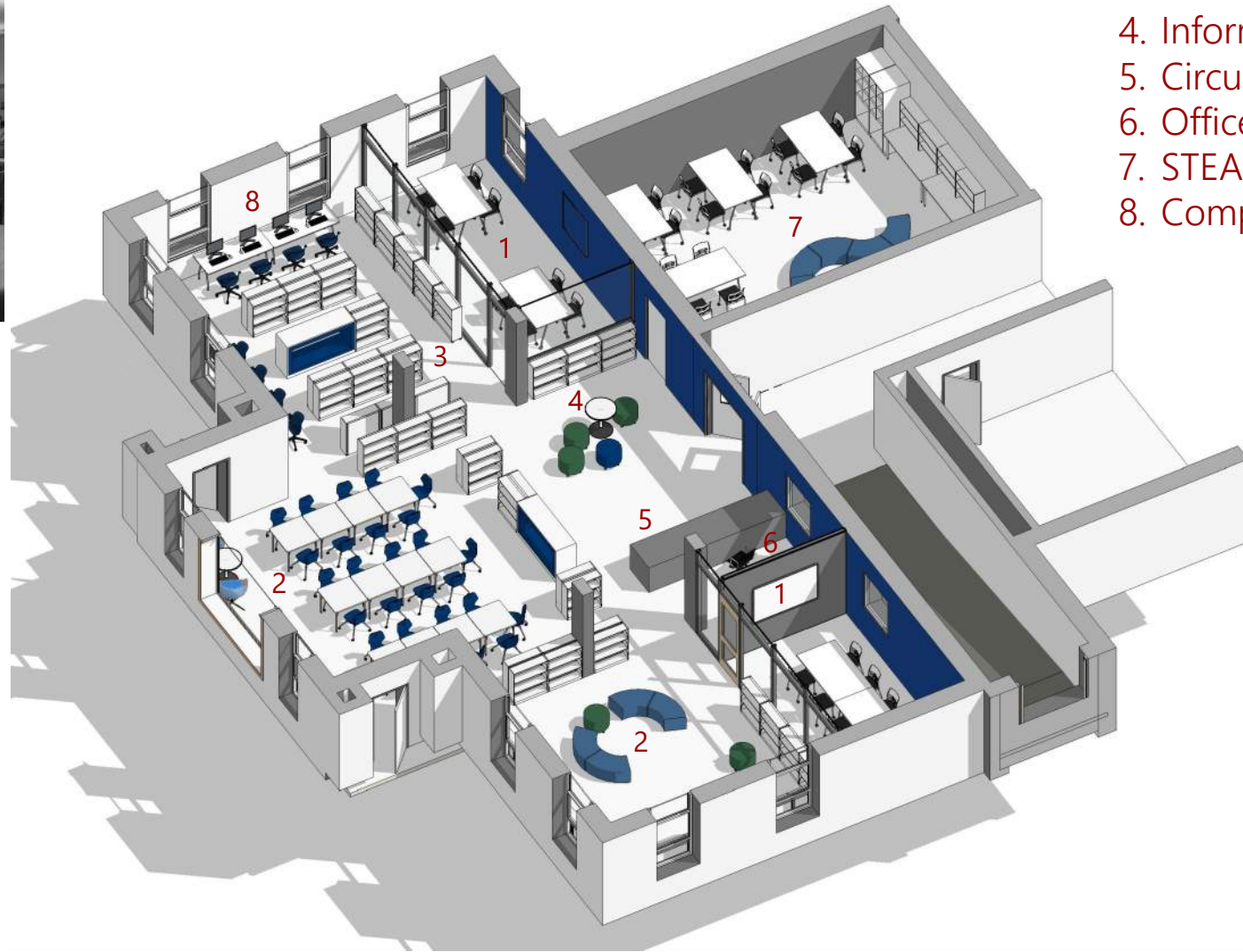
Glenwood Landing Elementary



Existing Library



Media Center/STEAM Rooms



Media Center Elements

1. Break-out Room
2. Group Reading Area
3. Reading Stacks
4. Informal Seating
5. Circulation Desk
6. Office/Work Room
7. STEAM Lab
8. Computer Stations

Glenwood Landing Elementary



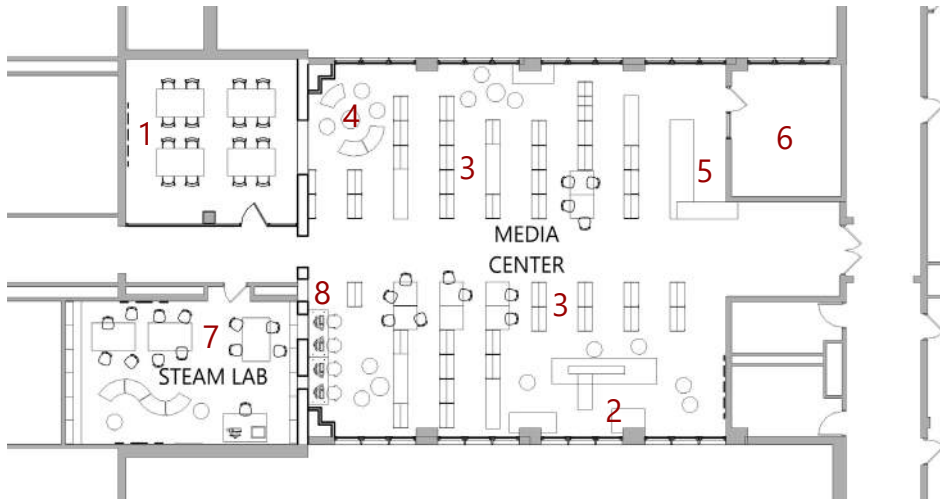
Media Center/STEAM Lab

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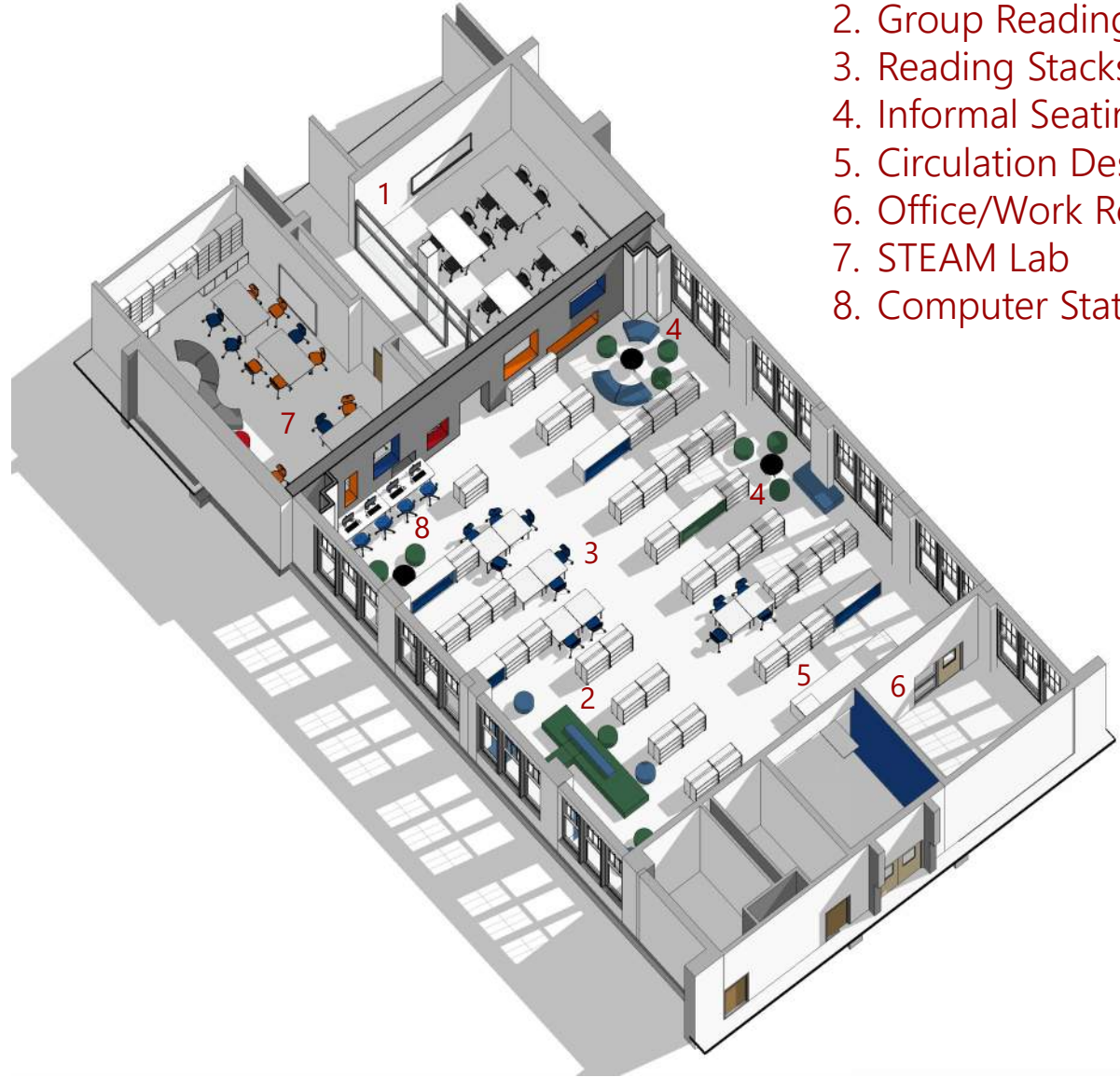
Sea Cliff Elementary



Existing Library



Media Center/STEAM Lab



Media Center Elements

1. Break-out Room
2. Group Reading Area
3. Reading Stacks
4. Informal Seating
5. Circulation Desk
6. Office/Work Room
7. STEAM Lab
8. Computer Stations

Sea Cliff Elementary

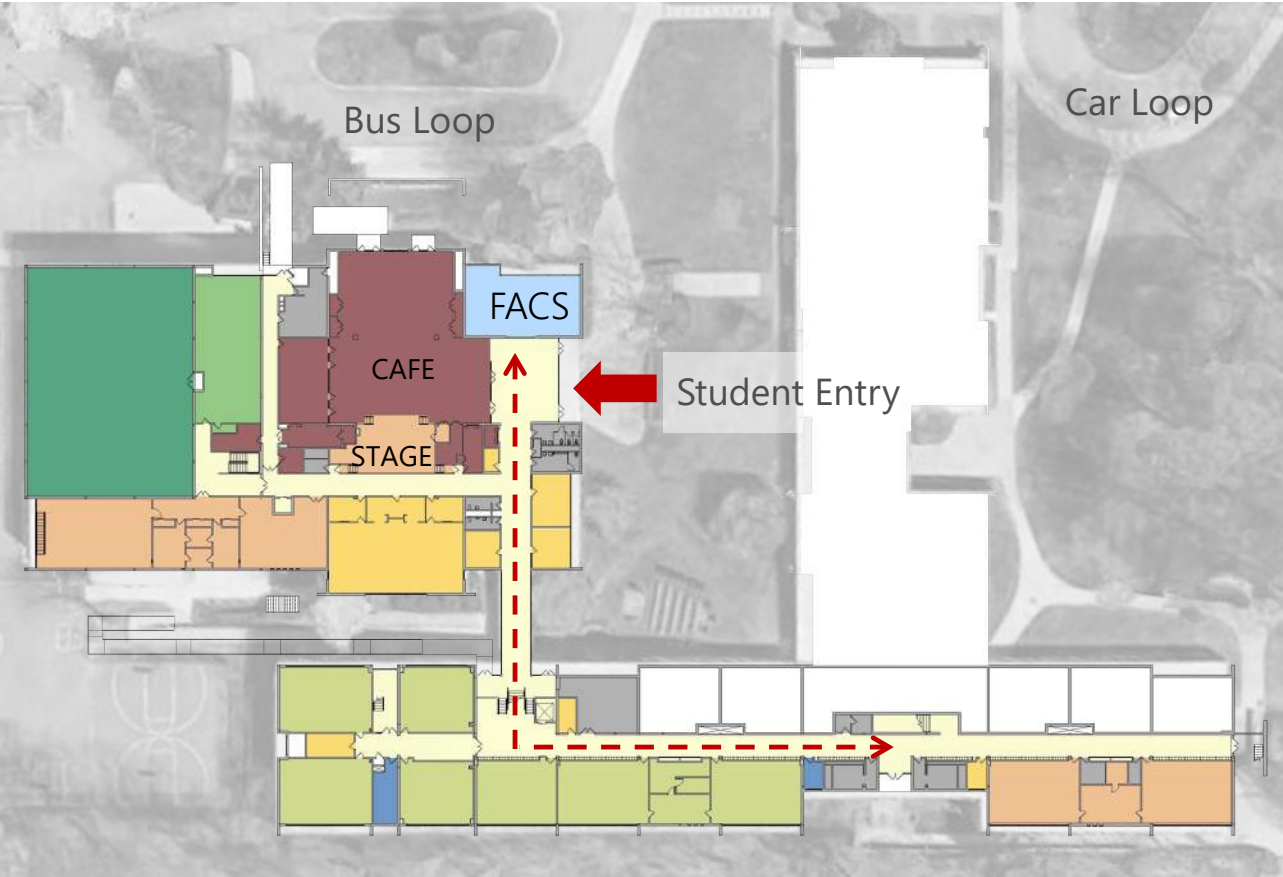


Media Center/STEAM Lab

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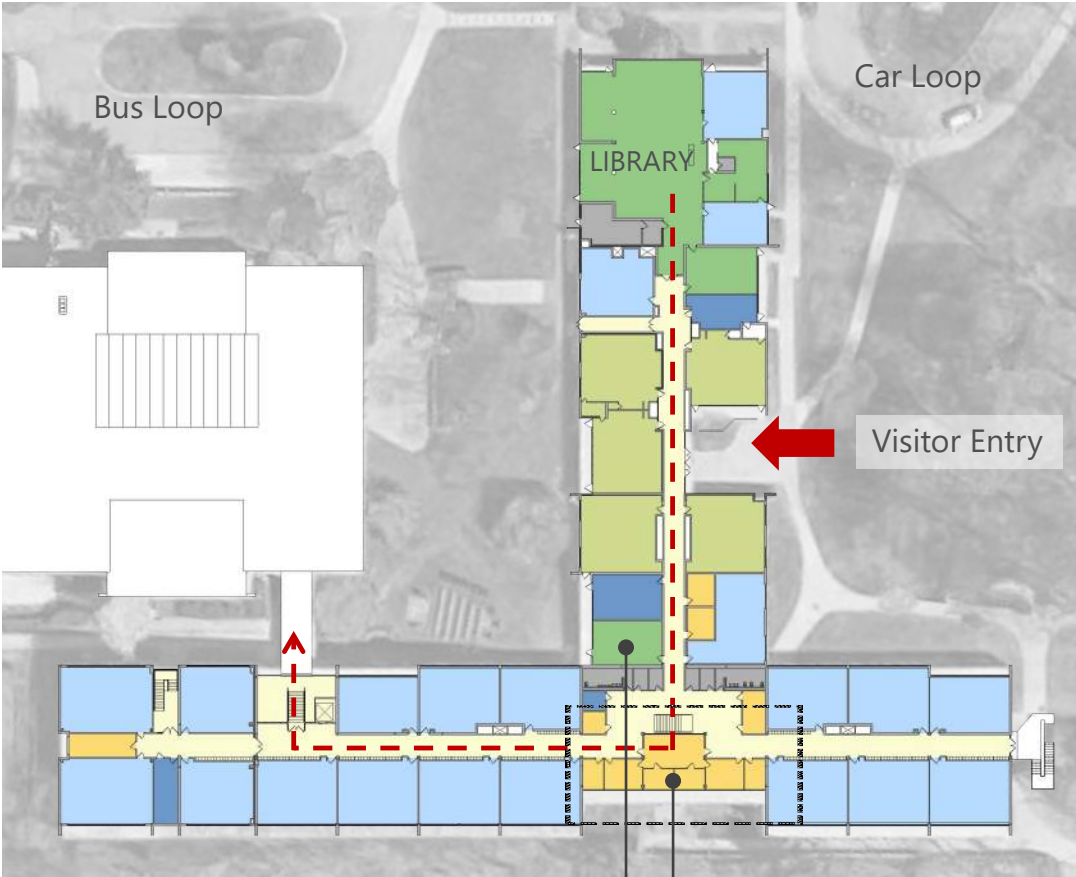
Middle School Design Concepts

Middle School Existing Floor Plans



Intermediate Level

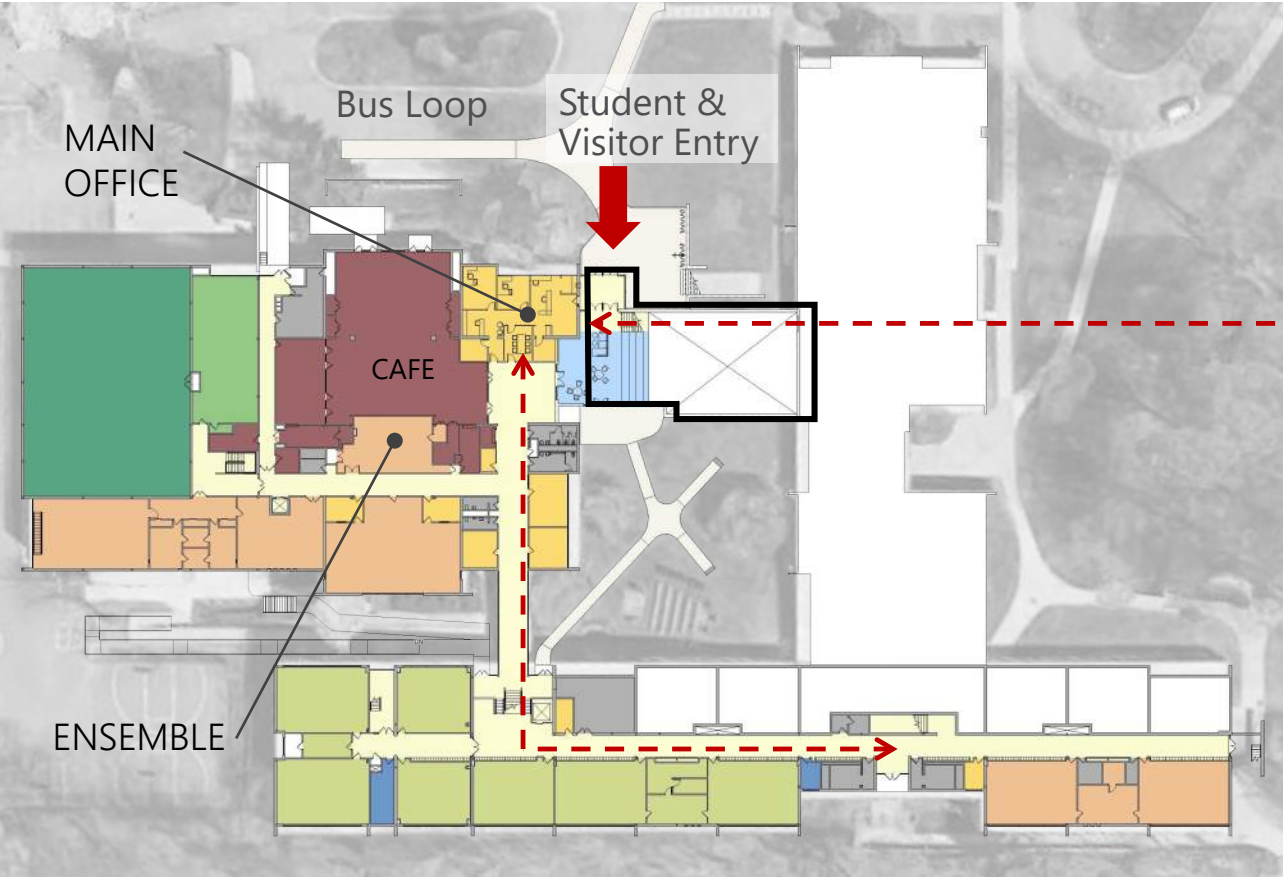
- ART/MUSIC
- HUMANITIES
- SCIENCE/MATH
- TECHNOLOGY
- CAFETERIA
- ADMINISTRATION
- SPECIAL EDUCATION



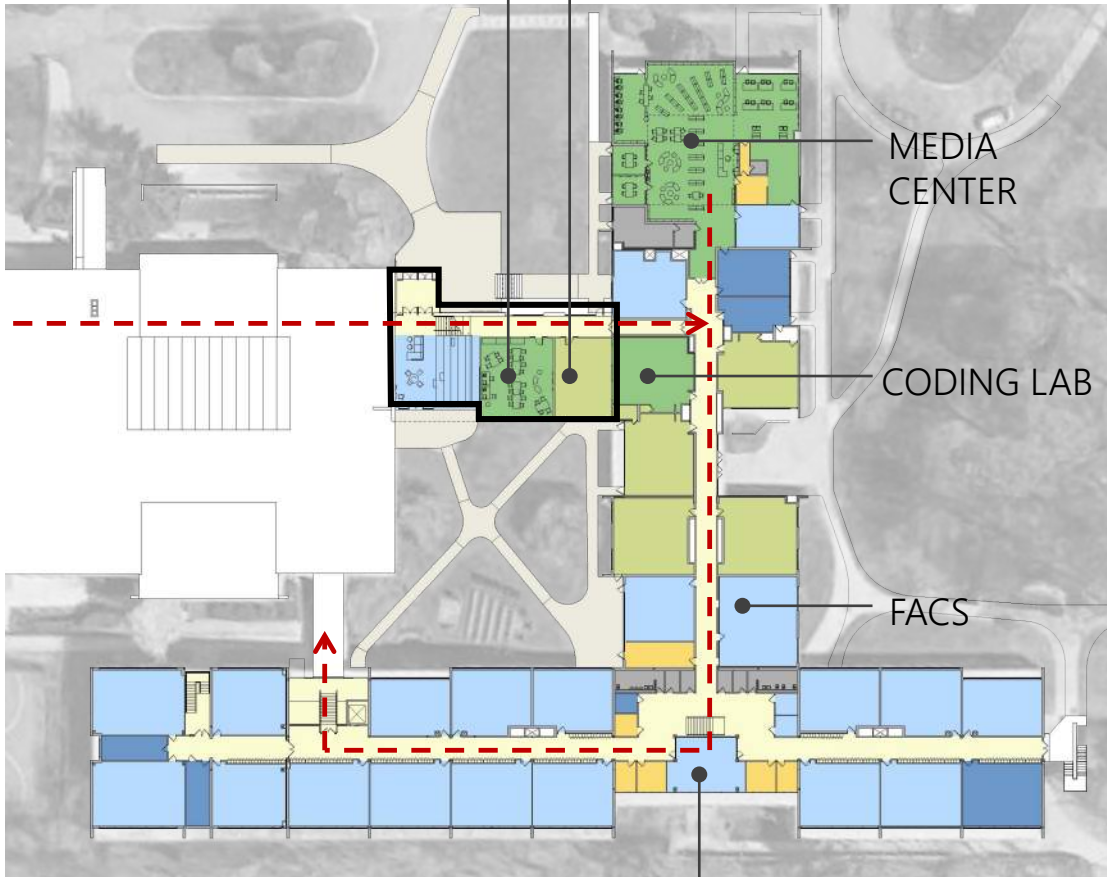
Upper Level

STEAM Rm
Main Office

Middle School Proposed Floor Plans



Intermediate Level

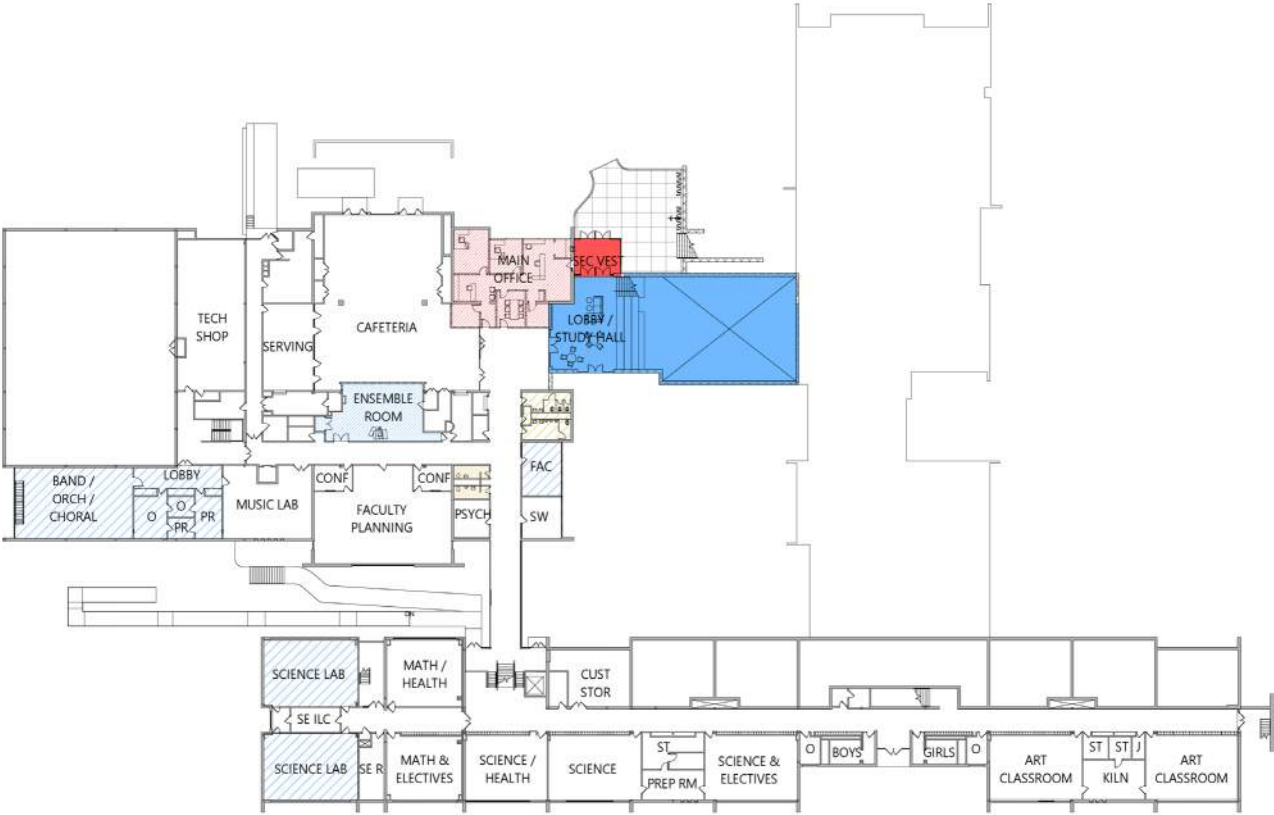


Upper Level

- | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ART/MUSIC | SPECIAL EDUCATION |
| HUMANITIES | CAFETERIA |
| SCIENCE/MATH | ADMINISTRATION |
| TECHNOLOGY | NEW CONSTRUCTION |

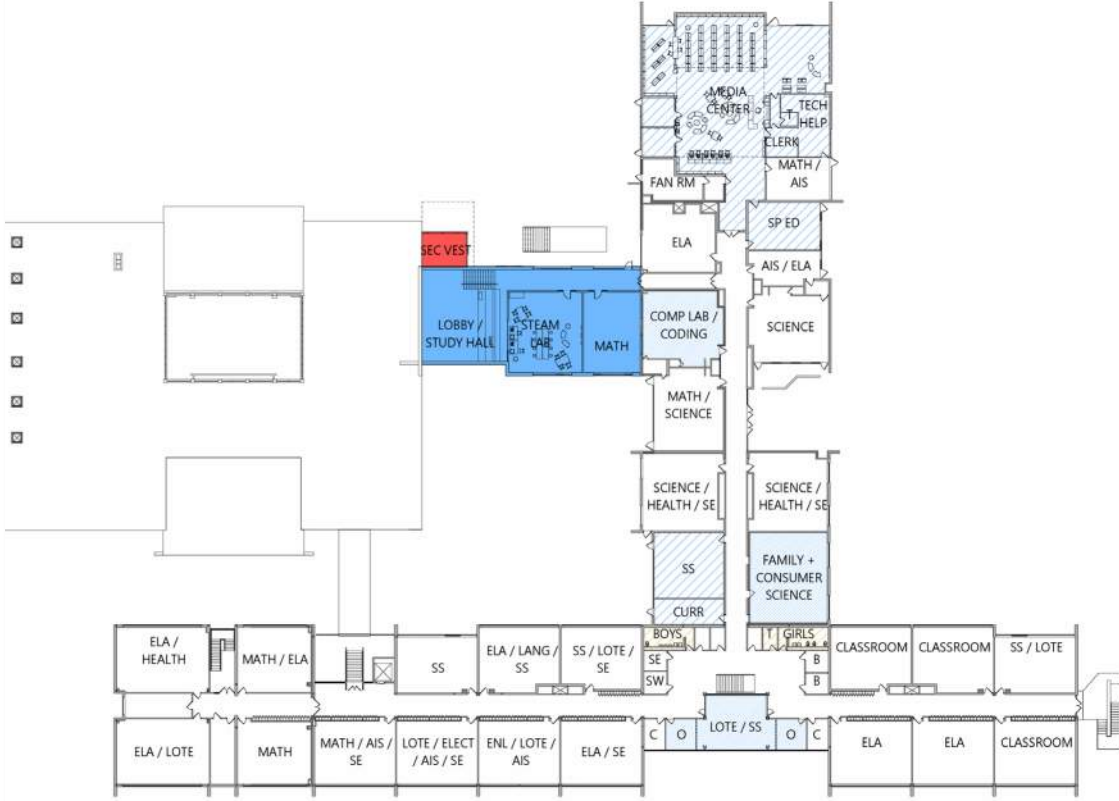
GENERAL CR

Middle School Scoping Plan



Science Labs
General Classrooms
Counseling Offices
Special Education Classroom

Intermediate Level



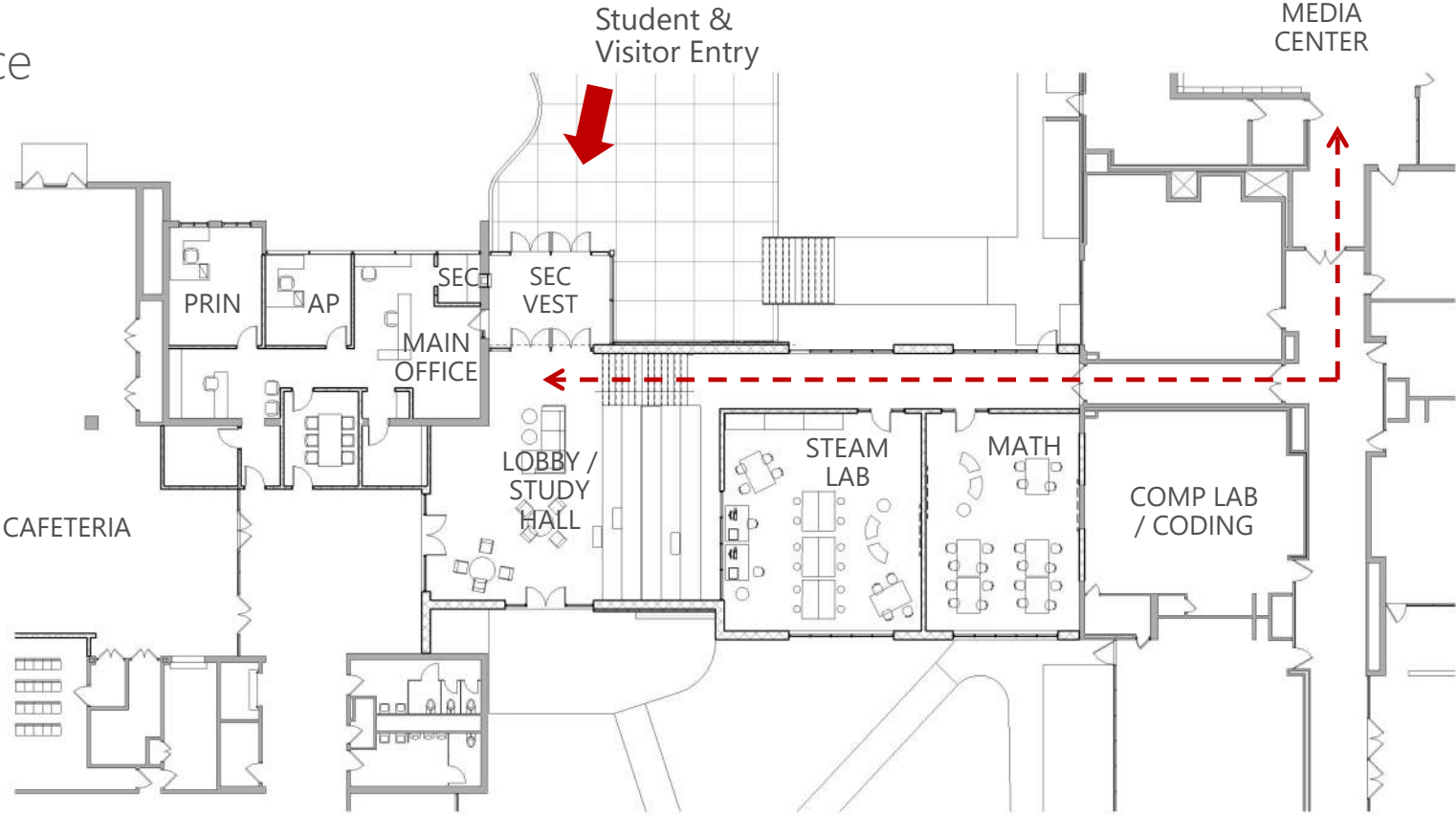
Upper Level

Middle School

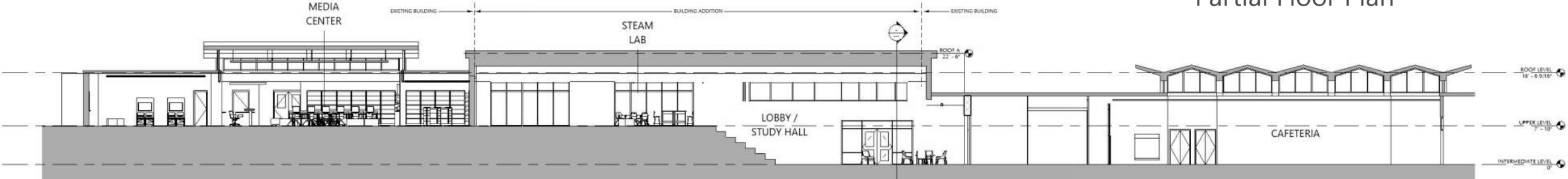
Secure Entrance + Assembly Space



Existing Student Entry



Partial Floor Plan



Building Section

Middle School



Main Entry Addition

CSARCH

Middle School

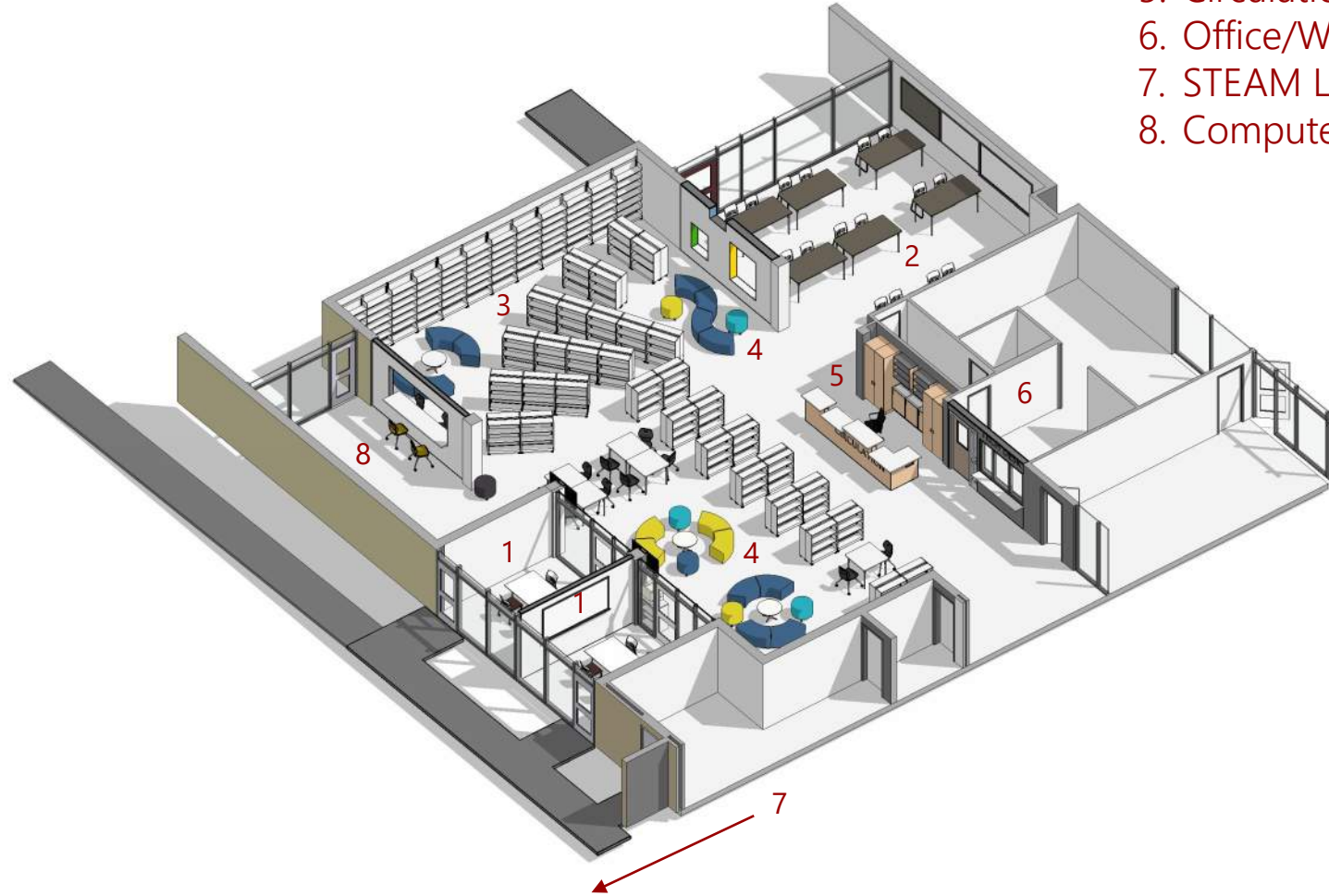
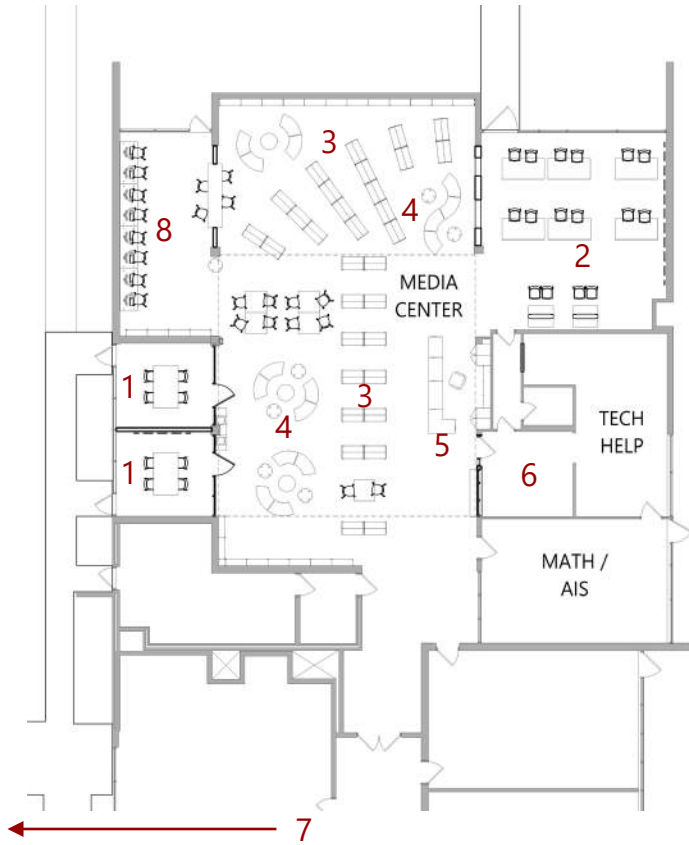


Secure Vestibule / Entry Lobby / Study Hall

Middle School

Media Center Elements

1. Break-out Room
2. Group Reading Area
3. Reading Stacks
4. Informal Seating
5. Circulation Desk
6. Office/Work Room
7. STEAM Lab
8. Computer Stations



Media Center/STEAM Rooms

Middle School



Media Center

CSARCH

High School Design Concepts

High School Existing Floor Plan



- ART/MUSIC
- HUMANITIES
- SCIENCE/MATH
- TECHNOLOGY
- SPECIAL EDUCATION
- SHARED SPACES
- ADMINISTRATION

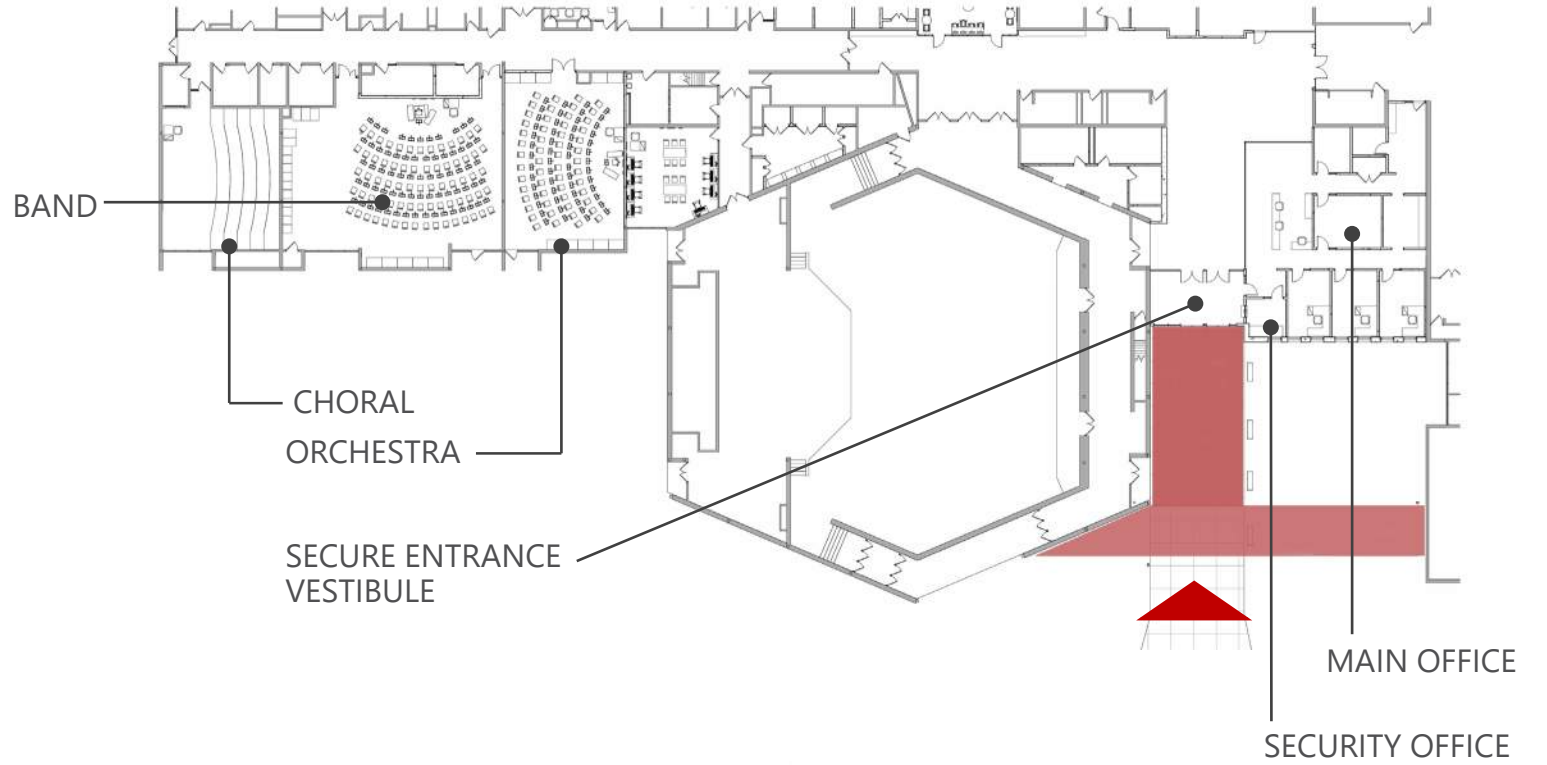
High School Proposed Floor Plan



- ART/MUSIC
- HUMANITIES
- SCIENCE/MATH
- TECHNOLOGY
- SPECIAL EDUCATION
- SHARED SPACES
- ADMINISTRATION
- NEW CONSTRUCTION

High School Scoping Plan





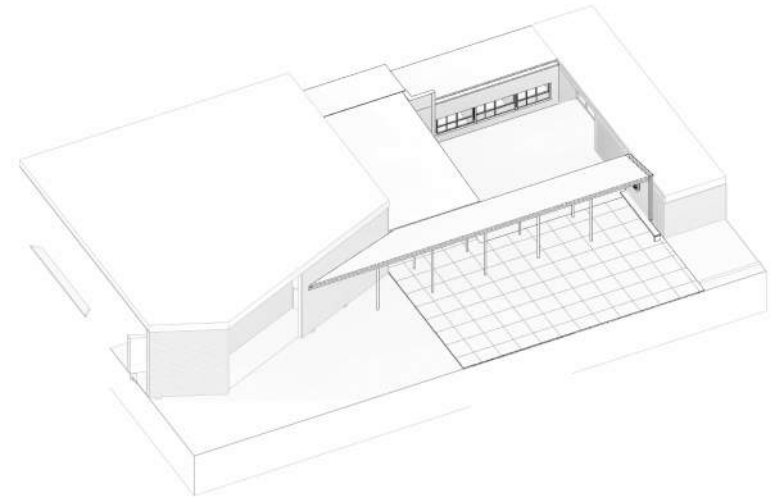
High School
Entrance & Music Wing



Existing Entrance



Proposed Entry Canopy

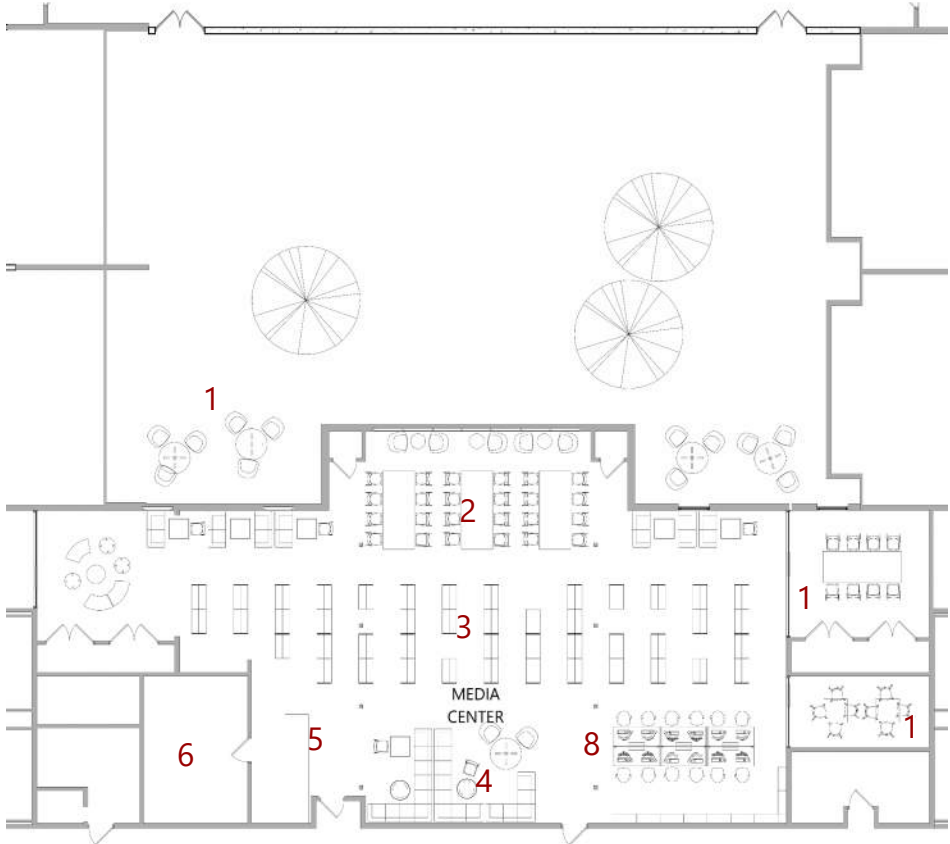




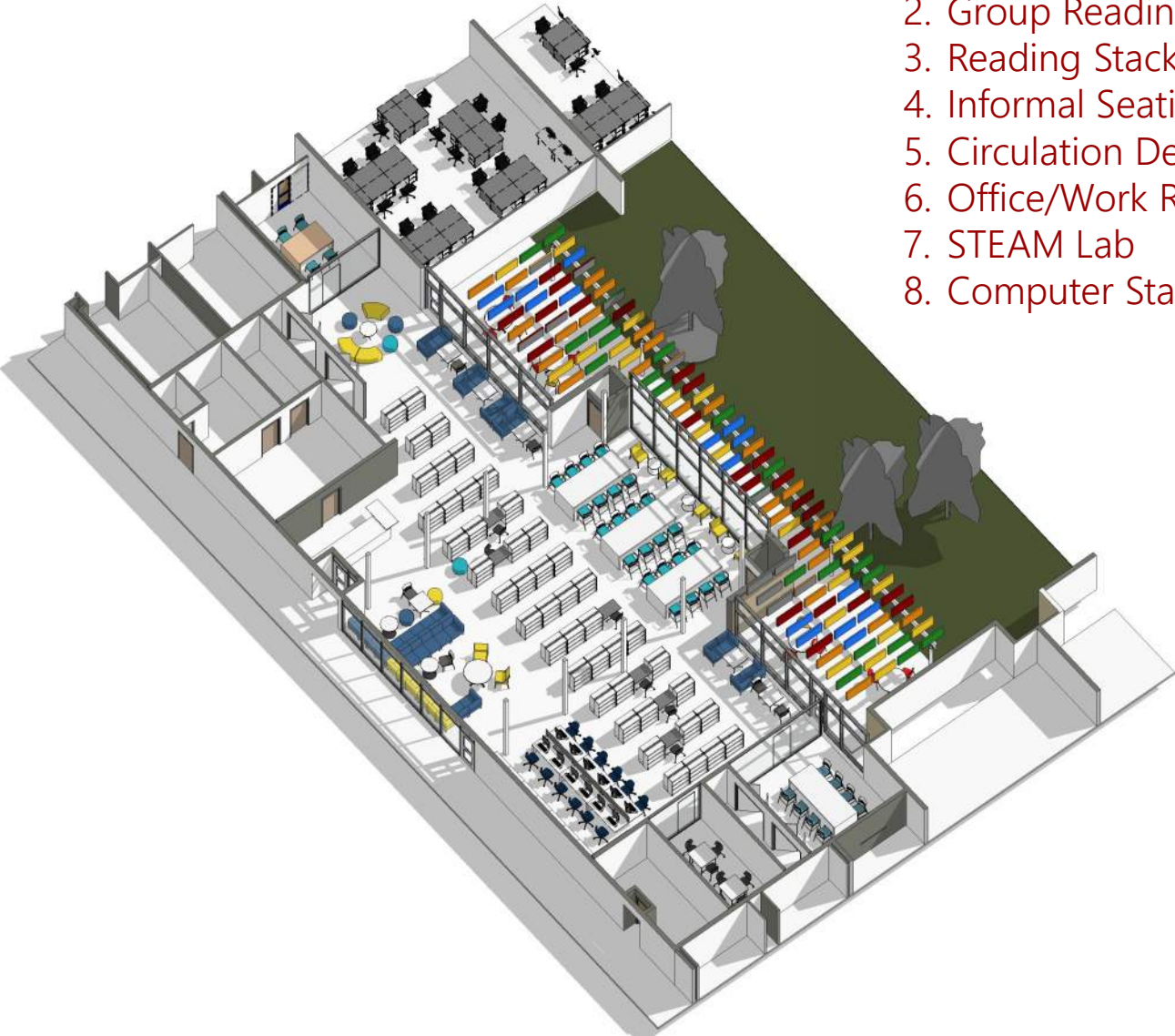
NORTH SHORE HIGH SCHOOL

High School Main Entrance

High School Media Center/STEAM Lab Concept



Partial Floor Plan



Media Center Elements

- 1. Break-out Room
- 2. Group Reading Area
- 3. Reading Stacks
- 4. Informal Seating
- 5. Circulation Desk
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- 7. STEAM Lab
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High School Media Center

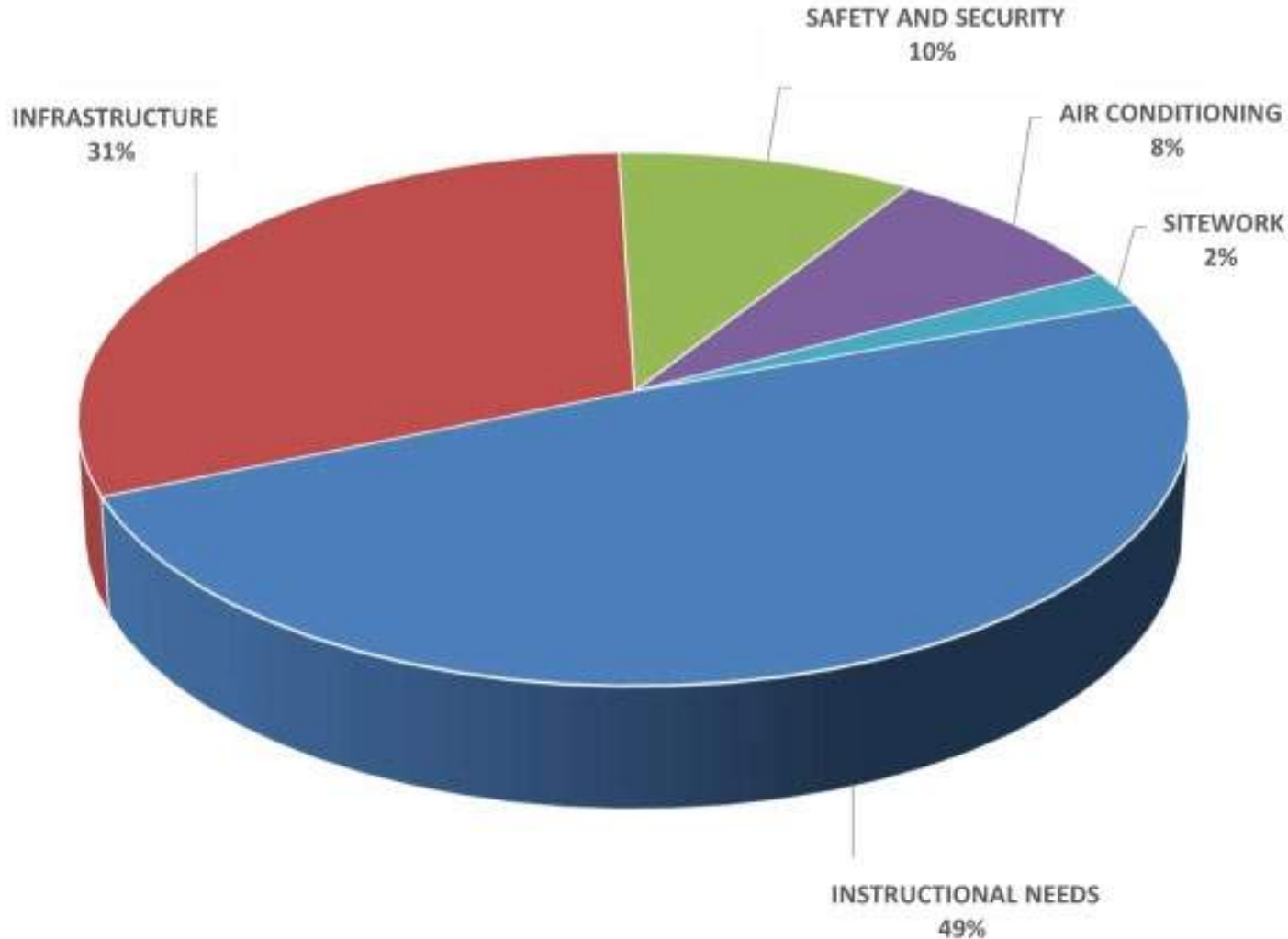


High School Library Courtyard

Project Cost



Cost Breakdown



Total Project Cost:
\$39,772,029

SUMMARY BY BUILDING		
1	GLEN HEAD ELEMENTARY SCHOOL	10%
2	GLENWOOD LANDING ELEMENTARY SCHOOL	14%
3	SEA CLIFF ELEMENTARY SCHOOL	13%
4	NORTH SHORE MIDDLE SCHOOL (STUDY #1A)	27%
5	NORTH SHORE HIGH SCHOOL	35%
6	VICTORIAN HOUSE	0%
7	ADMINISTRATION BUILDING	1%
8	TRANSPORTATION BUILDING	0%
TOTAL PROJECT COSTS		100%

Timeline



Timeline



- | | |
|-----------------------------------------------|--------------------------|
| 1. Bond Advisory Committee Meeting | May 28, 2019 |
| 2. Community Meeting 2 | June 18, 2019 |
| 3. Bond Advisory Committee Meeting | June 25, 2019 |
| 4. SEQRA Resolution | June – August 2019 |
| 5. Final Cost Estimating, Design Finalization | June – August 2019 |
| 6. Resolution | September 2019 |
| 7. Public Information Period | September – October 2019 |
| 8. Public Referendum | November 2019 |

Discussion
