

TK-8 EDUCATIONAL SPECIFICATIONS

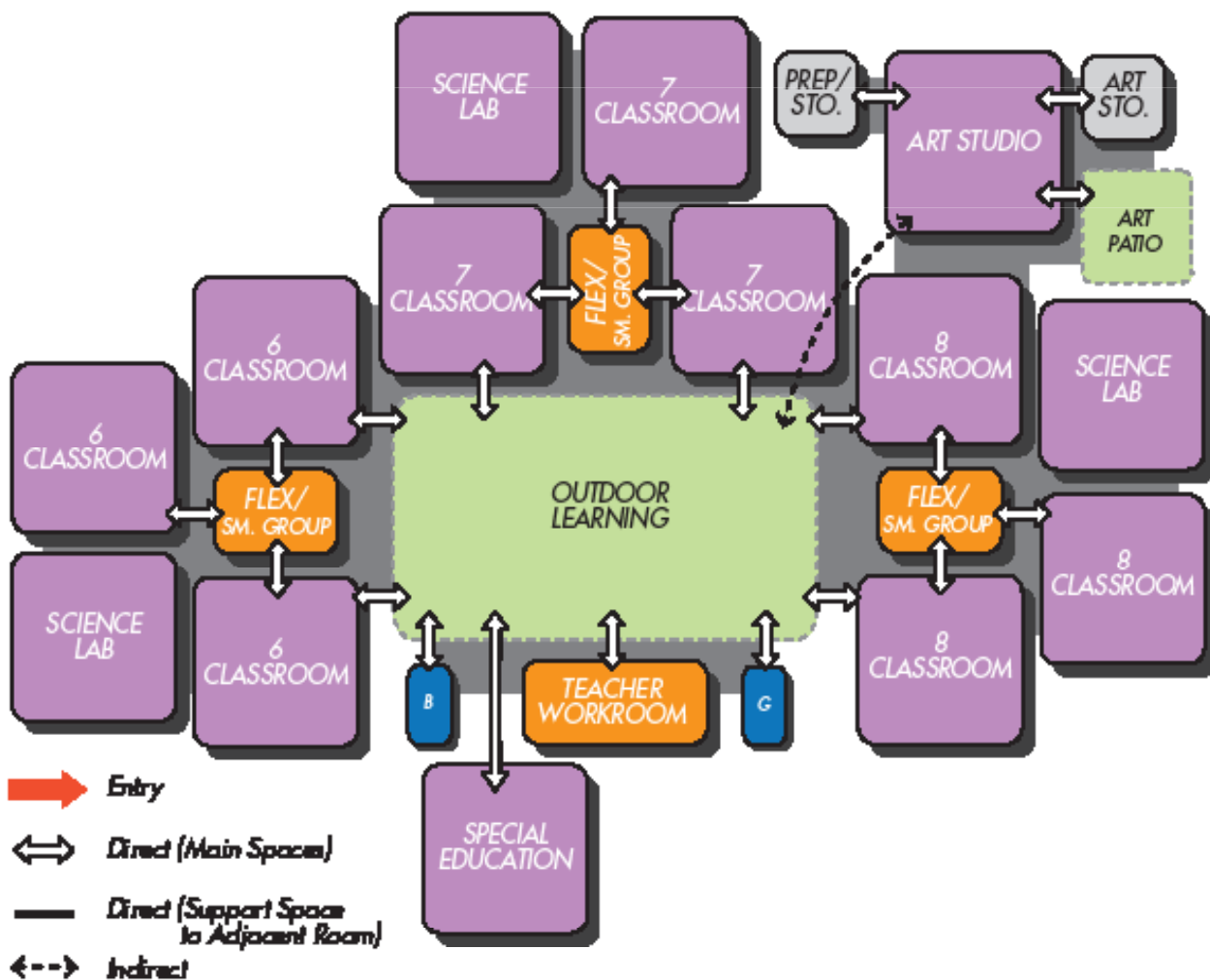
6-8 INSTRUCTIONAL COMMUNITY



DESCRIPTION / GOALS

- The K-8 school should be arranged into TK-K, 1-3, 4-5, and 6-8 communities as much as is practicable and possible. While slightly more challenging, existing schools can be re-organized into grade-level communities, particularly “finger-wing” layouts (of which there are many in the district) wherein grade-level communities can be located in opposing building wings rather than remaining in a straight-line configuration in a single wing. Additionally, the end space between existing wings can be “filled in” to create a truly separate, 6-8 Community where space allows.
- The 6-8 Community should be configured to allow these grades to be kept together as an autonomous unit within the larger campus structure with their own outdoor learning area that can be tailored to and be reflective of the community’s requirements and activities.
- The community should promote teacher collaboration and help advance the feeling of a professional learning environment for grade-level teachers.
- The community configuration should sustain the security and foster the safety of the learner by allowing easy and constant supervision by the community’s teachers.
- Small group collaboration spaces should be situated to allow access from two adjacent learning studios. The collaboration centers should support project-based curriculum by accommodating multiple, flexible small group activities.
- Learning studios should be connected to collaboration spaces through significant fenestration to ensure student safety as well as promoting transparency of the teaching and learning activities.
- Special Education rooms shall be integrated in with the grade communities.
- Science labs shall be designed with flexibility for STEM and Robotics, although revisited at the time of design for individual campus as to what program direction to go in.

ADJACENCY DIAGRAM



ROOM TYPE:

ART STUDIO

SIZE: 1200 sf

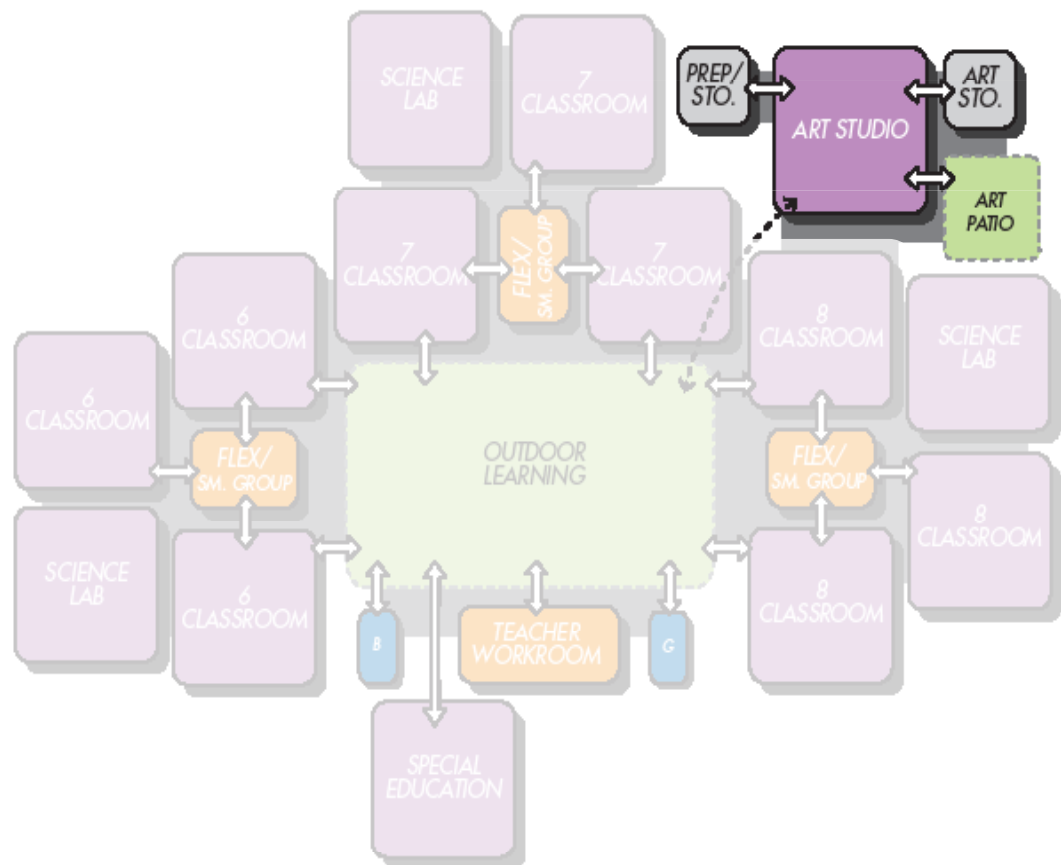
OCCUPANTS: 1 instructor, 29 students

ACTIVITIES AND USES

Individual, small and large group art instruction and exploration to include drawing, painting, print making, ceramics, and graphics. Ceramics instruction and exploration to include hand-building, slab, wheel throwing, glazing and firing.

SUPPORT SPACES

- Art Storage: 100 sf
- Art Patio
- Kiln room or locate kilns at outdoor patio



SPECIAL CONSIDERATIONS

- Ceiling material: acoustic ceiling tile; 10'-0" AFF min.
- Two wall tackable wall surface
- Floor material: sealed concrete or linoleum product
- Acoustics: per ANSI/ASA S12.60-2010/ Part 1 "American National Standard Acoustical Performance Criteria, Design Requirements and Guidelines for Schools," Part 1: Permanent Schools

DOORS / WINDOWS

- Natural light desirable (north light preferred)
- Skylights acceptable
- Window coverings as required to control glare and to darken space
- Ability to lock down door

FURNITURE / EQUIPMENT/ MILLWORK

- (1) instructor lab/portable demonstration station (instructor should be mobile with in the classroom)
- (7.5) 54" x 64" student work tables w/ 4 seats per table or (15) 36" x 56" student work tables w/ 2 seats per table
- (1) 80" TV monitor display with wall bracket
- (1) 55" TV monitor display with wall bracket
- Paper cutting table
- Miscellaneous art equipment
- (4-6) pottery wheels
- Wedging table
- Slab roller
- Pug mill
- (4) greenware carts
- (4) drying racks
- (2) electric kilns @ kiln room
- Storage for 40 boxes of clay @ storage room
- Perimeter base cabinets with drawers, adjustable shelving and hinged doors and (4) countertop sinks, flat files to accommodate 30" x 42" construction paper, student portfolio drawers, vertical slot storage, cubicles (16" x 18") for 24 students, locks (verify locations)
- Wall cabinets with adjustable shelving and hinged doors above base cabinets, locks (verify locations)
- Tall storage cabinets with adjustable shelving and hinged doors, locks (verify locations), sufficient space for storage of digital document camera
- Shelves for project storage in kiln room
- (1) 4' x 12' markerboard or marker wall
- (2) 4' x 6' tackboards
- Lockable Corridor/exterior display cases



ROOM TYPE:

ART STUDIO (CONTINUED)

BUILDING SYSTEM REQUIREMENTS

MECHANICAL

- Independent temperature control of room within flexible range set by district's EMS system
- Specialty exhaust as required for kiln room

PLUMBING

- (4) stainless steel utility sinks with plaster traps (1 drinking fountain bubbler)
- Hot and cold water

ELECTRICAL / LIGHTING

- Outlets for general room, instructor workstation, chrome book and iPad charging and student computer workstations, TV monitor display locations
- Clean, segregated power distribution with surge suppression
- Outlet for pug mill and electric pottery wheels
- Outlets for electric kilns @ kiln room
- Glare reducing lenses
- Ability to darken front or back half of room
- Track/spot lighting for still life/shadow study, etc.
- Lighting: per IES Lighting Handbook guidelines

TECHNOLOGY

- Refer to the "District Wide Instructional Technology Plan" for school campus requirements
- Telephone/intercom handset, VoIP
- Intercom speaker
- Hard-wired data outlet for network connectivity to accept online streaming of announcements and other resources needed for classroom instruction
- Wireless access capable for most computer communications/applications
- Apple TV available for various network devices to connect to TV monitor display via iPad, Mac and Windows mirroring
- Speaker system with volume control

ROOM TYPE:

CLASSROOM

SIZE: 960 sf

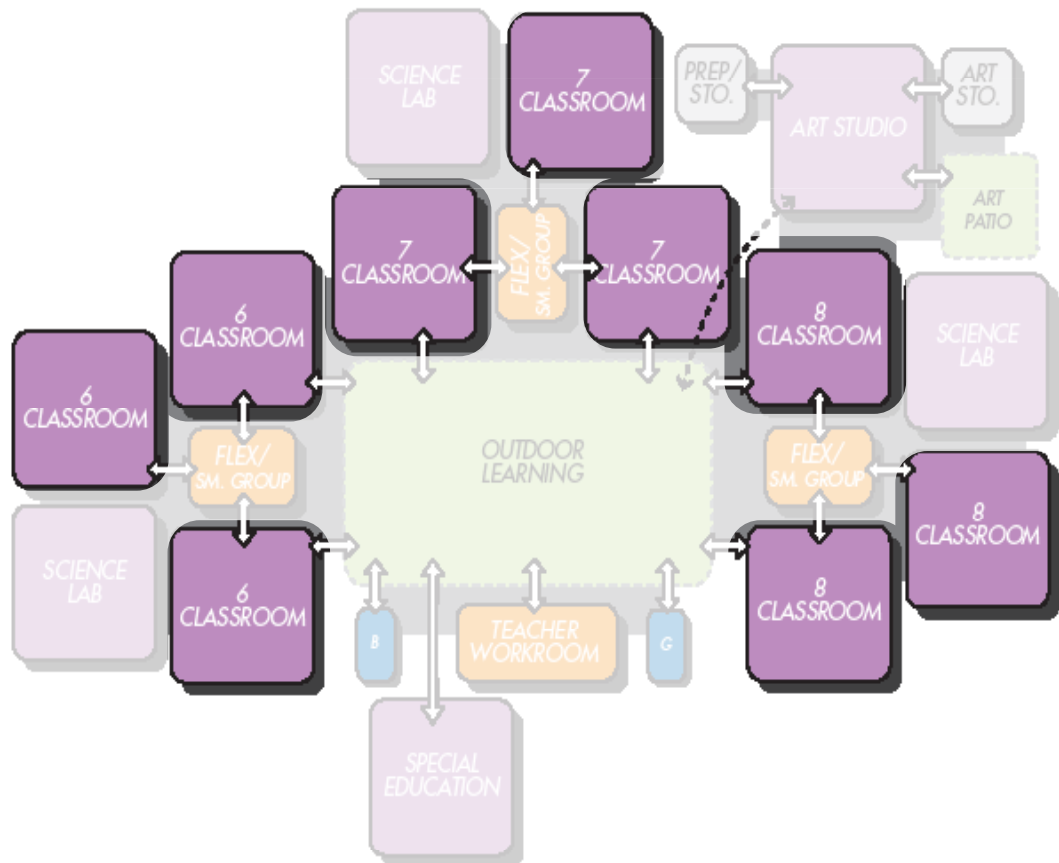
OCCUPANTS: 1 instructor, 29 students

ACTIVITIES AND USES

Whole group and small group lecture/discussion. Individual, small group, and whole group cooperative and collaborative teaching and learning activities, instructor group tutoring, peer tutoring, and student testing.

SUPPORT SPACES

- Adjacent to community restrooms: 2 @ 180 sf



SPECIAL CONSIDERATIONS

- Ceiling material: acoustic ceiling tile; 9'-0" AFF min.
- Flooring: vinyl composition tile and/or carpet tile
- Acoustics: per ANSI/ASA S12.60-2010/ Part 1 "American National Standard Acoustical Performance Criteria, Design Requirements and Guidelines for Schools," Part 1: Permanent Schools
- Capability of opening (2) adjacent classrooms (per team) to each other via operable partition(s) to accommodate large group/team meeting configuration
- Flexible/mobile furniture

DOORS / WINDOWS

- Natural light desirable
- Sidelight at door
- Window coverings with the ability to darken space
- Skylights acceptable
- Ability to lock down door
- Keyless electronic lock access

FURNITURE / EQUIPMENT/ MILLWORK

- (1) instructor workstation (instructor should be mobile with in the classroom)
- (1) 80" TV monitor display w/ wall bracket
- (1) 50"-55" TV monitor display w/ wall bracket
- Base cabinets with counter work surface, adjustable shelving and hinged doors and drawers, countertop sink, and locks (verify locations)

BUILDING SYSTEM REQUIREMENTS

MECHANICAL

- Independent temperature control of room within flexible range set by district's EMS system

PLUMBING

- Counter sink with drinking fountain bubbler
- Age appropriate toilets/sinks @ toilet rooms

ELECTRICAL / LIGHTING

- Outlets for general room, instructor workstation, chrome book and iPad charging and student computer workstations, TV monitor display locations
- Clean, segregated power distribution with surge suppression
- Glare reducing lenses
- Adjustable lighting levels via independently controlled banks of lights
- Lighting: per IES Lighting Handbook guidelines



- Wall cabinets with adjustable shelving and hinged doors above base cabinets, locks (verify locations)
- Tall storage cabinets with adjustable shelving and hinged doors, locks (verify locations), sufficient space for storage of digital document camera
- (2) 4' x 12' marker boards
- (4) 4' x 6' tackboards

TECHNOLOGY

- Refer to the "District Wide Instructional Technology Plan" for school campus requirements
- Telephone/intercom handset, VoIP
- Hard-wired data outlet for network connectivity to accept online streaming of announcements and other resources needed for classroom instruction
- Wireless access capable for most computer communications/applications
- Apple TV available for various network devices to connect to TV monitor display via iPad, Mac and Windows mirroring

ROOM TYPE:

SCIENCE LAB

SIZE: 1350 sf

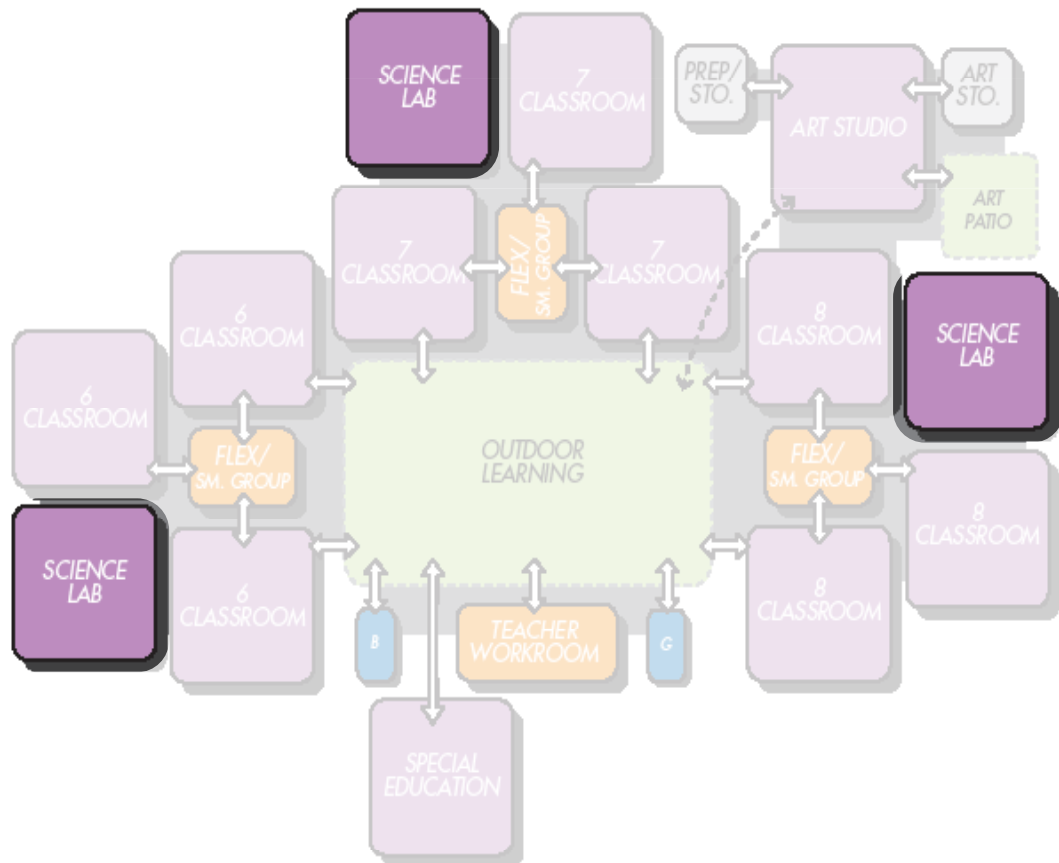
OCCUPANTS: 1 instructor, 29 students

ACTIVITIES AND USES

Flexible science labs designed to teach various science subjects. Whole group and small group lecture and laboratory activities to include individual, small group, and whole group cooperative and collaborative teaching and learning activities, instructor group tutoring, peer tutoring, and student testing in relation to science research and investigation. The science lab shall be flexible enough for STEM and Robotics, however should be revisited at the time of design for the campus as to what program to design for.

SUPPORT SPACES

- Prep/storage: 300 sf



SPECIAL CONSIDERATIONS

- Ceiling material: acoustic ceiling tile; 9'-0" AFF min.
- Wall material: painted gypsum board or concrete block
- Flooring: sealed concrete or vinyl composition tile
- Acoustics: per ANSI/ASA S12.60-2010/ Part 1 "American National Standard Acoustical Performance Criteria, Design Requirements and Guidelines for Schools," Part 1: Permanent Schools

DOORS / WINDOWS

- Natural light required
- Window coverings as required to control glare and to blackout space
- Keyless electronic lock access

FURNITURE / EQUIPMENT/ MILLWORK

- (1) instructor lab/portable demonstration station (instructor should be mobile within the classroom)
- (15) 2-person student lab tables and (34) chairs
- TV monitor screen w/ wall bracket
- Clock
- Locking perimeter base cabinets with counter work surface, adjustable shelving and hinged doors and drawers,



BUILDING SYSTEM REQUIREMENTS

MECHANICAL

- Independent temperature control of room within flexible range set by district's EMS system
- Room exhaust

PLUMBING

- Acid resistant sinks and connections at fume hood, each perimeter student lab station (sediment traps)
- Emergency eyewash/shower

ELECTRICAL / LIGHTING

- Outlets for general room, instructor workstation, chrome book and iPad charging and student computer workstations, TV monitor display locations, and power distribution with surge suppression
- Glare reducing lenses
- Adjustable lighting levels via independently controlled banks of lights
- Lighting: per IES Lighting Handbook guidelines

TECHNOLOGY

- countertop sinks centered in stations
- Wall cabinets with adjustable shelving and hinged doors above base cabinets, locks (verify locations)
- Tall storage cabinets with adjustable shelving and hinged doors, locks (verify locations), sufficient space for storage of digital document camera
- (2) 4' x 12' markerboards
- (4) 4' x 6' tackboards
- Refer to the "District Wide Instructional Technology Plan" for school campus requirements
- Telephone/intercom handset, VoIP
- Intercom speaker
- Hard-wired data outlet for network connectivity to accept online streaming of announcements and other resources needed for classroom instruction
- Local area network connectivity for the instructor workstation and (4-6) desktop computer workstations
- Wireless access capable for most computer communications/applications

SPECIAL CONSIDERATIONS

- Ceiling material: acoustic ceiling tile; 9'-0" AFF min.
- Floor material: vinyl composition tile or carpet tile
- Acoustics: per ANSI/ASA S12.60-2010/ Part 1 "American National Standard Acoustical Performance Criteria, Design Requirements and Guidelines for Schools,"
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DOORS / WINDOWS

- Interior wall glazing desirable - supervision from circulation desk and/or office areas
- Natural light desirable
- Sidelight at door
- Window coverings as required for sun/glare control
- Skylights acceptable
- Maximum visibility to outdoor learning area
- Keyless electronic lock access

FURNITURE / EQUIPMENT/ MILLWORK

- Work tables and chairs
- (3-5) instructor workstations along a wall
- Base cabinets with counter work surface, adjustable shelving and hinged doors and drawers, locks (verify locations)
- Wall cabinets with adjustable shelving and hinged doors above base cabinets, locks (verify locations)
- Tall storage cabinets with adjustable shelving and hinged doors, locks (verify locations)
- (1) 4' x 4' tackboard

BUILDING SYSTEM REQUIREMENTS

MECHANICAL

- Independent temperature control of room within flexible range set by district's EMS system

ELECTRICAL / LIGHTING

- Outlets for general room and workstation use
- Clean, segregated power distribution with surge suppression
- Power for office machines
- Glare reducing lenses
- Lighting: per IES Lighting Handbook guidelines

TECHNOLOGY

- Refer to the "District Wide Instructional Technology Plan" for school campus requirements
- Telephone/intercom handset, VoIP
- Data outlets for local area network connectivity
- Hard-wired data outlet for network connectivity to accept online streaming of announcements and other resources needed for classroom instruction
- Wireless access capable for most computer communications/applications

ROOM TYPE:

TEACHER WORKROOM

SIZE:

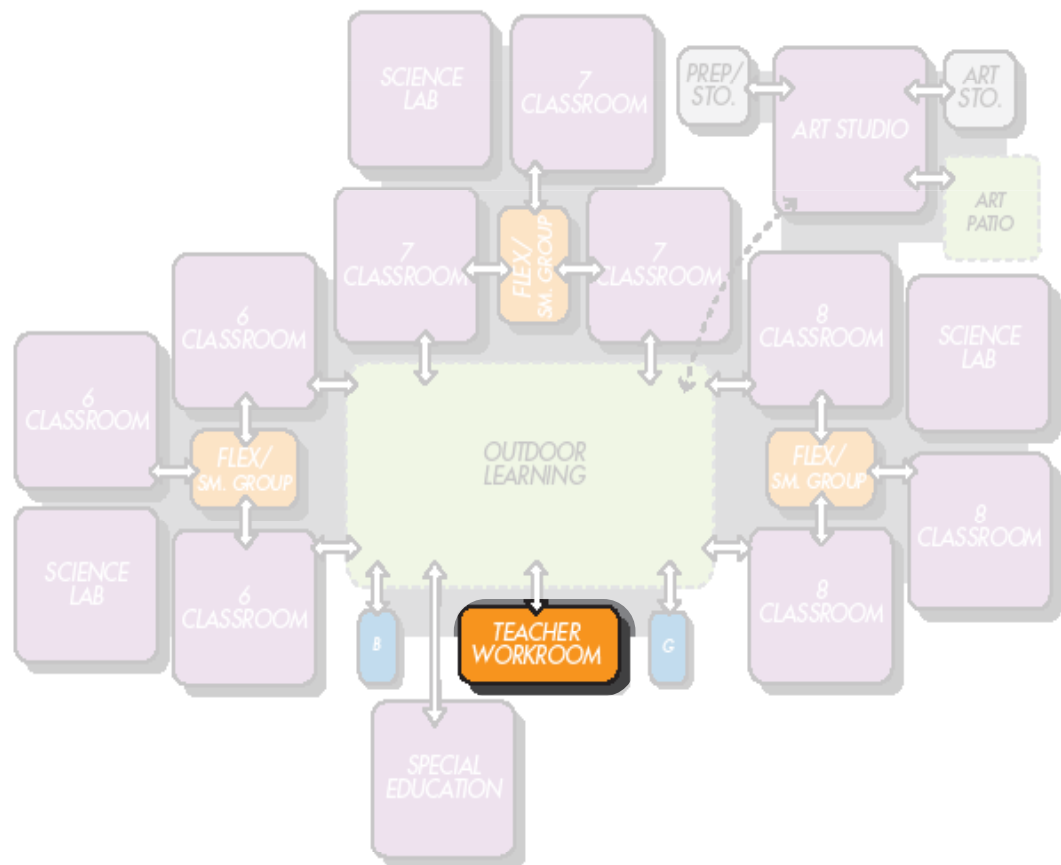
OCCUPANTS: Varies

ACTIVITIES AND USES

Shared work area for teachers to prepare instructional materials, confer with colleagues, assist students, plan and develop curricula, and conduct activities related to teaching and learning. Activities also include formal and informal conferences and consultation with colleagues, staff and students.

SUPPORT SPACES

- None



SPECIAL CONSIDERATIONS

- Ceiling material: acoustic ceiling tile; 9'-0" AFF min.
- Floor material: vinyl composition tile or carpet tile
- Acoustics: per ANSI/ASA S12.60-2010/ Part 1 "American National Standard Acoustical Performance Criteria, Design Requirements and Guidelines for Schools,"
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FURNITURE / EQUIPMENT/ MILLWORK

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- (3-5) instructor workstations along a wall
- Base cabinets with counter work surface, adjustable shelving and hinged doors and drawers, locks (verify locations)
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