

TK-8 EDUCATIONAL SPECIFICATIONS

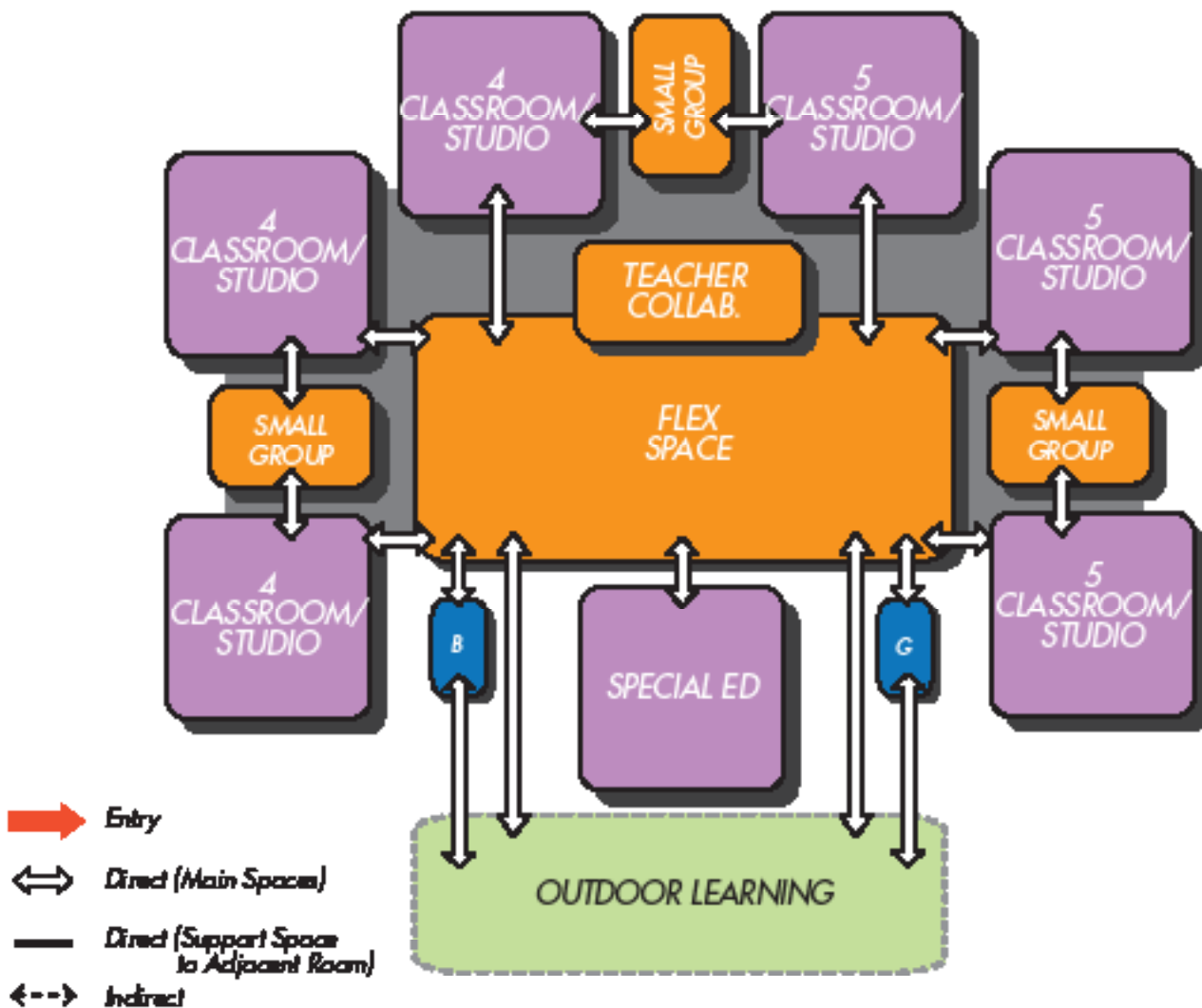
4-5 INSTRUCTIONAL COMMUNITY



DESCRIPTION / GOALS

- The elementary school should be arranged into TK-K, 1-3, and 4-5 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.
- The 4-5 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.

ADJACENCY DIAGRAM



ROOM TYPE:

CLASSROOM

SIZE: 960 sf

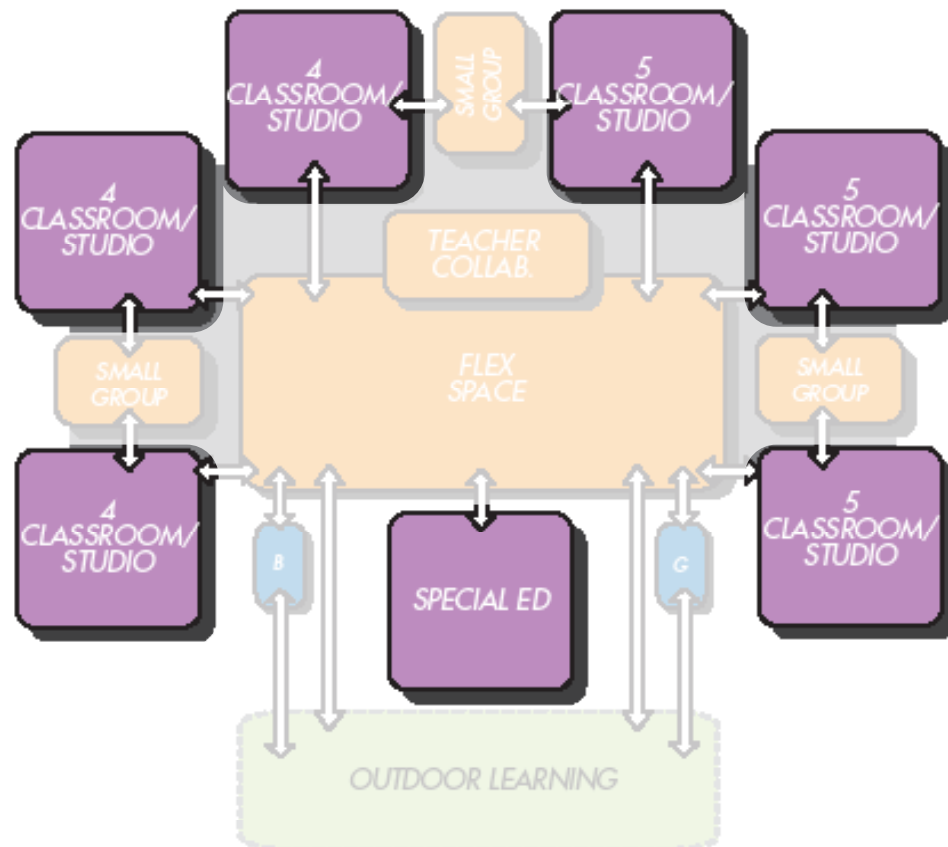
OCCUPANTS: 1 instructor, 24 students

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 Outdoor Learning Area
- Community Restrooms: 2 @ 180 sf - Access to the outdoor learning area



SPECIAL CONSIDERATIONS

- 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
- Ceiling material: acoustic ceiling tile @ 9'-0" min.
- Flooring: vinyl composition tile and/or carpet tile
- 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 & bracket
- (1) 50"-55" TV monitor display & 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

TECHNOLOGY



- 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 on wall.
- Hardwired 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:

SMALL GROUP COLLABORATION

SIZE: 200 sf

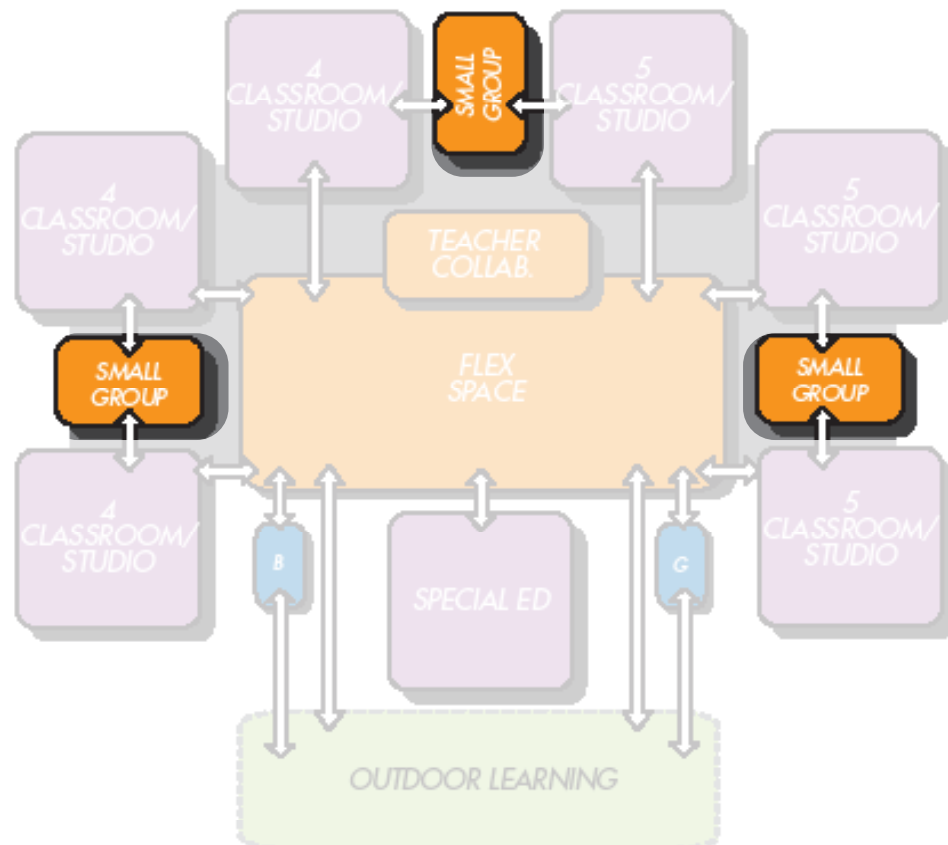
OCCUPANTS: Varies

ACTIVITIES AND USES

Small group meeting and conference area for a variety of informal and formal student, faculty, and staff uses.

SUPPORT SPACES

- None



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

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

SPECIAL CONSIDERATIONS

- Ceiling material: acoustic ceiling tile; 9'-0" AFF min.
- Wall material: painted gypsum board
- 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,"
Part 1: Permanent Schools

TECHNOLOGY

- Refer to the "District Wide Instructional Technology Plan" for school campus requirements
- Telephone/intercom handset, VoIP on wall.
- 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 COLLABORATION

SIZE: 200 sf

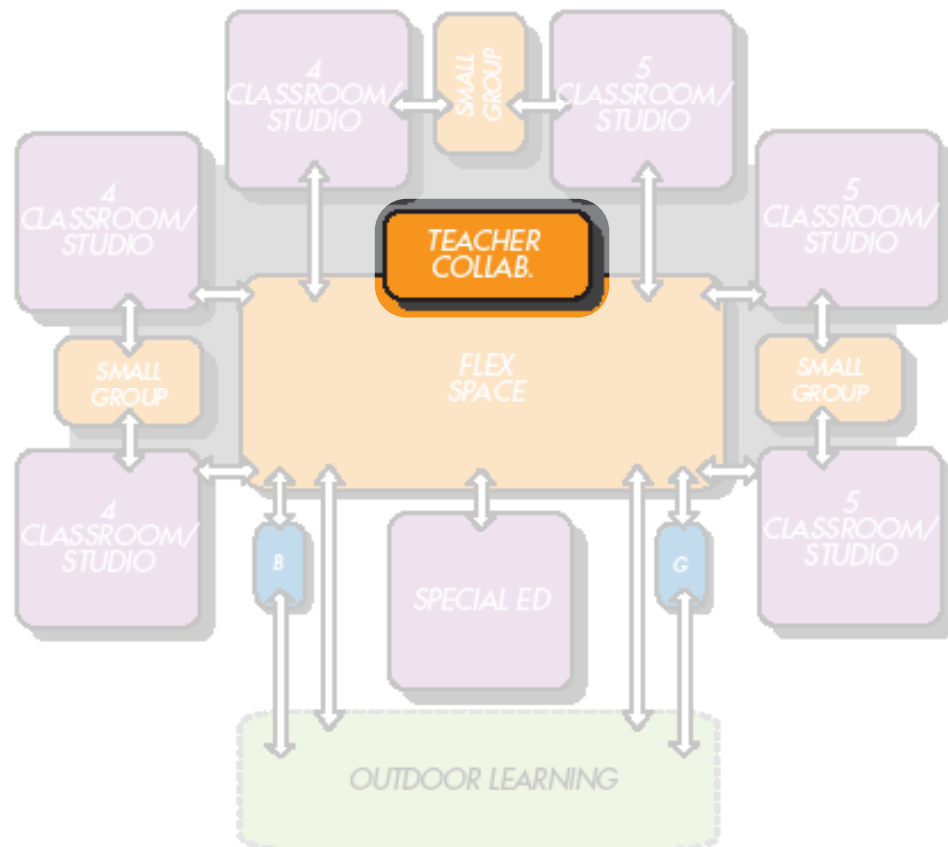
OCCUPANTS: Varies

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



BUILDING SYSTEM REQUIREMENTS

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ELECTRICAL / LIGHTING

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- Clean, segregated power distribution with surge suppression
- Power for office machines
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