

TK-8 EDUCATIONAL SPECIFICATIONS

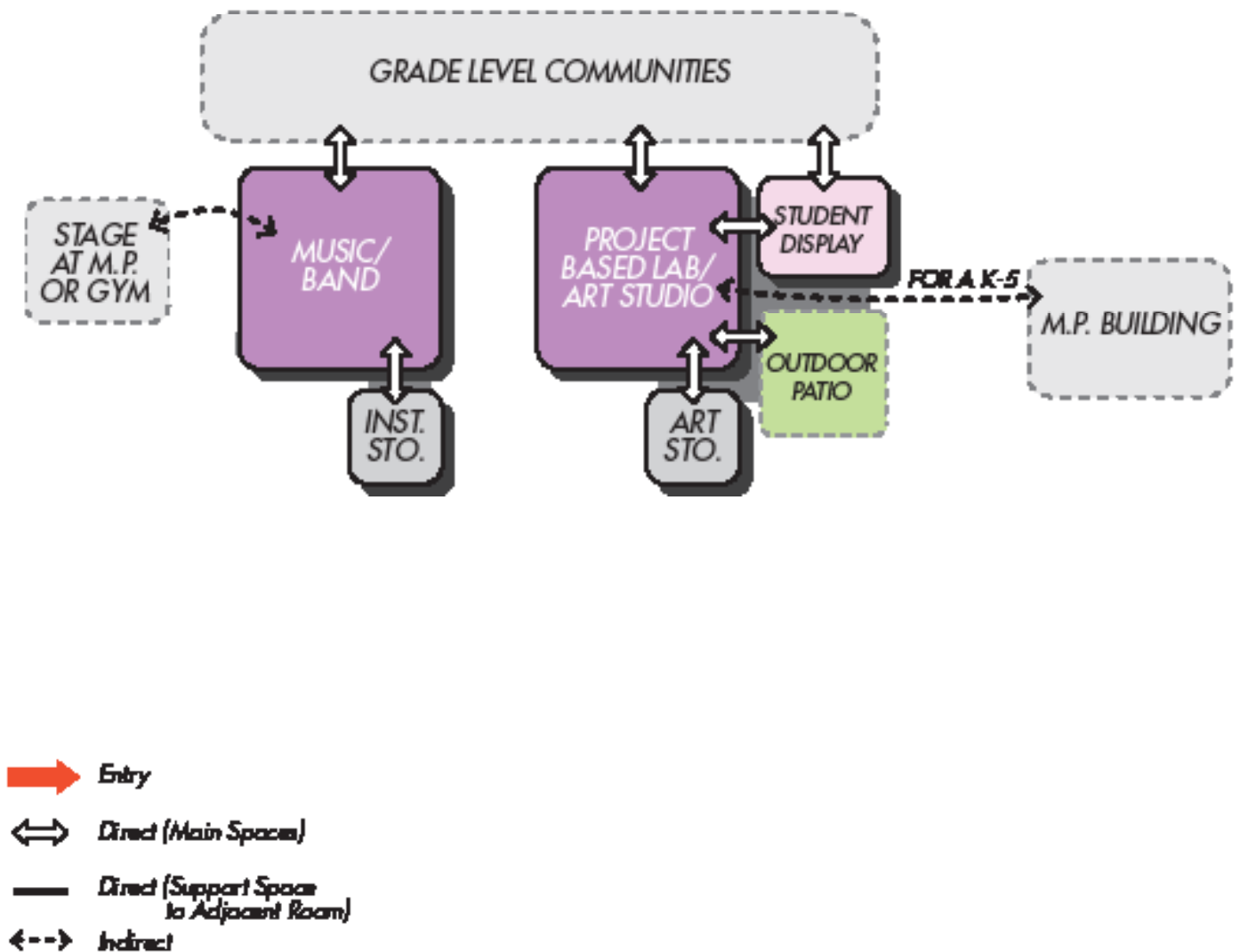
SPECIALTY LABS



DESCRIPTION / GOALS

- The Project Lab/Art Studio is intended to provide space for project-based learning curricula. The lab should be flexible as a variety of subject matter and activities will be engaged in these spaces.
- At the elementary school the Project Lab/Art Studio should be near or off of the multi-purpose building space.
- The Outdoor Area is a critical component of the Project Lab/Art Studio. It should be of a size to allow multiple groups to work on projects simultaneously and there should be visual transparency between the lab and the patio. The ability to create a true physical connection between indoors and outdoors - such as through the use of a roll-up or garage door - is preferred.
- The Music/Band room will be used for a variety of music lessons for grades 2-8. There will be no music for TK-1st grades in the District.
- The Music/Band Room should have a relationship to the stage within the MP Room or the Gymnasium depending whether it is an elementary school or a K-8 school.

ADJACENCY DIAGRAM



ROOM TYPE:

MUSIC/BAND ROOM

SIZE: 1600 sf

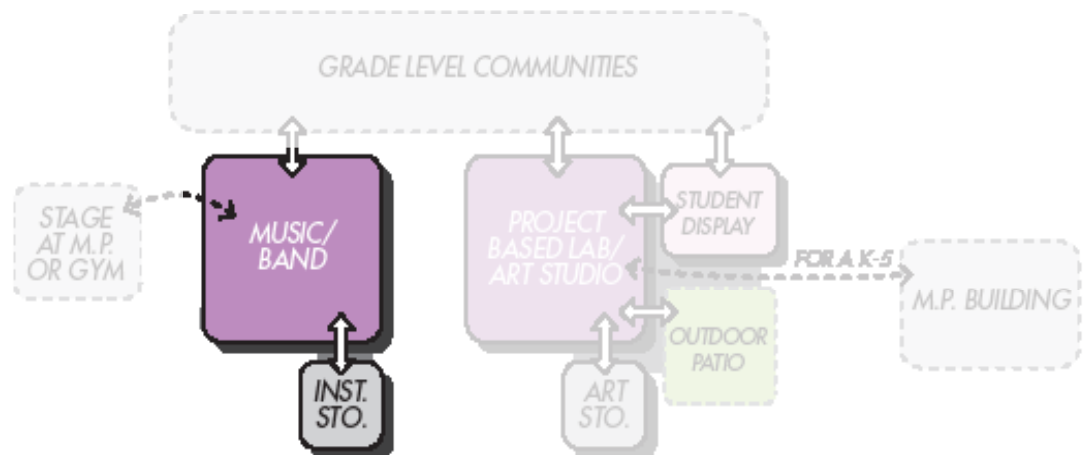
OCCUPANTS: up to 60 students, 1 instructor

ACTIVITIES AND USES

Music instruction for grades 2-5 and through to the 8th grade for a K-8 and Middle School Band. Elementary students will practice more rhythm and recorder type instrument instruction. For the middle school there is the opportunity for a full band. The Music/Band Room should have close proximity to the stage.

SUPPORT SPACES

- Instrument storage: 200 sf



SPECIAL CONSIDERATIONS

- Ceiling material: acoustic ceiling tile
- Ceiling height: Ceiling height: 18' to 22' preferred (500-700 cu.ft./musician is suggested)
- Wall material: acoustic wall panels for reverberation/flutter echo/acoustic design requirements
- One wall tackable wall surface
- Floor material: carpet or linoleum product
- Flat Floor
- High STC rated walls between adjacent spaces; recommend 55-60 STC unless noted otherwise
- 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
- Various diffusers and reflectors on walls and ceiling to aid in acoustics in room for a variety of musical performance and instruction



FURNITURE / EQUIPMENT/ MILLWORK

- (1) instructor lab/portable demonstration station (instructor should be mobile with in the classroom)
- (60) student chairs
- (60) music stands
- (6) 54" x 64" student work tables w/ 4 seats per table or (12) 36" x 56" student work tables w/ 2 seats per table
- (1) 80" TV monitor display w/ wall bracket
- (1) 55" TV monitor display w/ wall bracket
- (1) 4' x 12' marker board or marker wall
- (2) 4' x 6' tackboards
- Wall cabinets with adjustable shelving and hinged doors above base cabinets, locks (verify locations)
- File cabinets for sheet music storage
- (2) 4' x 8' marker board - 1 with permanent staff lines or marker wall
- (2) 4' x 6' tackboards
- Instrument locker storage for storage of instruments, verify number and types of instruments. Lockers shall be lockable with a front grille door for vision.
- Instrument racks - consult w/ site for specific needs

DOORS / WINDOWS

- Natural light desirable (north light preferred)
- Skylights acceptable
- Window coverings as required to control glare and to darken space
- Acoustically rated glazing at interior windows
- Ability to lock down door
- Acoustically rated doors w/ sound seals on all sides
- Keyless electronic lock access

ROOM TYPE:

MUSIC/BAND ROOM (CONTINUED)

BUILDING SYSTEM REQUIREMENTS

MECHANICAL

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

PLUMBING

- (4) stainless steel 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
- Lighting: per IES Lighting Handbook guidelines

TECHNOLOGY

INSTRUMENTS

*Verify number of instruments to store in room

- Piccolos
- Oboes
- English horns
- Clarinets
- Bass clarinets
- Bassoons
- French Horns
- Trumpets
- Trombones
- Baritones
- Tubas
- Snare drum
- Base drum
- Gong
- Cymbals
- Marimba
- Xylophone
- Bells
- Vibraphone
- Flutes
- Alto clarinet
- Alto sax
- Tenor sax
- Baritone sax
- Violins
- Violas
- Violoncello
- Double bass
- Piano

- Refer to the "District Wide Instructional Technology Plan" for school campus requirements
- Telephone/intercom handset, VoIP on wall.
- Intercom speaker
- 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
- Speaker system with volume control
- Sound system with 24 channel surround sound speakers with mixing and recording capability
- Conduit from sound system cabinet to speaker and microphone locations (verify junction box number and locations)

ROOM TYPE:

PROJECT BASED LAB / ART STUDIO

SIZE: 1300 sf

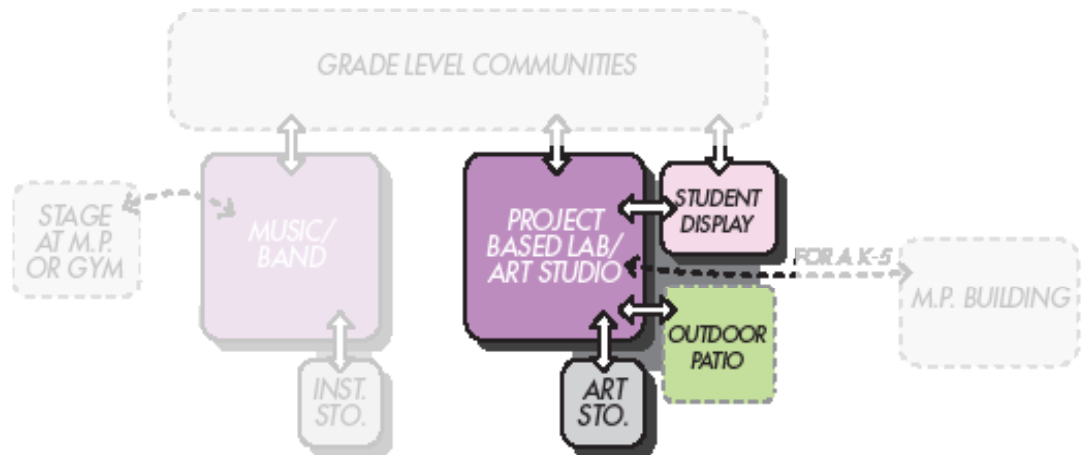
OCCUPANTS: Varies

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. Intended to be a “messy” space. At the elementary school, the project Lab/Art Studio may be near or adjacent to the Multi-Purpose Room.

SUPPORT SPACES

- Art storage: 200 sf
- Student display: 150 sf
- Outdoor 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)
- (8.5) 54" x 64" student work tables w/ 4 seats per table or (17) 36" x 56" student work tables w/ 2 seats per table
- (1) 80" TV monitor display w/ wall bracket
- (1) 55" TV monitor display w/ 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)
- Shelves for project storage in kiln room
- (1) 4' x 12' marker board or marker wall
- (2) 4' x 6' tackboards
- Corridor/exterior lockable display cases



ROOM TYPE:

**PROJECT BASED LAB / ART STUDIO
(CONTINUED)**

BUILDING SYSTEM REQUIREMENTS

MECHANICAL

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

PLUMBING

- (4) stainless steel 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 on wall.
- Intercom speaker
- 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
- Speaker system with volume control