HIGH SCHOOL
EDUCATIONAL SPECIFICATIONS

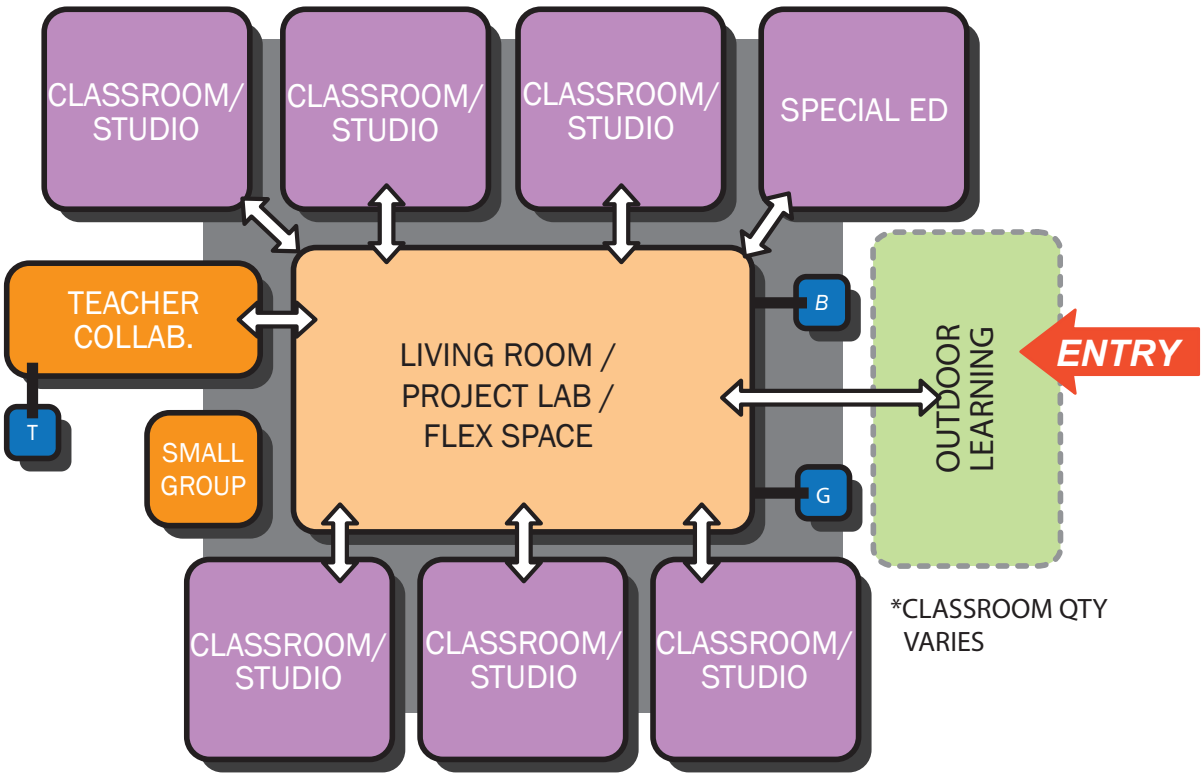
COMPONENT:

ACADEMIC LEARNING COMMUNITY

DESCRIPTION/GOALS

- The Academy / Learning Communities are the instructional centers of the campus housing flexible, adaptable 21st-Century Learning studios or Commons / Living Rooms, project labs, and both teacher and student workrooms. These communities provide spaces for large collaborative work areas between class groups as well as small focused group areas.
- Creating a collaborative learning environment in which teachers and students work together to ensure high achievement is of paramount importance.
- Maximum flexibility from studio infrastructure and furniture arrangement
- Connection between learning spaces
- 21st-Century Learning Technology Infrastructure
- Aesthetic: student focused, non-institutional, while at the same time either non-specific or readily adaptable for future reconfigurations
- Students should feel like human beings and a part of a learning community and NOT an institution.

ADJACENCY DIAGRAM



ROOM TYPE:

COMMONS / LIVING ROOM

SIZE: 2000 sf

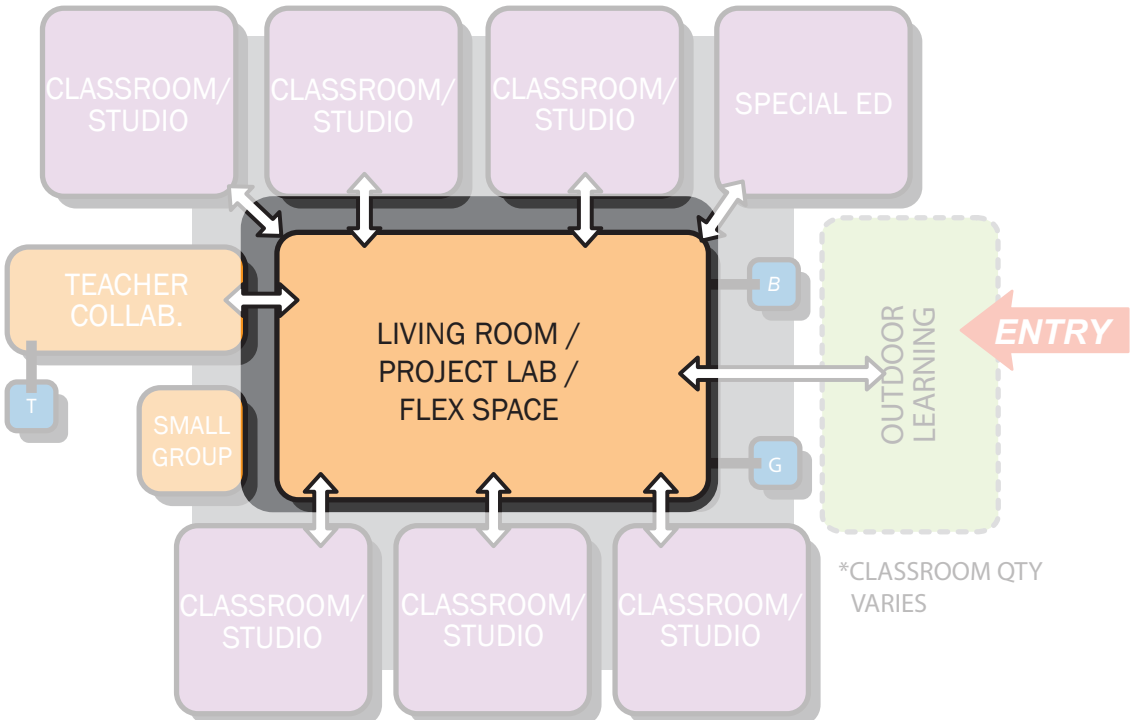
OCCUPANTS: 150, Varies

ACTIVITIES AND USES

Flexible learning common space for small and large learning groups, activities to include student gathering, large group assembl
instructional and community use.

SUPPORT SPACES

- None



SPECIAL CONSIDERATIONS

- Ceiling material: acoustic ceiling tile or exposed structure
- Ceiling height: 12'-0" min.
- Wall material: painted gypsum board - consideration given to protective wall covering up to 4'
- One wall tackable surface
- Floor material: vinyl composite 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
- Min. 50 STC rating between commons and adjacent instructional spaces
- Accommodations for relocation / reconfiguration of study and seating
- Potential use of school colors, logo, etc.

DOORS / WINDOWS

- Door with view panel
- Energy efficient windows with blinds
- Skylights acceptable
- Large windows to exterior - natural light desirable

FURNITURE / EQUIPMENT/ MILLWORK

- Multiple mobile food serving stations
- (22) 5' Diameter round tables with (7) stacking / nesting chairs per table -OR-
- (13) 12-person rectangular dining tables with bench seats or some combination there of
- TV monitor display w/ wall-mount bracket
- Mobile casual lounge seating
- Markerboard: (2) 4' x 12' or marker wall
- Tackboard: (2) 4' x 4'

BUILDING SYSTEM REQUIREMENTS

MECHANICAL

- Independent temperature control of area within flexible range set by district's EMS system
- Room temperature sensor connected to campus EMS
- Fire alarm/suppression as required

PLUMBING

- (1) Drinking fountain

ELECTRICAL / LIGHTING

- Outlets for general room and workstation use
- Clean, segregated power distribution with surge suppression
- Multiple floor outlets for mobile serving stations
- Lighting: per IES Lighting Handbook guidelines
- Ability to dim room in response to video projection

TECHNOLOGY

- Telephone / intercom handset, VoIP
- Intercom speaker with outlet
- Hardwired video outlet to permit receiving video transmission from on-campus distribution system to TV monitor display for campus announcements and/or scrolling security cameras
- Local area network connectivity for mobile serving stations
- Wireless access capable for most computer communications/applications

ROOM TYPE:

LEARNING STUDIO / CLASSROOM

SIZE: 960 sf

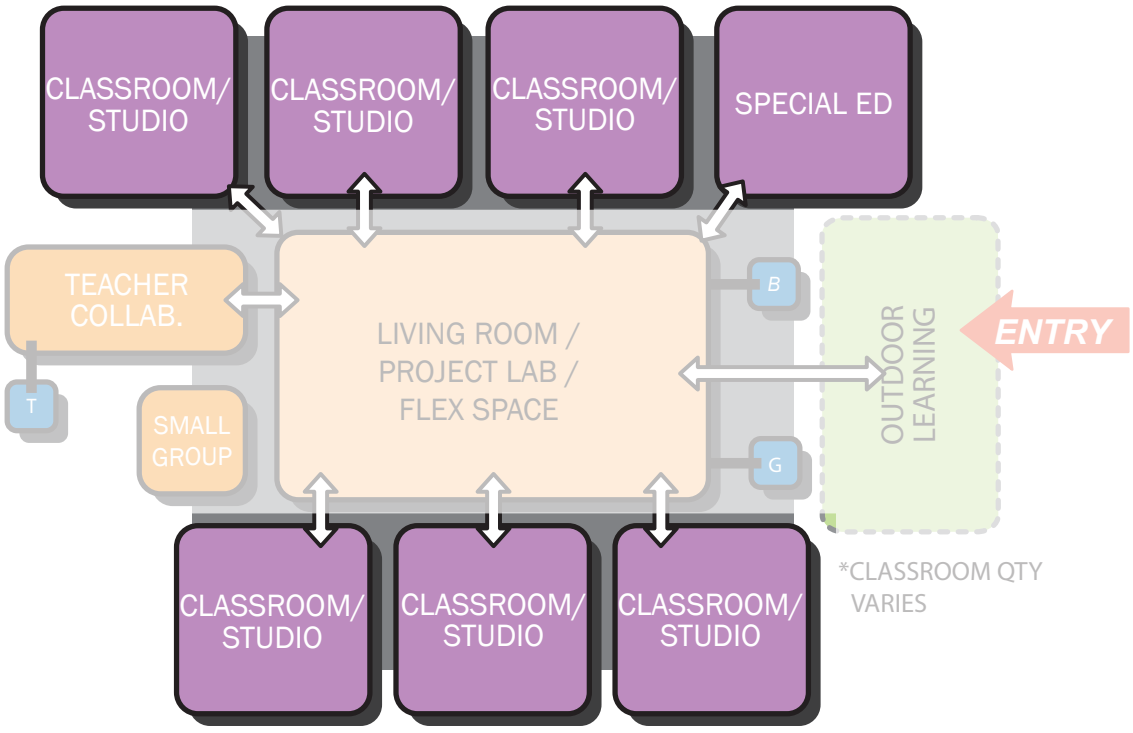
OCCUPANTS: 1 instructor, 29 students

ACTIVITIES AND USES

The learning studio provides flexible classroom space for whole and small group lecture/discussion, individual, cooperative, and collaborative teaching and learning activities, instructor group tutoring, peer tutoring, and student testing. Adaptable for multiple uses, multiple modes of learning including seminar, small group work, project/build work and independent work, abundant infrastructure and the greatest flexibility of space.

SUPPORT SPACES

- None



SPECIAL CONSIDERATIONS

- Ceiling material: acoustic ceiling tile
- Ceiling height: 9'-0" min.
- Wall material: painted gypsum board or concrete block
- 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
- 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 providing the ability to darken space
- Skylights acceptable
- Keyless electronic lock access
- Ability to lock down door

FURNITURE / EQUIPMENT/ MILLWORK

- (1) instructor workstation
- (30) student workstations and/or (4-6) desktop computer workstations
- (1) 80" TV monitor display
- (1) 50"-55" TV monitor display
- (2) TV monitor wall-mount brackets
- Digital document camera (Elmo) and/or interactive/"smart" board
- Clock
- (2) 4' x 12' markerboards or marker wall
- (4) 4' x 6' tackboards
- Base cabinets with counter work surface, adjustable shelving and hinged doors and drawers, countertop sink, and 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

BUILDING SYSTEM REQUIREMENTS

MECHANICAL

- Independent temperature control of room within flexible range set by district's EMS system
- Room temperature sensor connected to campus EMS
- Fire alarm/suppression as required
-

PLUMBING

- Counter sink with drinking fountain bubbler

ELECTRICAL / LIGHTING

- Outlets for general room, instructor workstation, digital document camera, laptop computer charging and student computer workstations, TV monitor display locations
- Clean, segregated power distribution with surge suppression
- Glare reducing lenses
- Independentlay controlled banks of adjustable lightingLighting: per IES Lighting Handbook guidelines

TECHNOLOGY

- Telephone/intercom handset, VoIP
- Hardwired outlet to receive transmission from on-campus distribution system at TV monitor display and three additional hardwired drops for Apple TV and Mac Mini
- 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:

TEACHER COLLABORATION / LOUNGE

SIZE: 400 sf

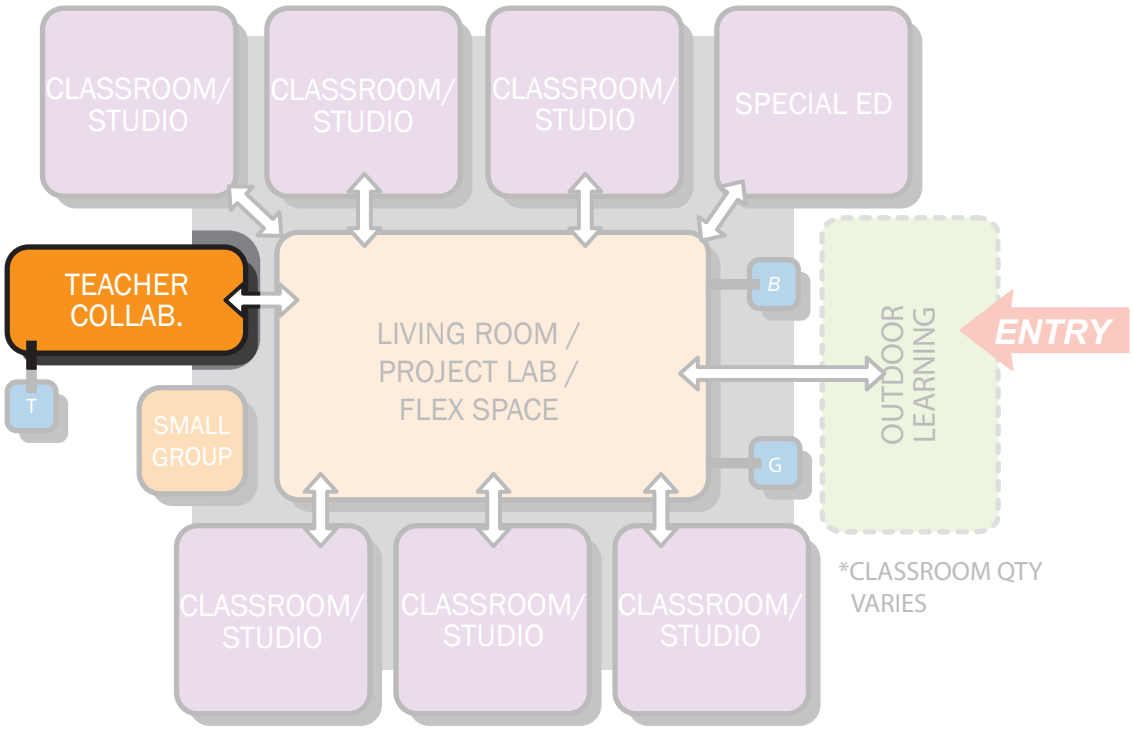
OCCUPANTS: Varies

ACTIVITIES AND USES

Office space to develop curricula, prepare instructional materials, confer with colleagues, assist students and conduct activities related to the business of teaching and learning. Activities also include informal and formal conferences and consultations with colleagues and staff; design and processing of course handouts, and examinations; assessing critiquing and evaluating student projects, papers, and examinations; researching, corresponding, and developing classroom materials.

SUPPORT SPACES

- Staff toilets: 60 sf



SPECIAL CONSIDERATIONS

- Ceiling material: acoustic ceiling tile
- Ceiling height: 9'-0" min.
- Wall material: painted gypsum board
- One wall tackable surface
- Floor material: vinyl composite 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

- Door with view panel
- Energy efficient windows with blinds
- Skylights acceptable
- Large windows to exterior - natural light desirable

FURNITURE / EQUIPMENT/ MILLWORK

- (2) Instructor workstations
- Work / conference table (seated height) with 8 chairs
- Base cabinets with work area, counter top sink, and upper storage
- Wardrobe storage unit (with lock)
- Full height storage unit (with lock)
- Copier
- Laptop cart for secure storage
- Small refrigerator
- Storage cabinets (with locks)
- Markerboard: (1) 4' x 12' or marker wall
- Tackboard: (2) 4' x 4'
- Clock

BUILDING SYSTEM REQUIREMENTS

MECHANICAL

- Independent temperature control of area within flexible range set by district's EMS system
- Room temperature sensor connected to campus EMS
- Fire alarm/suppression as required

PLUMBING

- Sink with hot and cold water

ELECTRICAL / LIGHTING

- Outlets for general room and workstation use
- Clean, segregated power distribution with surge suppression
- Additional as required for production equipment
- Lighting: per IES Lighting Handbook guidelines
- Ability to dim room in response to video projection

TECHNOLOGY

- Telephone / intercom handset, VoIP
- Intercom speaker with outlet
- Hardwired video outlet to permit taping of in-room activities, transmitting to on-campus locations, and receiving video transmission from on-campus distribution system
- Local area network connectivity
- Wireless access capable for most computer communications/applications

ROOM TYPE:

SMALL GROUP

SIZE: 200 sf

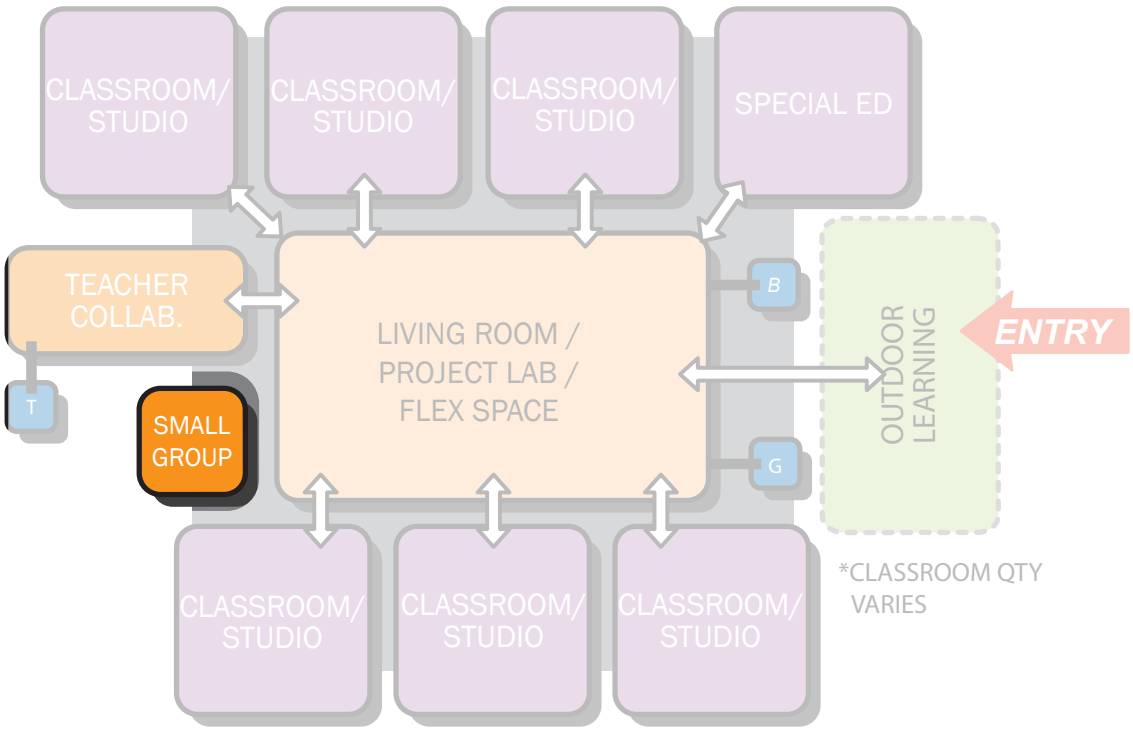
OCCUPANTS: 6

ACTIVITIES AND USES

Small group meeting room for use by students, faculty, and staff.

SUPPORT SPACES

- None



SPECIAL CONSIDERATIONS

- Ceiling material: acoustic ceiling tile
- Ceiling height: 9'-0" min.
- Wall material: painted gypsum board
- One wall tackable surface
- Floor material: 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
- Min. 55 STC rating between room and adjacent teaching spaces

DOORS / WINDOWS

- Door with view panel
- Energy efficient windows with blinds
- Skylights acceptable
- Large windows to exterior - natural light desirable

FURNITURE / EQUIPMENT/ MILLWORK

- Small conference table with (6-8) chairs
- Markerboard: (1) 4' x 12' or marker wall
- Tackboard: (2) 4' x 4'
- Clock

BUILDING SYSTEM REQUIREMENTS

MECHANICAL

- Independent temperature control of area within flexible range set by district's EMS system
- Room temperature sensor connected to campus EMS
- Fire alarm/suppression as required

PLUMBING

- N/A

ELECTRICAL / LIGHTING

- Outlets for general room and workstation use
- Clean, segregated power distribution with surge suppression
- Lighting: per IES Lighting Handbook guidelines
- Ability to dim room in response to video projection

TECHNOLOGY

- Telephone / intercom handset, VoIP
- Intercom speaker with outlet
- Hardwired video outlet to permit taping of in-room activities, transmitting to on-campus locations, and receiving video transmission from on-campus distribution system
- Local area network connectivity
- Wireless access capable for most computer communications/applications

ROOM TYPE:

PROJECT LAB

SIZE: 4000 sf

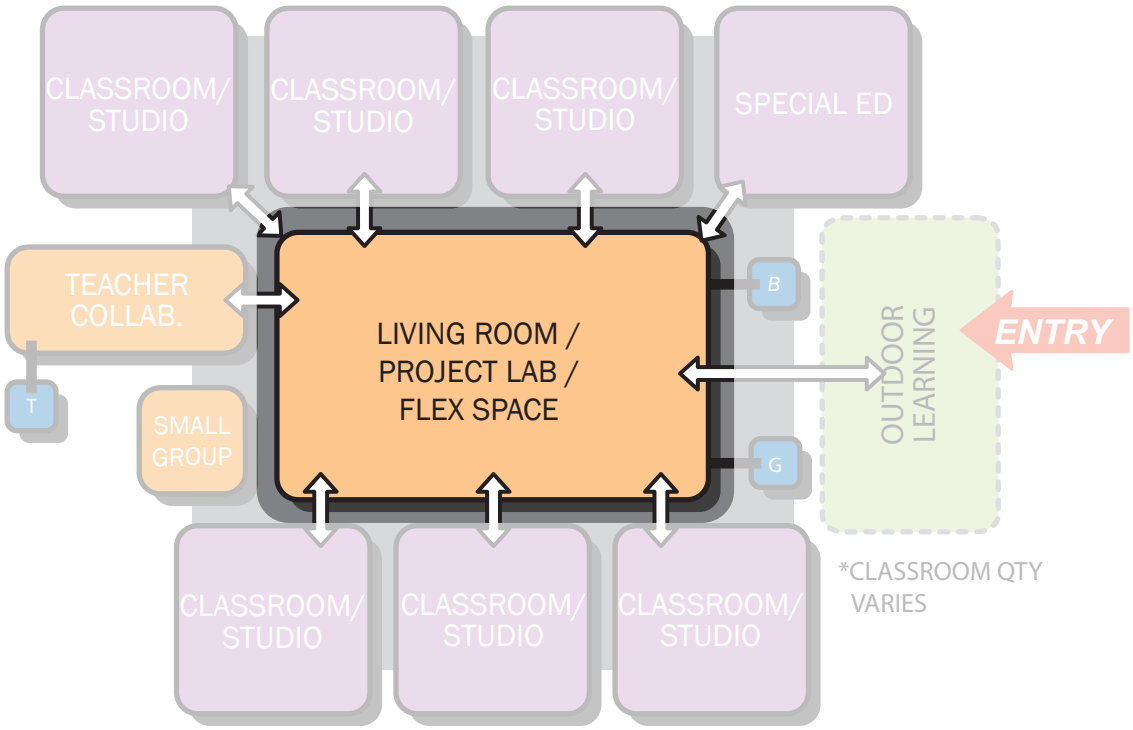
OCCUPANTS: 1 instructor, 29 students

ACTIVITIES AND USES

A flexible lab space for 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. Space can be used for specialty classes such as additional science, home ec, art or technology classes.

SUPPORT SPACES

- None



SPECIAL CONSIDERATIONS

- Ceiling material: acoustic ceiling tile
- Ceiling height: 9'-0" min.
- Wall material: painted gypsum board
- One wall tackable surface
- Floor material: vinyl composite 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

- Door with view panel
- Energy efficient windows with blinds
- Skylights acceptable
- Large windows to exterior - natural light desirable

FURNITURE / EQUIPMENT/ MILLWORK

- (1) Mobile instructor workstation
- Technology console
- Flexible tables and stacking / nesting chairs for 36 students
- (1) 80" TV monitor display
- Storage cabinets (with locks)
- Markerboard: (2) 4' x 12' or marker wall
- Tackboard: (2) 4' x 4'

BUILDING SYSTEM REQUIREMENTS

MECHANICAL

- Independent temperature control of area within flexible range set by district's EMS system
- Room temperature sensor connected to campus EMS
- Fire alarm/suppression as required

PLUMBING

- Sink with hot and cold water

ELECTRICAL / LIGHTING

- Outlets for general room and workstation use
- Clean, segregated power distribution with surge suppression
- Lighting: per IES Lighting Handbook guidelines
- Ability to dim room in response to video projection

TECHNOLOGY

- Telephone / intercom handset, VoIP
- Intercom speaker with outlet
- Hardwired video outlet to permit taping of in-room activities, transmitting to on-campus locations, and receiving video transmission from on-campus distribution system at TV monitor display
- Local area network connectivity
- Wireless access capable for most computer communications/applications