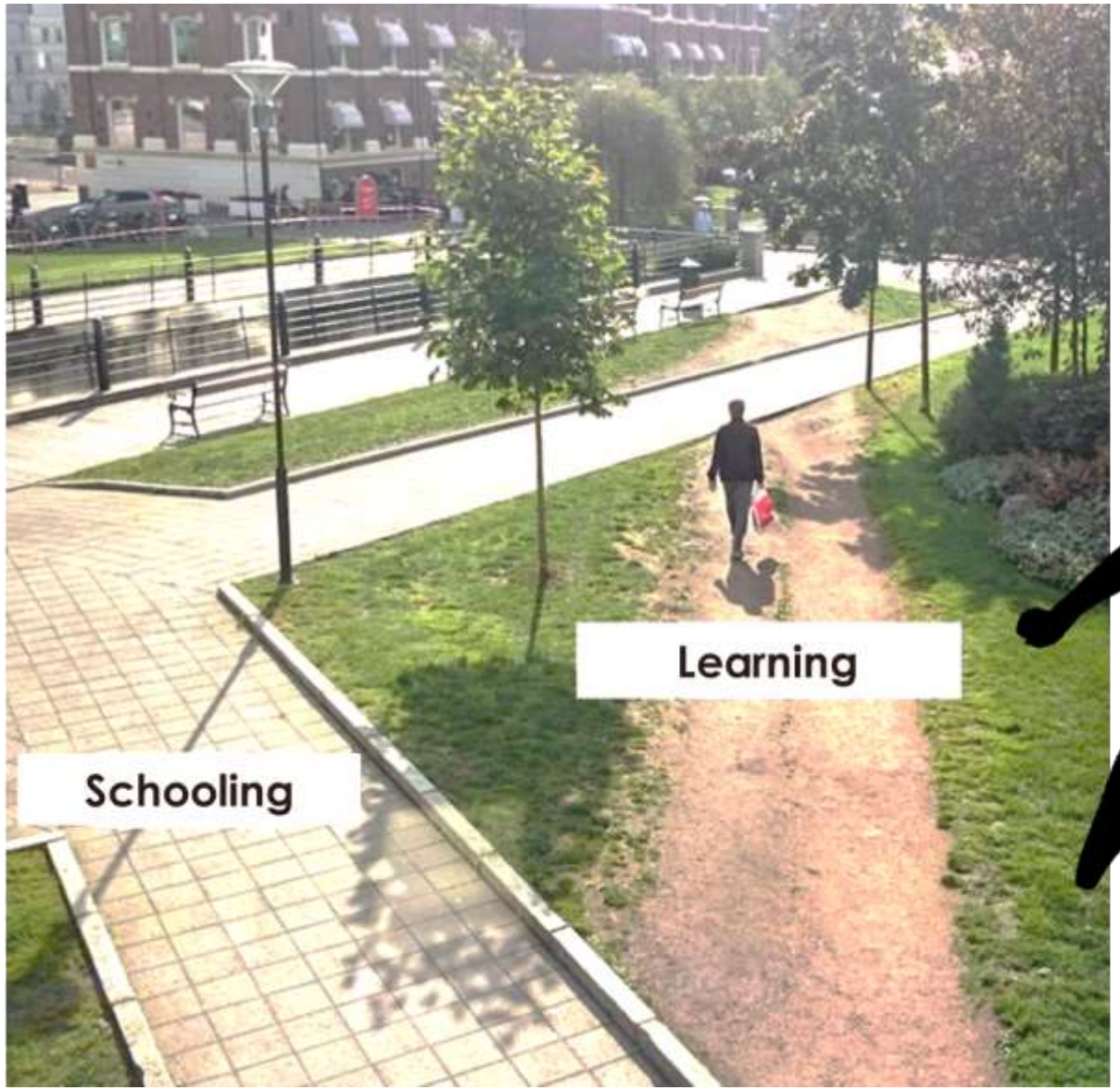
BOULDER VALLEY SCHOOL DISTRICT RE-2

# NEW VISTA HIGH SCHOOL

MOA ARCHITECTURE



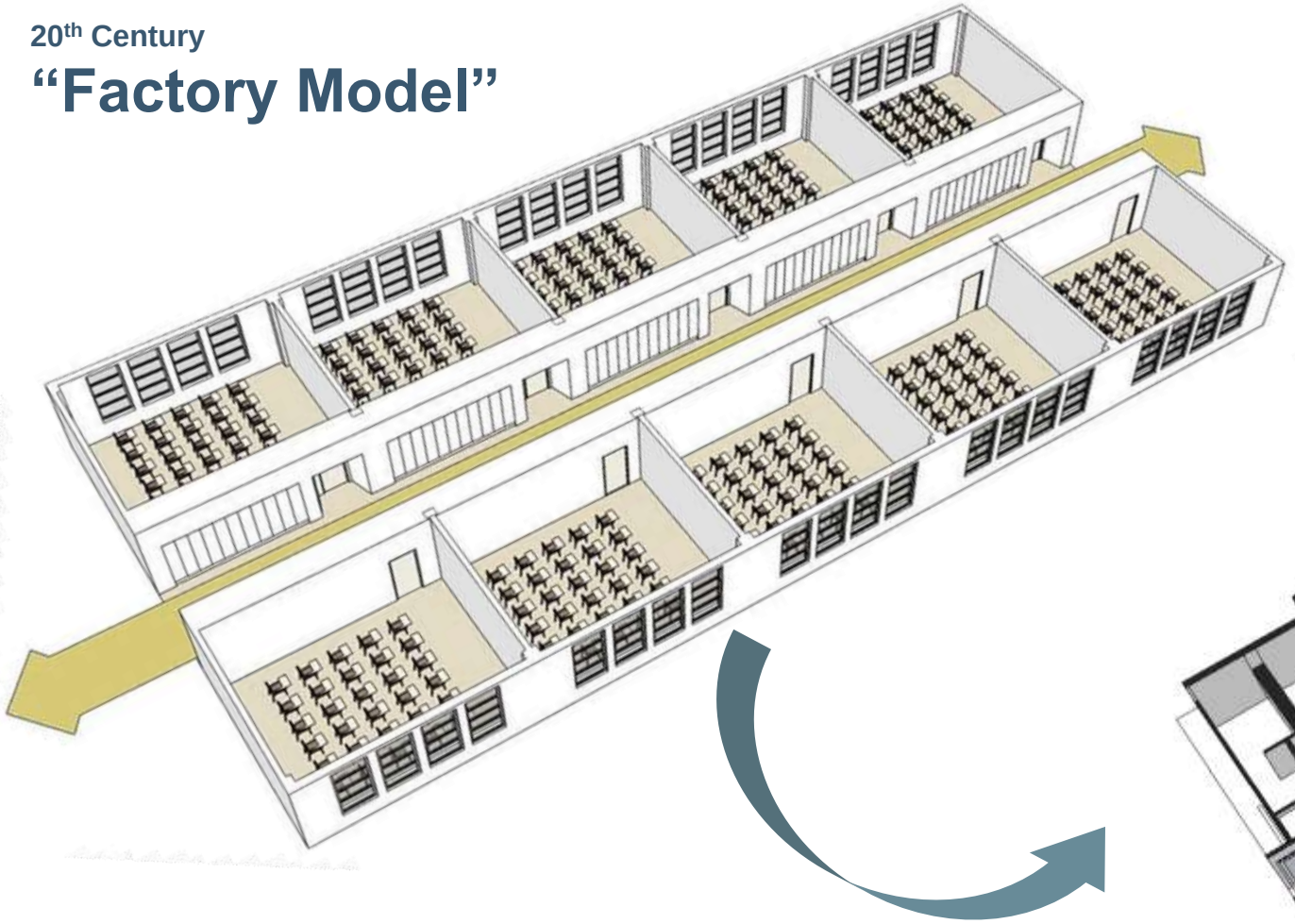
MOA ARCHITECTURE

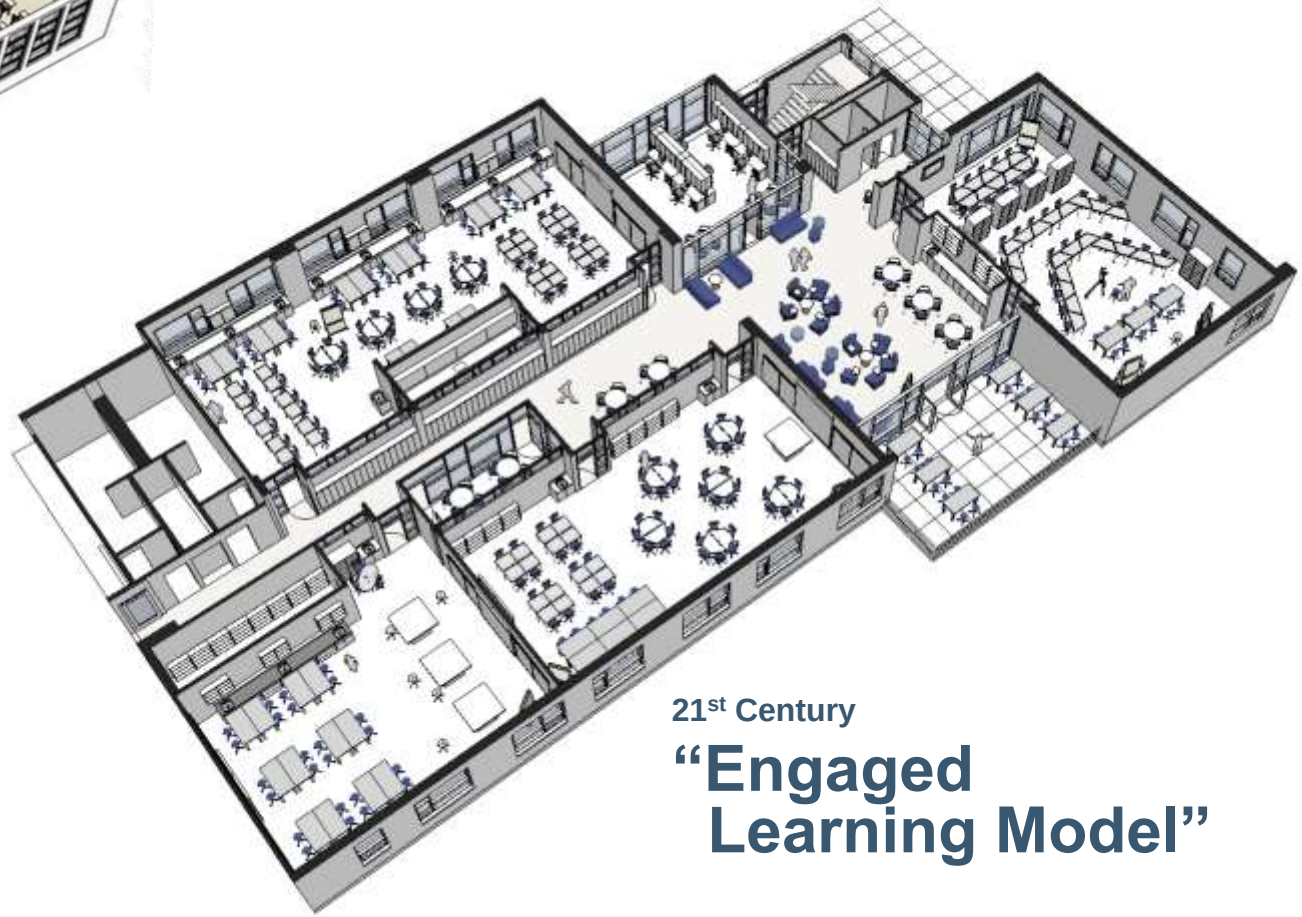
brain SPACES
UNITING EDUCATION & ARCHITECTURE

# Focus on Learners

20th Century

## "Factory Model"





21st Century

## "Engaged Learning Model"

MOA ARCHITECTURE

brain SPACES UNITING EDUCATION & ARCHITECTURE

# Focus on Learners

# Where We've Been

## Accommodating Needs

- capacity / demographics
- support teaching
- safety / security
- code compliance
- healthy systems
- technology

# Where We're Going

## Inspiring Futures

- brain-based
- future aware
- connected
- adaptable
- experiential

MOA ARCHITECTURE

brain shift happens

Increase **motivation** through:

Increase **apathy** through:

## Choices
Provide choices for content, timing, work partners, projects, process, environment, or resources

## Requirements
Fully directed activities, no student input, restricted resources, limited teamwork

## Relevance
Personal, applicable, relate to family. neighborhood, city, health, etc.

## Irrelevance
Impersonal, useless, out of context, testing/ standards-based

## Engagement
Emotional, energetic, physical; use learner-imposed schedules and peer support.

## Passivity
Disconnected from the real world, low interaction, lecture, seatwork, isolation, etc.

source: Teaching with the Brain in Mind, by Eric Jensen

MOA ARCHITECTURE

brainSPACES
UNITING EDUCATION & ARCHITECTURE

# Next Generation Learning

# Research: Neuroscience & Education

- **ENJOYABLE ACTIVITIES**
  dopamine enhances learning naturally and chemically, reduces the secretion of stress hormones
- **FUN + CHALLENGING**
  effective approaches combine FUN with progressively increasing CHALLENGES
- **MOVEMENT IMPROVES LEARNING**
  increases pre-frontal cortex activity which builds cognitive ability
- **THE WHOLE CHILD**
  SOCIAL & EMOTIONAL development accelerate achievement

source: Sandra Aamodt & Sam Wang "Welcome to Your Child's Brain: How the Mind Grows From Conception to College"

- **INTERNAL MOTIVATION is one of the most powerful tools for learning.**

MOA ARCHITECTURE

brainSPACES
UNITING EDUCATION & ARCHITECTURE

# EMERGING THEMES

- ❑ BELONGING
- ❑ COLLABORATION
- ❑ HEALTH
- ❑ INSPIRATION
- ❑ ADAPTABILITY
- ❑ DIVERSITY
- ❑ COMMUNITY
- ❑ STEWARDSHIP

## Purpose, Caring, and Belonging

Connect to a common purpose to build strong, lasting relationships
The overall feel that the whole school building is immersed in the program
Relationships, community experience, small class sizes, advisor program
Showcase student work, visible student demonstrations of learning

## Collaboration & Connectedness

Space that implicitly promotes community
Cross-curricular connections, collaboration and inclusiveness

## Health, Wellbeing, and Fitness

Promote wellness through programs and activities
Inviting, comfortable environments with daylight, views, and good indoor air quality
Connections to outside activities and fresh air

## Innovative Programs, Tools, Spaces, and Resources

Innovative programs that attract and inspire creative students / thinkers
Support teachers and staff with appropriate tools, space, time and resources
Offer specialty / magnet / non-traditional programs (such as bike tech and ski tech)

# EMERGING THEMES

- ❑ BELONGING
- ❑ COLLABORATION
- ❑ HEALTH
- ❑ INSPIRATION
- ❑ ADAPTABILITY
- ❑ DIVERSITY
- ❑ COMMUNITY
- ❑ STEWARDSHIP

## Adaptable and Flexible Environments

Adaptability to support multiple cross-disciplinary programs and activities
Spaces "right-sized" to accommodate various activities, groupings, furniture, etc.
Support concurrent activities/programs (including community events)
Design to accommodate innovation and change over time

## Support Diverse Needs & Interests of all Occupants

Celebrate diversity and welcome differences.
Recognize and embrace unique learning styles, interests, and abilities.
Employ universal design principles for wayfinding, navigation, and flow of occupants
Safe, comfortable spaces for teenagers to hang out
Allow students to have choices, take breaks, host clubs, and study

## Community Engagement

Create a conduit between BVSD, CU and the surrounding neighborhood
Spaces can function differently throughout the day and into the evening
Visibility from the community, source of pride

## Environmental Stewardship

Net Zero Energy – as both teaching tool and energy conservation
Connections to nature

| | COMPETITION PROGRAM | | | ADJUSTED PROGRAM: DRAFT | | |
|---|---|---|---|---|---|---|
| **1.00 Core Instruction & Supports** | Net S.F. | # T.S. | Capacity | Net S.F. | # T.S. | Capacity |
| 1.01 Core Learning | 15,600 | 13 | 260 | 16,050 | 16 | 320 |
| 1.02 Learning Support | 1,650 | 0 | 0 | 800 | 0 | 0 |
| | ***17,250*** | ***13*** | **260** | ***16,850*** | ***16*** | **320** |
| **2.00 Activity Programs** | Net S.F. | # T.S. | Capacity | Net S.F. | # T.S. | Capacity |
| 2.01 Physical Education | 4,420 | 1 | 20 | 4,400 | 1 | 20 |
| 2.02 Design/Innovation Center | 4,550 | 2 | 40 | 5,050 | 3 | 60 |
| 2.03 Music | 1,840 | 1 | 20 | 1,800 | 1 | 20 |
| | ***10,810*** | ***4*** | **80** | ***11,250*** | ***5*** | **100** |
| **3.00 Community Commons** | Net S.F. | # T.S. | | Net S.F. | # T.S. | |
| 3.01 Performance Commons | 6,450 | 0 | 0 | 6,525 | 0 | 0 |
| 3.02 Learning Commons | 3,500 | 0 | 0 | 3,800 | 0 | 0 |
| 3.03 Dining Commons | 3,900 | 0 | 0 | 3,975 | 0 | 0 |
| 3.04 Faculty Commons | 400 | 0 | 0 | 600 | 0 | 0 |
| | ***14,250*** | ***0*** | **0** | ***14,900*** | ***0*** | **0** |
| **4.00 Admin. & Student Services** | Net S.F. | # T.S. | | Net S.F. | # T.S. | |
| 4.01 School Administration | 1,960 | 0 | 0 | 1,980 | 0 | 0 |
| 4.02 Student Services | 780 | 0 | 0 | 780 | 0 | 0 |
| 4.03 Health Office | 240 | 0 | 0 | 240 | 0 | 0 |
| | ***2,980*** | ***0*** | **0** | ***3,000*** | ***0*** | **0** |
| **5.00 Building Support** | Net S.F. | # T.S. | | Net S.F. | # T.S. | |
| 5.01 Maintenance/Custodial | 1,300 | | | 1,300 | | |
| 5.02 Mechanical/Electrical | 0 | | | 0 | | |
| 5.03 Building Support | 0 | | | 200 | | |
| | ***1,300*** | 0 | 0 | ***1,500*** | 0 | 0 |
| | | | capacity | | | capacity |
| | Total Net S.F. | # T.S. | @ 100% | Total Net S.F. | # T.S. | @ 100% |
| ***NET AREA TOTAL*** | ***46,590*** | ***17*** | 340 | ***47,500*** | ***21*** | 420 |

MOA ARCHITECTURE

brain SPACES UNITING EDUCATION & ARCHITECTURE

# Space Program Ideas

# 1.0 Core Instruction & Supports

| | | COMPETITION PROGRAM | | | | | ADJUSTED PROGRAM: DRAFT | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **1.01** | **Core Learning** | Qty. | Net S.F. | Total Net S.F. | # T.S. | Capacity | Qty. | Net S.F. | Total Net S.F. | # T.S. | Capacity | **NOTES** |
| .01 | Core Learning Studios | 12 | 850 | 10,200 | 10 | 200 | 10 | 850 | 8,500 | 10 | 200 | Comp: 2 Crs not included in TS total |
| shift .02 | Seminar Studios | | | - | 0 | - | 6 | 425 | 2,550 | 3 | 60 | 2 may be combined as needed into one larger room |
| .03 | Small Group / Think Tanks | 4 | 300 | 1,200 | | - | 4 | 200 | 800 | | - | |
| .04 | Science Learning Labs | 3 | 1,100 | 3,300 | 3 | 60 | 3 | 1,100 | 3,300 | 3 | 60 | |
| .05 | Science Storage | 1 | 200 | 200 | | - | 1 | 200 | 200 | | - | |
| .06 | Science Prep | 2 | 150 | 300 | | - | 2 | 150 | 300 | | - | |
| .07 | Teacher Planning / Work Room | 1 | 400 | 400 | | - | 1 | 500 | 500 | | - | Include restroom(s)? storage? |
| .08 | | | | - | | - | | | - | | - | |
| .09 | | | | - | | - | | | - | | - | |
| .10 | | | | - | | - | | | - | | - | |
| | | | | ***15,600*** | ***13*** | ***260*** | | | ***16,150*** | ***16*** | ***320*** | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1.02** | **Learning Support** | Qty. | Net S.F. | Total Net S.F. | # T.S. | Capacity | Qty. | Net S.F. | Total Net S.F. | # T.S. | Capacity | **NOTES** |
| .01 | Resource/SpEd Classroom | 1 | 850 | 850 | | - | 0 | 850 | - | | - | Inclusion strategy - no need for SpEd Classroom |
| .02 | Intervention / Calming / Sensory | 1 | 600 | 600 | | - | 1 | 600 | 600 | | - | |
| .03 | Itinerant Office (shared, for 3 people) | 1 | 200 | 200 | | - | 1 | 200 | 200 | | - | 3 workstations |
| .04 | | | | - | | - | | | - | | - | |
| .05 | | | | - | | - | | | - | | - | |
| | | | | ***1,650*** | ***0*** | ***0*** | | | ***800*** | ***0*** | ***0*** | |
| | | | | (square feet) | | | | | (square feet) | | | |
| | ***Total NET Core Instruction*** | | | ***17,250*** | ***13*** | ***260*** | | | ***16,950*** | ***16*** | ***320*** | |

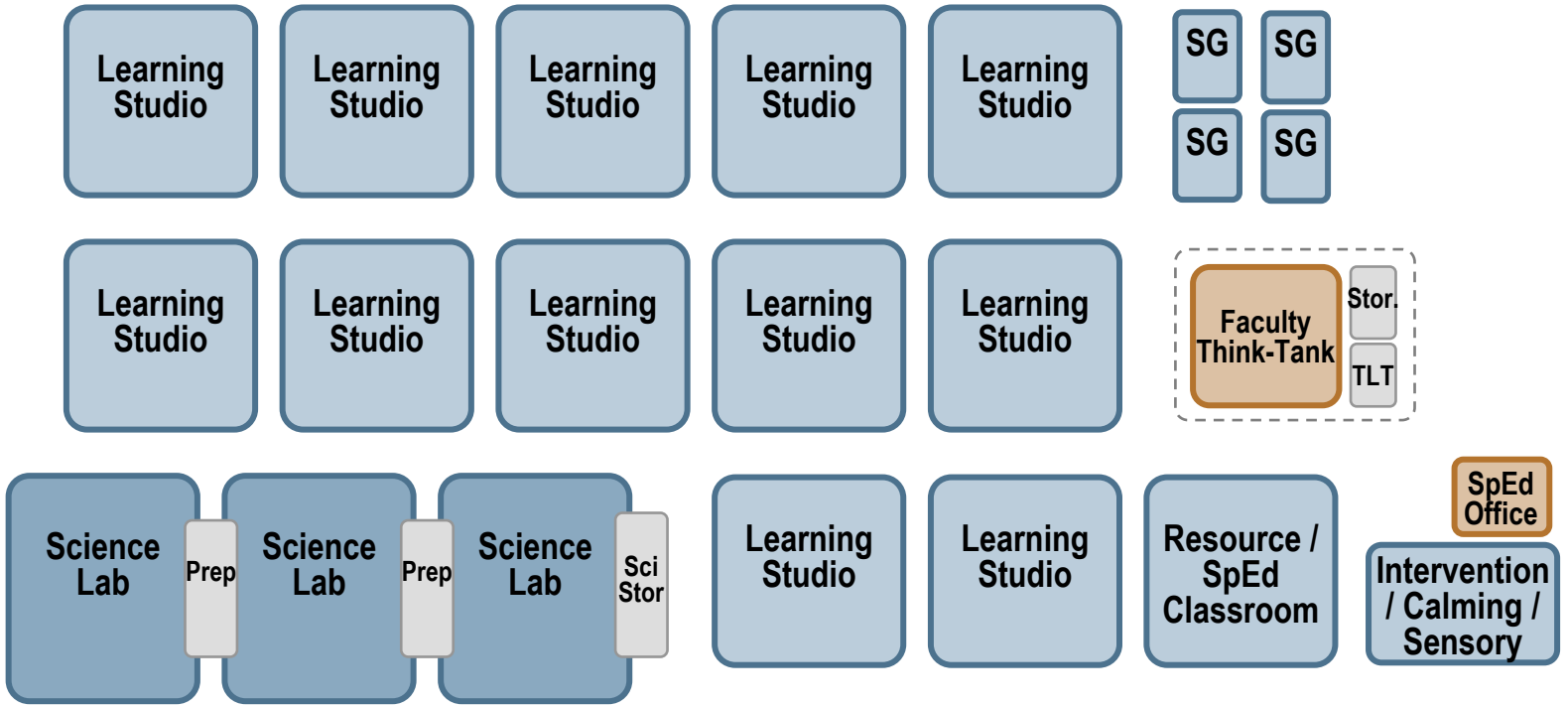
MOA ARCHITECTURE

brain SPACES UNITING EDUCATION & ARCHITECTURE

Space Program Ideas

REPLACE

ADD




Seminar

Seminar

Seminar

Seminar

Seminar

Seminar

# Space Program Ideas: Core learning

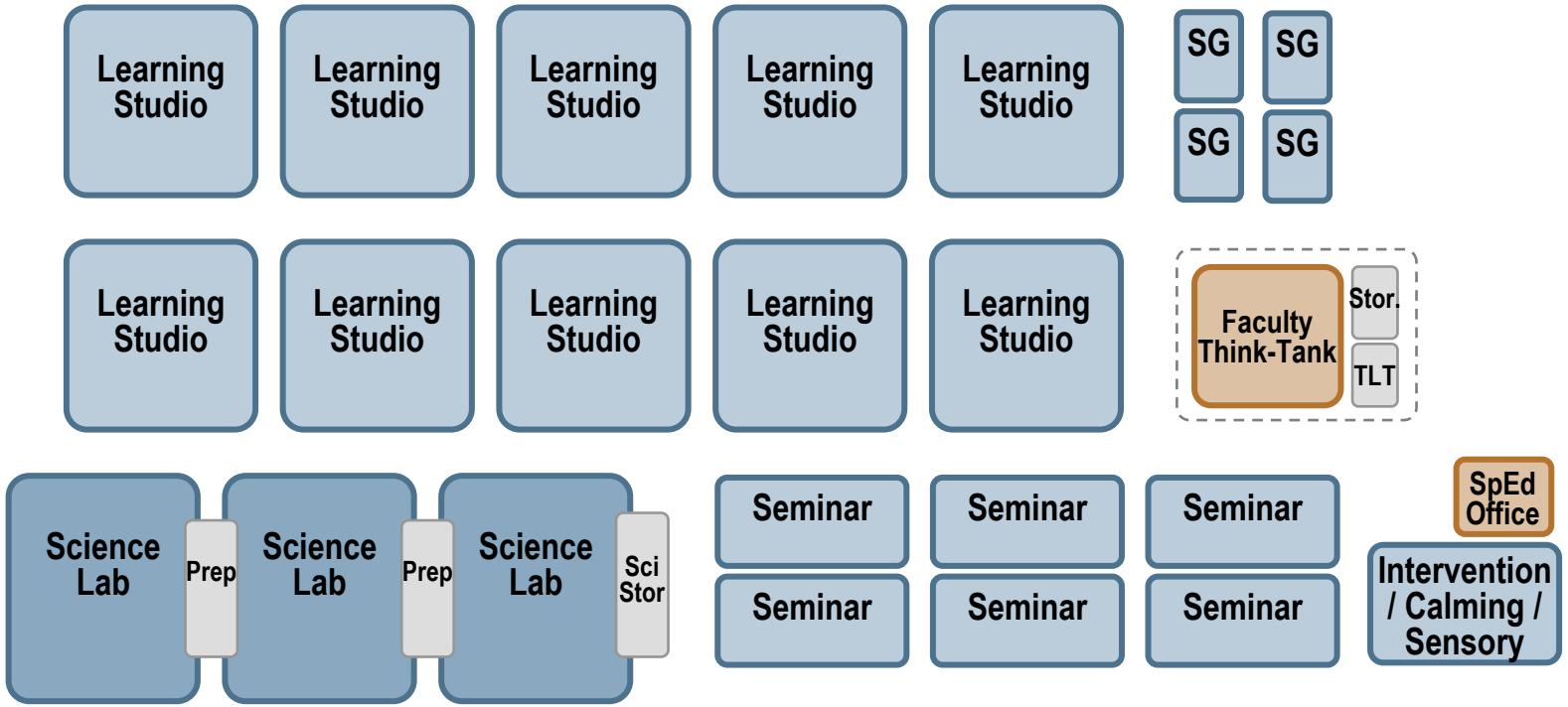
**REPLACE**

Learning Studio

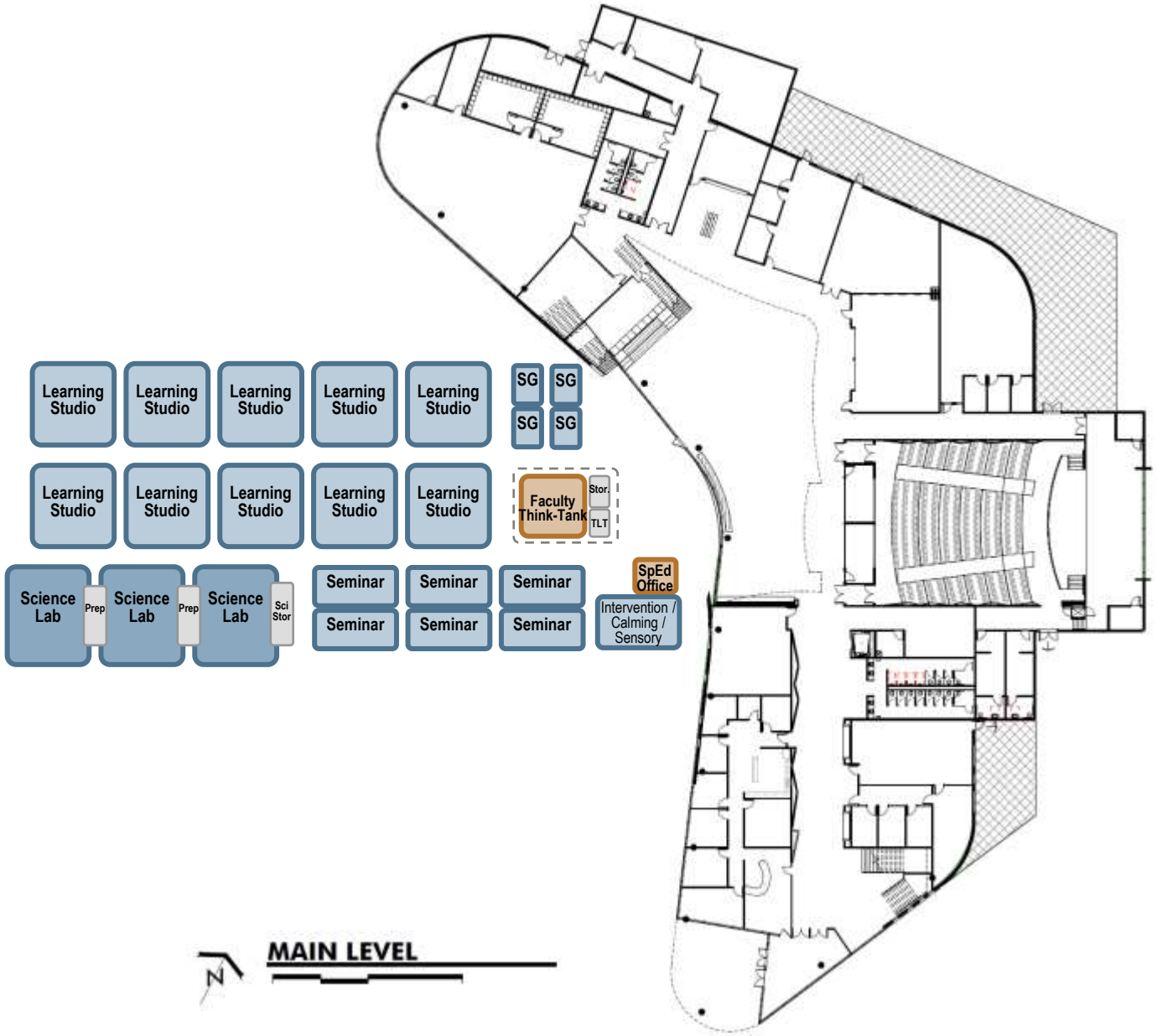
Learning Studio

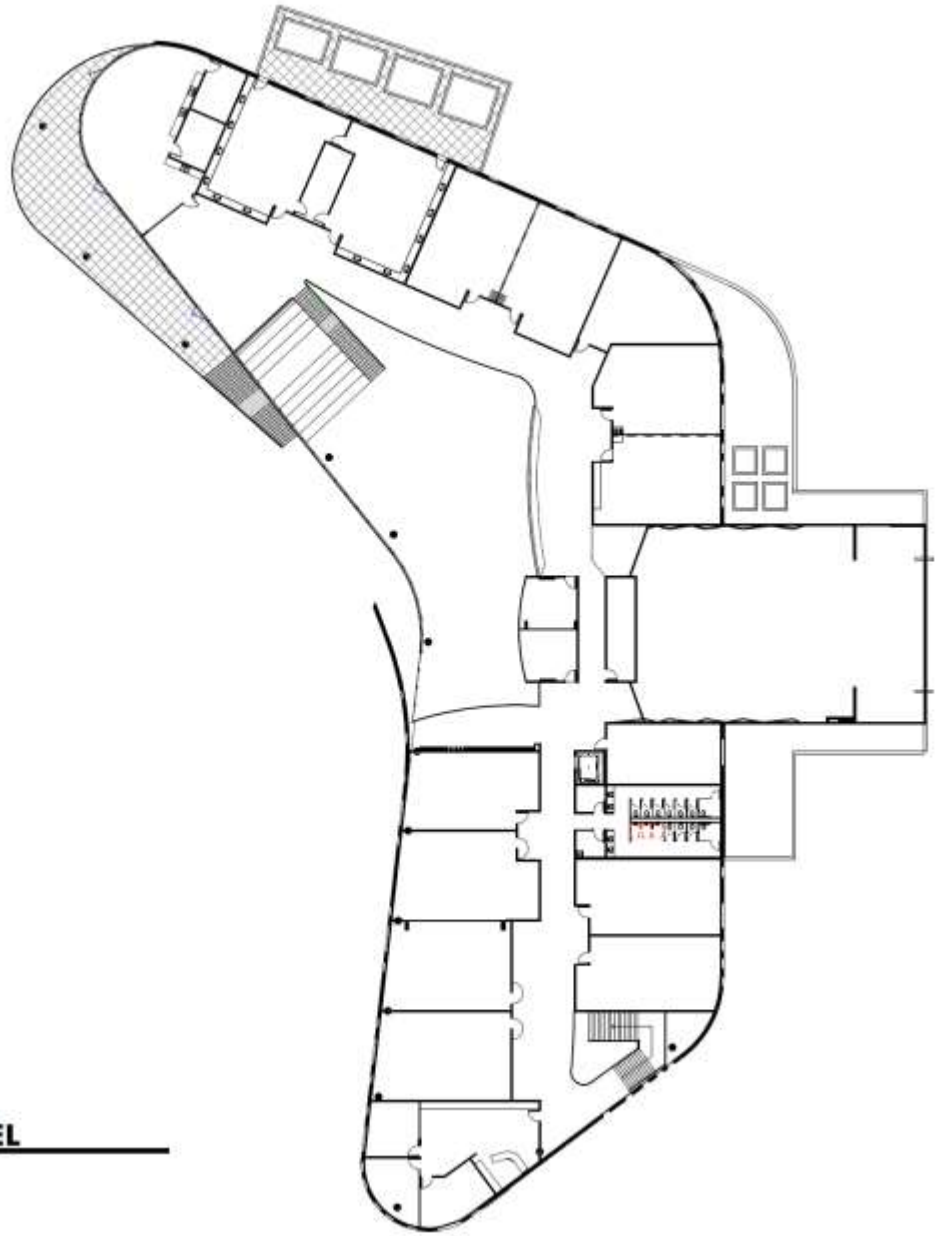
Resource / SpEd Classroom

**ADD**



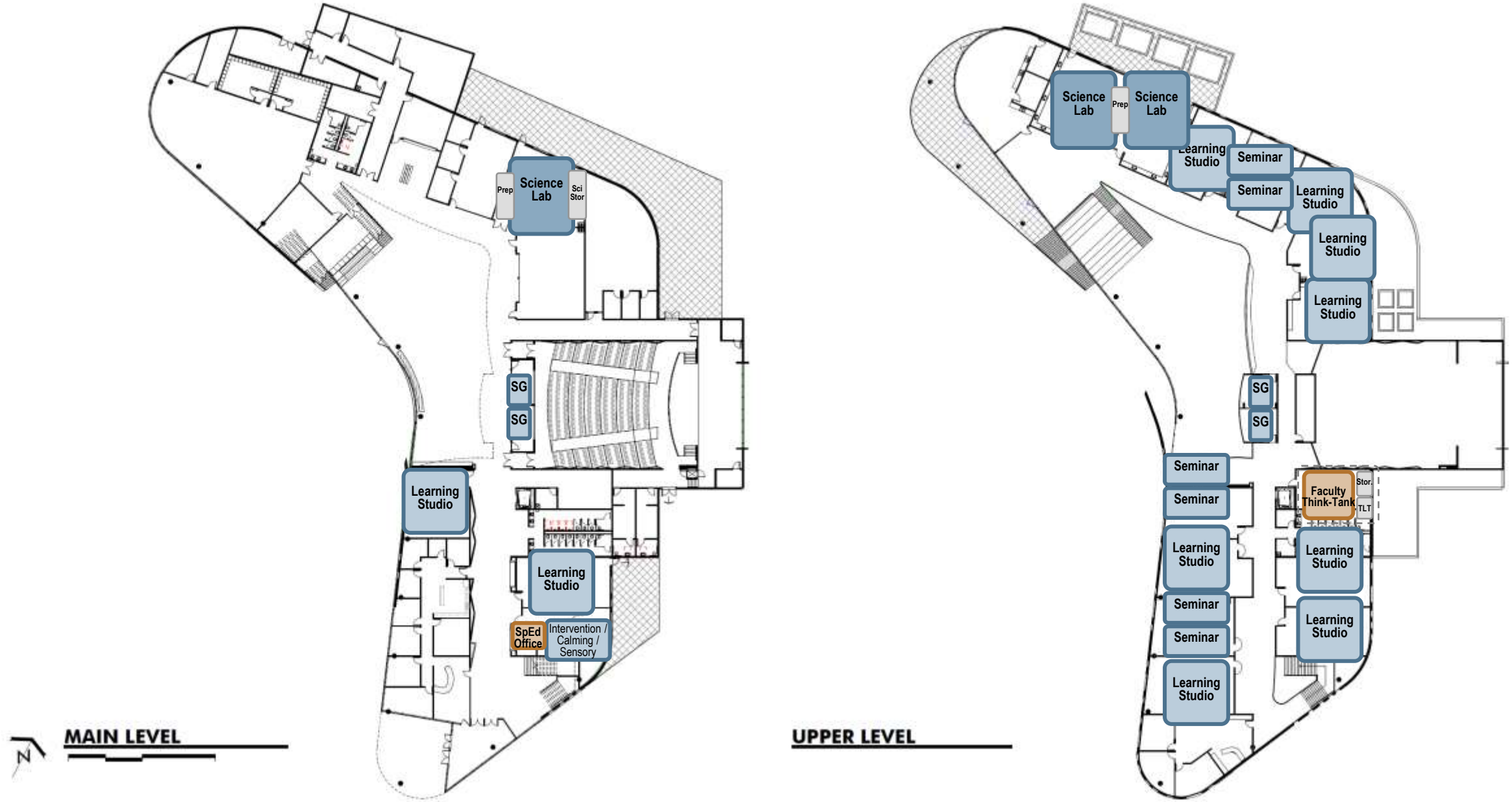

# Space Program Ideas: Core Learning




MOA ARCHITECTURE

# Space Program Ideas: Core Learning

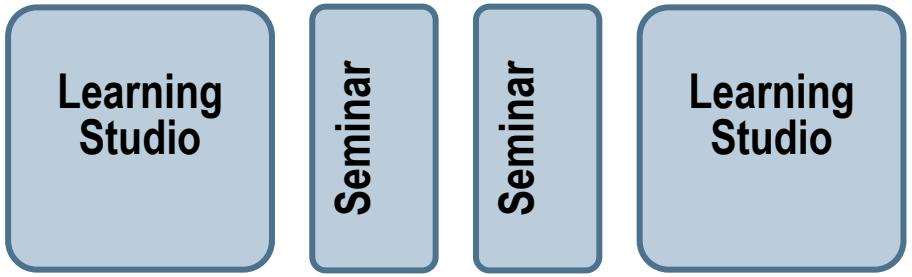



MOA ARCHITECTURE

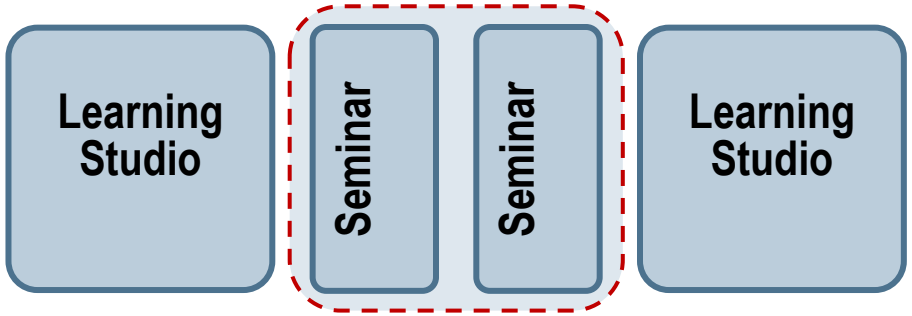
brainSPACES
UNITING EDUCATION & ARCHITECTURE

# Space Program Ideas: Core Learning

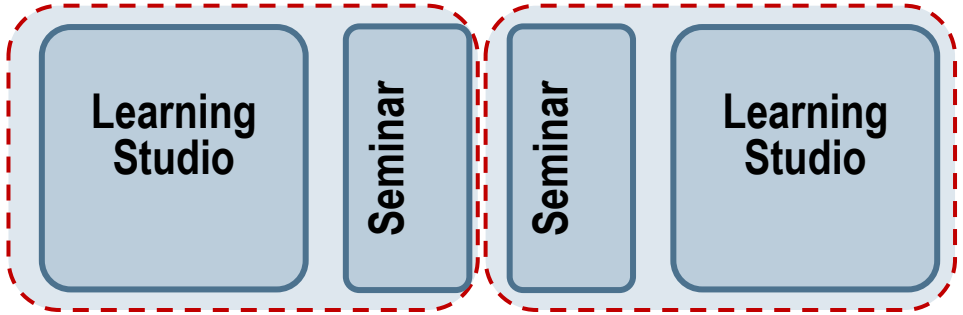
## FLEXIBILITY




**A: 2 regular + 2 smaller classrooms**

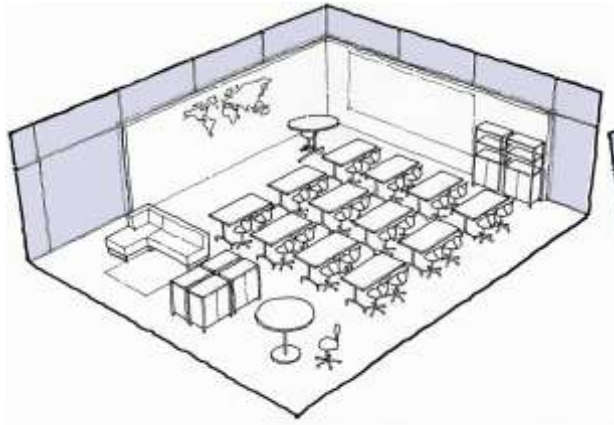
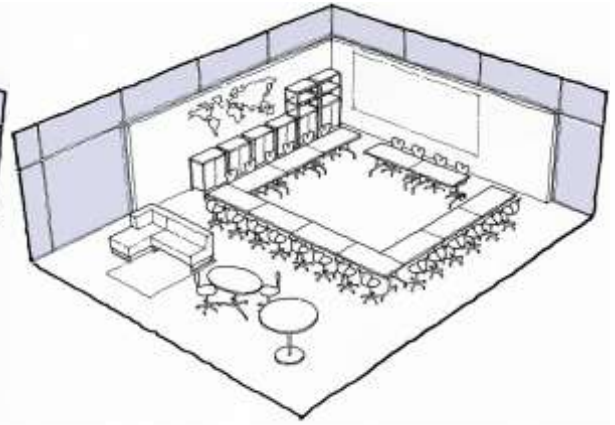
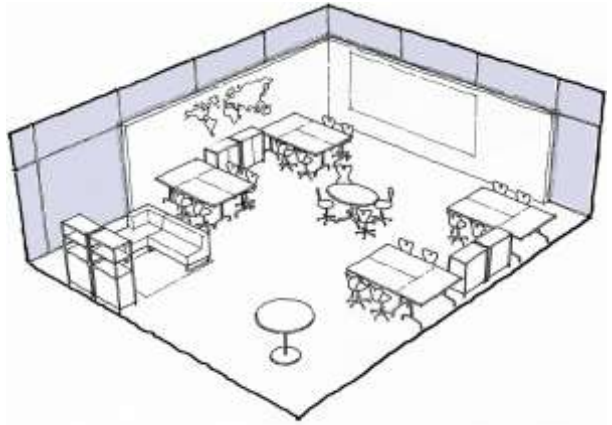
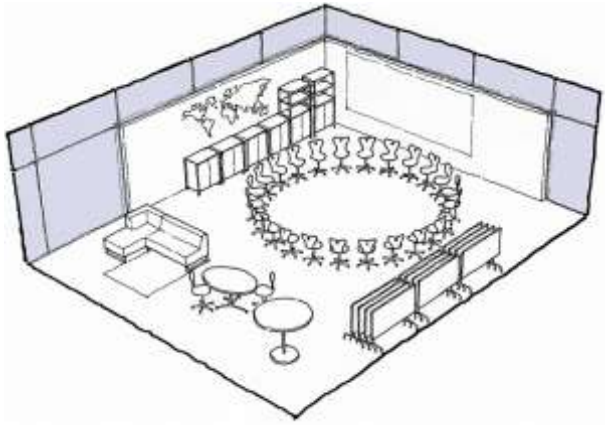



**B: 3 regular classrooms**




**C: 2 larger classrooms**

# Space Program Ideas: FLEXIBILITY

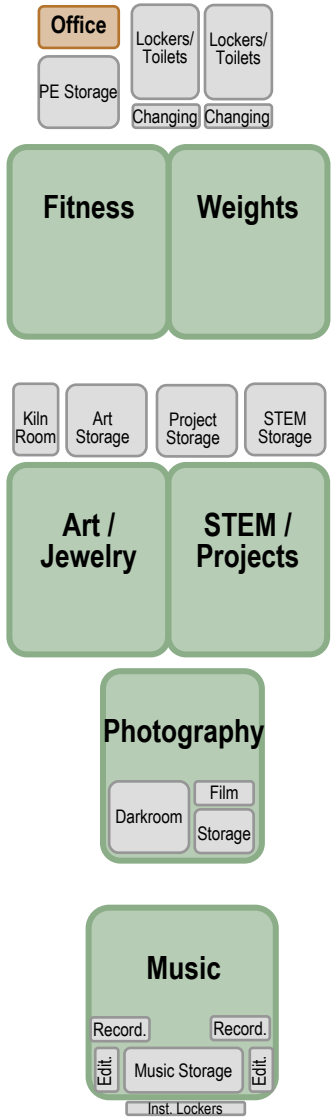
MOA ARCHITECTURE

# Examples

MOA ARCHITECTURE

# brain SPACES Examples

UNITING EDUCATION & ARCHITECTURE



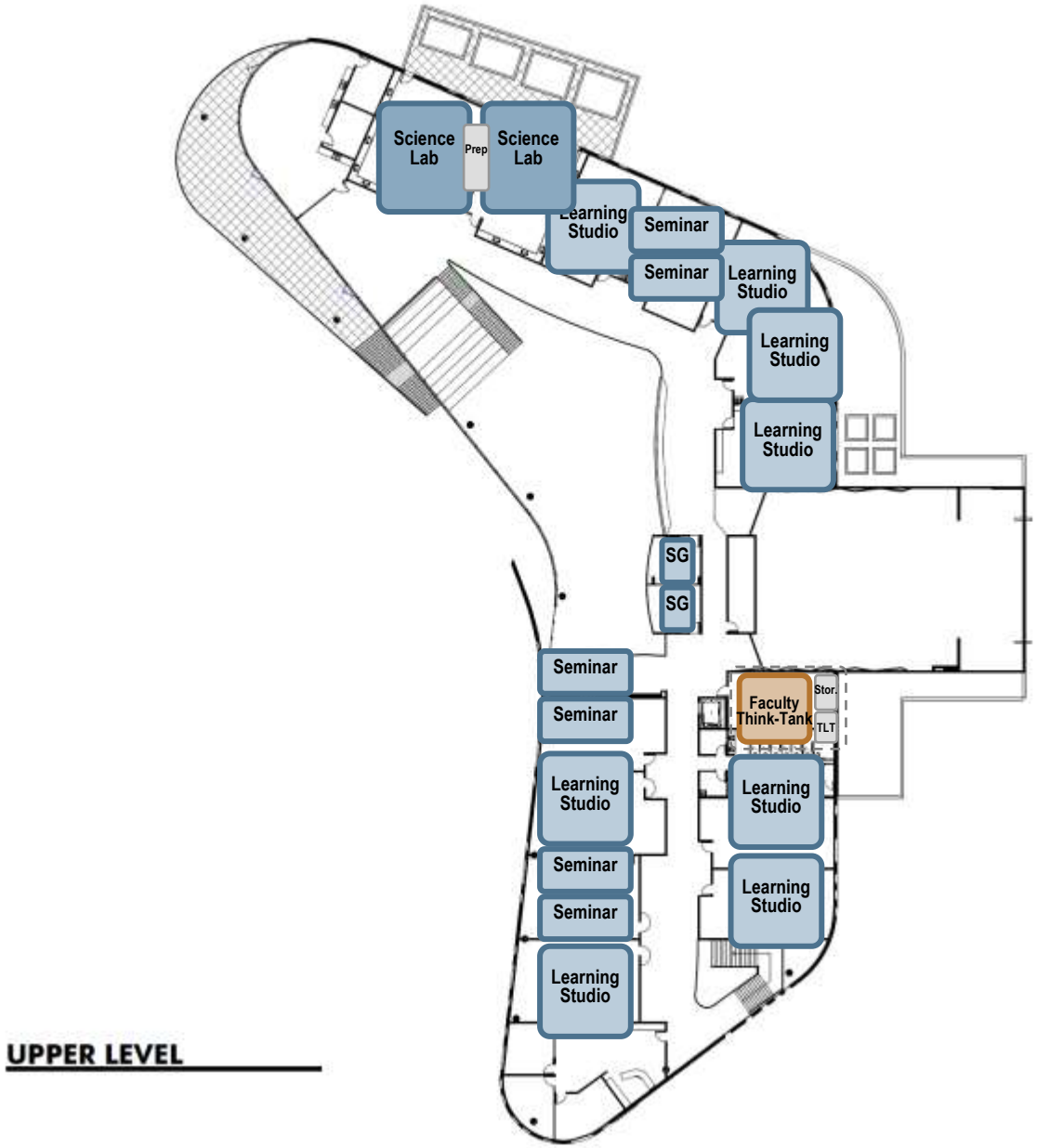

# 2.0 Activity Programs

| | | COMPETITION PROGRAM | | | | | ADJUSTED PROGRAM: DRAFT | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **2.01** | **Physical Education** | Qty. | Net S.F. | Total Net S.F. | # T.S. | Capacity | Qty. | Net S.F. | Total Net S.F. | # T.S. | Capacity | NOTES |
| | .01 **Fitness Room** | 1 | 1,500 | 1,500 | 1 | 20 | 1 | 1,500 | 1,500 | 1 | 20 | |
| | .02 Weight Room | 1 | 1,500 | 1,500 | | - | 1 | 1,500 | 1,500 | | - | combine Fitness & Weight Room? |
| | .03 PE Office | 1 | 120 | 120 | | - | 1 | 120 | 120 | | - | |
| | .04 Equipment Storage | 1 | 300 | 300 | | - | 1 | 300 | 300 | | - | |
| | .05 Changing/Toilet Rooms | 2 | 500 | 1,000 | | - | 2 | 440 | 880 | | - | |
| Add? | .06 Individual Changing Rooms | | | - | | - | 2 | 50 | 100 | | - | suggest gender-neutral options |
| | .07 | | | - | | - | | | - | | - | |
| | | | | ***4,420*** | ***1*** | ***20*** | | | ***4,400*** | ***1*** | ***20*** | |
| **2.02** | **Design/Innovation Center** | Qty. | Net S.F. | Total Net S.F. | # T.S. | Capacity | Qty. | Net S.F. | Total Net S.F. | # T.S. | Capacity | NOTES |
| | .01 **Art / Jewelry Classroom** | 1 | 1,500 | 1,500 | 1 | 20 | 1 | 1,500 | 1,500 | 1 | 20 | |
| | .02 Art Storage | 1 | 200 | 200 | | - | 1 | 200 | 200 | | - | |
| | .03 Kiln Room | 1 | 150 | 150 | | - | 1 | 150 | 150 | | - | |
| | .04 **Photography** | 1 | 1,000 | 1,000 | 1 | 20 | 1 | 950 | 950 | 1 | 20 | photography instruction & digital media? |
| Add? | .05 Darkroom | | | - | | - | 1 | 250 | 250 | | - | suggest 2-4 enlargers |
| Add? | .06 Film Changing Booth | | | - | | - | 1 | 50 | 50 | | - | black-out room for film reel rolling |
| | .07 **STEM Lab** | 1 | 1,500 | 1,500 | | - | 1 | 1,500 | 1,500 | 1 | 20 | Comp: STEM lab not counted as TS |
| | .08 STEM Storage | 1 | 200 | 200 | | - | 1 | 200 | 200 | | - | |
| Add? | .09 Photography Storage | | | - | | - | 1 | 100 | 100 | | - | chemicals and/or equipment |
| Add? | .10 Showcase/Gallery | | | - | | - | | | gross area | | - | gross area, part of commons |
| Add? | .11 Student Project Lockers | | | - | | - | 50 | 2 | 100 | | - | in-progress projects, materials, etc. |
| Add? | .12 Display Cases | | | - | | - | 5 | 10 | 50 | | - | near project rooms, may count as GSF |
| | .13 | | | - | | - | | | - | | - | |
| | | | | ***4,550*** | ***2*** | ***40*** | | | ***5,050*** | ***3*** | ***60*** | |
| **2.03** | **Music** | Qty. | Net S.F. | Total Net S.F. | # T.S. | Capacity | Qty. | Net S.F. | Total Net S.F. | # T.S. | Capacity | NOTES |
| | .01 **Music Room** | 1 | 1,000 | 1,000 | 1 | 20 | 1 | 1,000 | 1,000 | 1 | 20 | |
| | .02 Music Storage | 1 | 200 | 200 | | - | 1 | 200 | 200 | | - | include music library (lockable high density storage?) |
| | .03 Recording Rooms | 2 | 200 | 400 | | - | 2 | 150 | 300 | | - | may be a bit large, suggest slight reduction |
| | .04 Editing / Sound / Mixing | 2 | 120 | 240 | | - | 2 | 120 | 240 | | - | |
| Add? | .05 Student Instrument Lockers | | | - | | - | 20 | 2 | 40 | | - | in hallway to music room, may count as GSF |
| Add? | .06 Display Cases | | | - | | - | 2 | 10 | 20 | | - | in hallway to music room, may count as GSF |
| | .07 | | | - | | - | | | - | | - | |
| | | | | ***1,840*** | ***1*** | ***20*** | | | ***1,800*** | ***1*** | ***20*** | |
| | | | | (square feet) | # T.S. | Capacity | | | (square feet) | # T.S. | Capacity | NOTES |
| | ***Total NET Activity Programs*** | | | ***10,810*** | ***4*** | ***80*** | | | ***11,250*** | ***5*** | ***100*** | |

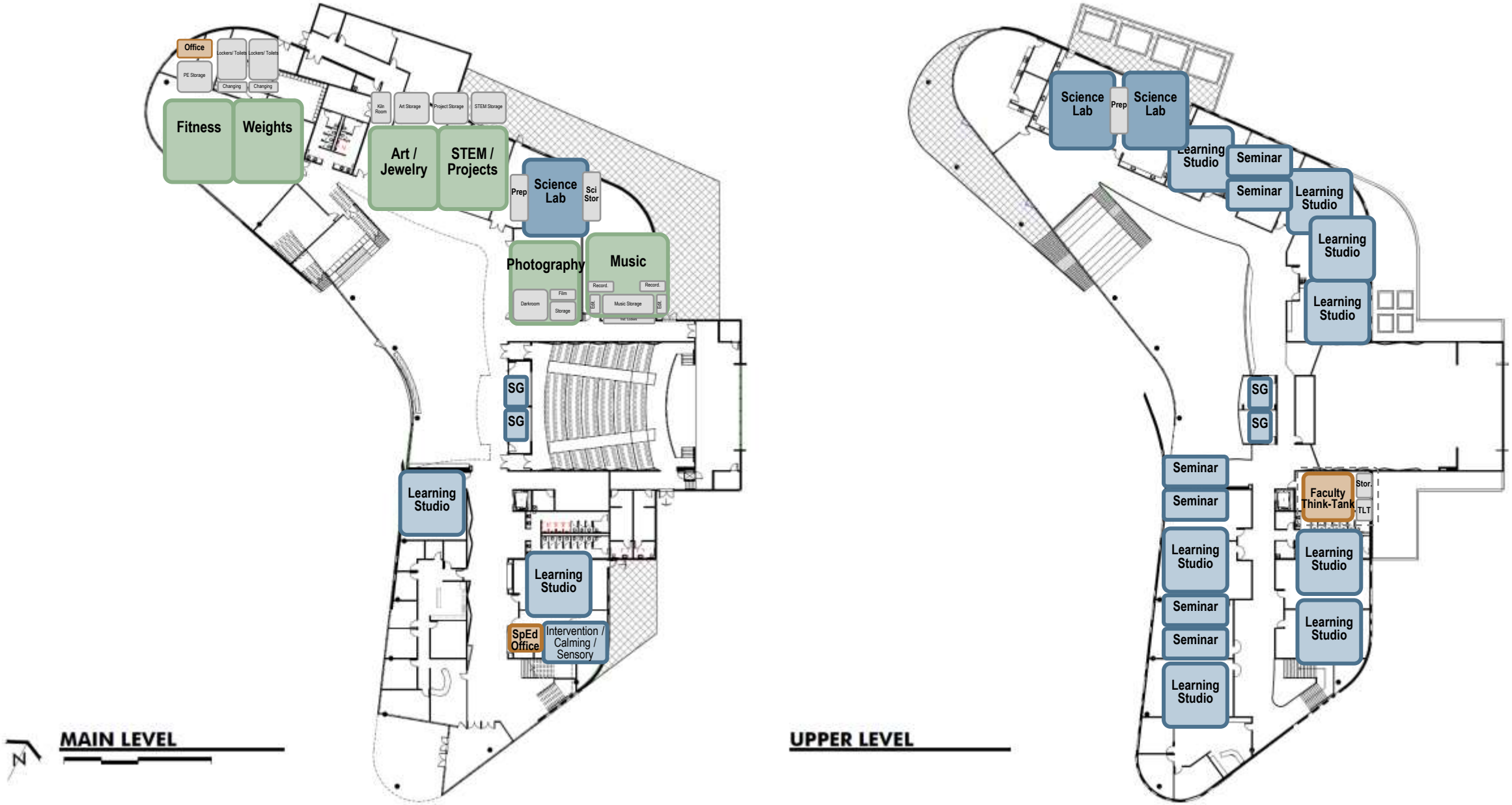
MOA ARCHITECTURE

brainspaces
UNITING EDUCATION & ARCHITECTURE

# Space Program Ideas




# Space Program Ideas: Core Learning




MOA ARCHITECTURE

# Space Program Ideas: Core Learning

MOA ARCHITECTURE

brain SPACES UNITING EDUCATION & ARCHITECTURE

# Examples

MOA ARCHITECTURE

# Examples

Geffen Academy at UCLA
KonigEizenberg Architecture

MOA ARCHITECTURE

brain SPACES
UNITING EDUCATION & ARCHITECTURE

# Examples

MOA ARCHITECTURE

brain SPACES
UNITING EDUCATION & ARCHITECTURE

# Examples

MOA ARCHITECTURE

brain SPACES UNITING EDUCATION & ARCHITECTURE

# Examples

MOA ARCHITECTURE

brain SPACES UNITING EDUCATION & ARCHITECTURE

# Examples

MOA ARCHITECTURE

brain SPACES
UNITING EDUCATION & ARCHITECTURE

# Examples

MOA ARCHITECTURE

brain SPACES UNITING EDUCATION & ARCHITECTURE

# Examples

MOA ARCHITECTURE

brain SPACES UNITING EDUCATION & ARCHITECTURE

# Examples

MOA ARCHITECTURE

brain SPACES
UNITING EDUCATION & ARCHITECTURE

# Examples

MOA ARCHITECTURE

# Examples

MOA ARCHITECTURE

brain SPACES UNITING EDUCATION & ARCHITECTURE

# Examples

MOA ARCHITECTURE

brain SPACES UNITING EDUCATION & ARCHITECTURE

# Examples

MOA ARCHITECTURE

brain SPACES
UNITING EDUCATION & ARCHITECTURE

# Examples

MOA ARCHITECTURE

brain SPACES UNITING EDUCATION & ARCHITECTURE

# Examples

MOA ARCHITECTURE

brain SPACES UNITING EDUCATION & ARCHITECTURE

# Examples

MOA ARCHITECTURE

brain SPACES
UNITING EDUCATION & ARCHITECTURE

# Examples

MOA ARCHITECTURE

brainSPACES
UNITING EDUCATION & ARCHITECTURE

# Examples

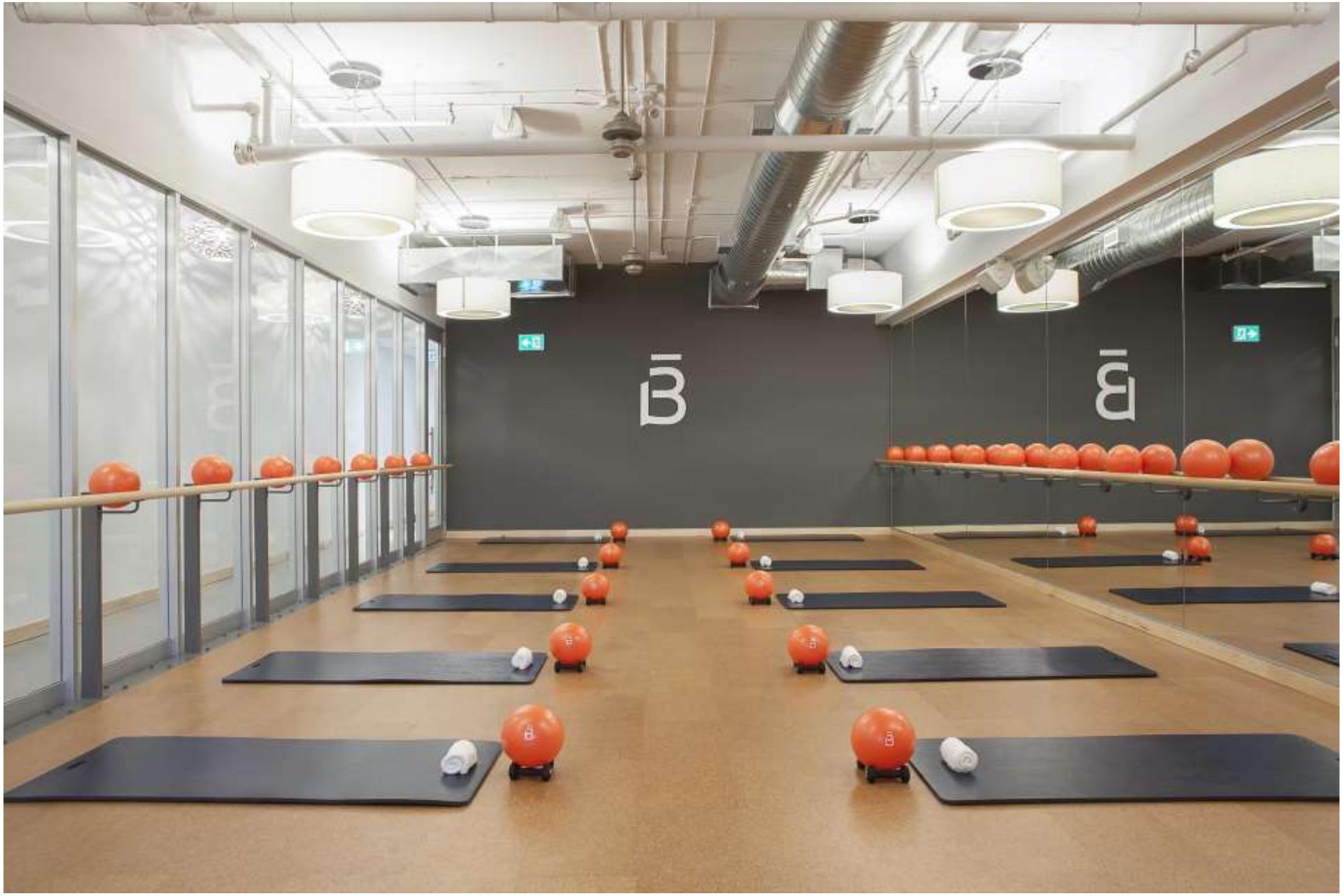
The Cheryl and Philip Milstein Center for Teaching and Learning
Barnard College, NY

MOA ARCHITECTURE

# Examples

MOA ARCHITECTURE

# Examples



MOA ARCHITECTURE

# Examples

# 3.0 Community Commons

| | | COMPETITION PROGRAM | | | ADJUSTED PROGRAM: DRAFT | | | |
|---|---|---|---|---|---|---|---|---|
| **3.01** | **Performance Commons** | Qty. | Net S.F. | Total Net S.F. | Qty. | Net S.F. | Total Net S.F. | NOTES |
| | .01 Fixed Seating for 350 | 1 | 4,000 | 4,000 | 1 | 4,000 | 4,000 | |
| | .02 Stage | 1 | 1,200 | 1,200 | 1 | 1,200 | 1,200 | |
| | .03 Changing Rooms | 2 | 400 | 800 | 2 | 400 | 800 | |
| | .04 Storage | 1 | 300 | 300 | 1 | 300 | 300 | able to be split into 2 rooms? |
| | .05 Control Booth | 1 | 150 | 150 | 1 | 150 | 150 | |
| | .06 "Public" Restrooms | TBD | | gross area | TBD | | gross area | |
| Add? | .07 Family / Gender Neutral Restroom | | | | 1 | 75 | 75 | |
| | | | | ***6,450*** | | | ***6,525*** | |
| **3.02** | **Learning Commons** | Qty. | Net S.F. | Total Net S.F. | Qty. | Net S.F. | Total Net S.F. | NOTES |
| | .01 Learning Commons Open Area | 1 | 2,500 | 2,500 | 1 | 2,000 | 2,000 | |
| Add | .02 Learning Stair / Pitch Pit | | | - | 1 | 500 | 500 | part of Learning Commons |
| | .03 Small Group / Meeting Rooms | 2 | 500 | 1,000 | 2 | 400 | 800 | |
| Add? | .04 School Store / Café / Bistro | | | - | 1 | 200 | 200 | part of / open to Commons |
| Add? | .05 Student Day-Lockers | | | - | 50 | 2 | 100 | |
| Add? | .06 Club Hub / Storage | | | - | 1 | 100 | 100 | |
| Add? | .07 Technology Help Desk / IT Workroom | | | - | 1 | 100 | 100 | |
| | | | | ***3,500*** | | | ***3,800*** | |
| **3.03** | **Dining Commons** | Qty. | Net S.F. | Total Net S.F. | Qty. | Net S.F. | Total Net S.F. | NOTES |
| | .01 Dining Commons | 1 | 2,800 | 2,800 | 1 | 2,800 | 2,800 | |
| | .02 Kitchen / Food Services | 1 | 900 | 900 | 1 | 900 | 900 | |
| | .03 Commons Storage | 1 | 200 | 200 | 1 | 200 | 200 | table/chair storage |
| | .04 Student Restrooms | | | gross area | | | gross area | |
| | .05 Gender Neutral Restroom | | | gross area | 1 | 75 | 75 | Add single-stall, gender neutral |
| | | | | ***3,900*** | | | ***3,975*** | |
| **3.04** | **Faculty Commons** | Qty. | Net S.F. | Total Net S.F. | Qty. | Net S.F. | Total Net S.F. | NOTES |
| | .01 Faculty/Staff Break Room | 1 | 400 | 400 | 1 | 300 | 300 | reduce size to make room for amenities? |
| Add? | .02 Storage Room | | | - | 1 | 100 | 100 | |
| Add? | .03 Mother's Room | | | - | 1 | 50 | 50 | |
| | .04 Staff Restrooms | | | gross area | 2 | 75 | 150 | |
| | | | | ***400*** | | | ***600*** | |
| | | | | (square feet) | | | (square feet) | NOTES |
| | ***Total NET Community Commons*** | | | ***14,250*** | | | ***14,900*** | |

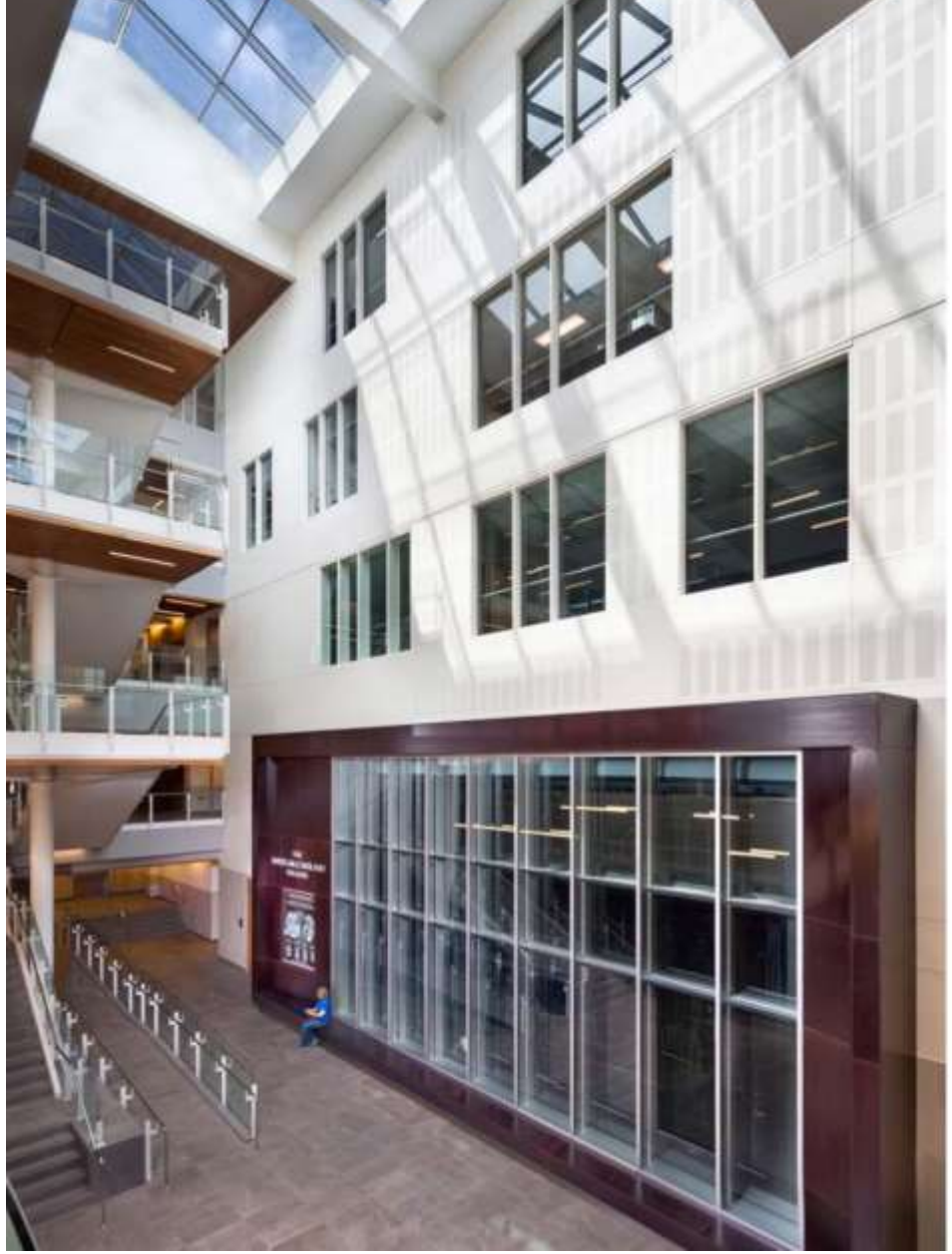
MOA ARCHITECTURE

brainSPACES UNITING EDUCATION & ARCHITECTURE

# Space Program Ideas

MOA ARCHITECTURE

# Examples



MOA ARCHITECTURE

# Examples

# 4.0 Admin. & Student Services

| | | | COMPETITION PROGRAM | | | ADJUSTED PROGRAM: DRAFT | | | |
|---|---|---|---|---|---|---|---|---|---|
| **4.01** | **School Administration** | | Qty. | Net S.F. | Total Net S.F. | Qty. | Net S.F. | Total Net S.F. | NOTES |
| | .01 | Security Vestibule | 1 | | 0 | 1 | | 0 | air-lock & security functions |
| | .02 | Welcome Center/Waiting Area | 1 | | 0 | 1 | | 0 | |
| | .03 | Student Waiting Area | 2 | | 0 | 2 | | 0 | separate from "public" waiting area |
| | .04 | Receptionst / "Front Desk" | 1 | 400 | 400 | 1 | 400 | 400 | sized for 3 workstations |
| | .05 | Principal's Office | 1 | 180 | 180 | 1 | 180 | 180 | |
| | .06 | Asst Princ Office | 1 | 160 | 160 | 1 | 160 | 160 | |
| | .07 | Dean of Students | 1 | 140 | 140 | 1 | 140 | 140 | |
| | .08 | Conference Room (8-10 people) | 1 | 240 | 240 | 1 | 240 | 240 | |
| | .09 | Workroom / Copy / Mailroom / Storage | 1 | 200 | 200 | 1 | 200 | 200 | |
| | .10 | Records Room | 1 | 100 | 100 | 1 | 100 | 100 | |
| | .11 | Registrar Office | 1 | 130 | 130 | 1 | 130 | 130 | |
| | .12 | Intervention Office | 2 | 130 | 260 | 2 | 130 | 260 | |
| Add? | .13 | Kitchenette / Coffee Alcove | | | - | 1 | 20 | 20 | alcove with +/- 7-10' counter with fridge, microwave, sink |
| | .14 | Admin Restrooms | 2 | 75 | 150 | 2 | 75 | 150 | |
| | | | | | ***1,960*** | | | ***1,980*** | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **4.02** | **Student Services** | | Qty. | Net S.F. | Total Net S.F. | Qty. | Net S.F. | Total Net S.F. | NOTES |
| | .01 | Counselor Ofices | 3 | 160 | 480 | 3 | 160 | 480 | |
| | .02 | Career Center | 1 | 300 | 300 | 1 | 300 | 300 | |
| Add? | .03 | Conference / Testing / Quiet | | | - | | | - | |
| Add? | .04 | Welcome Center / Waiting | | | - | | | - | |
| | | | | | ***780*** | | | ***780*** | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **4.03** | **Health Office** | | Qty. | Net S.F. | Total Net S.F. | Qty. | Net S.F. | Total Net S.F. | NOTES |
| this is very tight => | .01 | Health Office / Clinic | 1 | 240 | 240 | 1 | 80 | 80 | |
| | .02 | Cot Room | | | - | 1 | 80 | 80 | |
| | .03 | Restroom | | | - | 1 | 60 | 60 | |
| | .04 | Storage Closet | | | - | 1 | 20 | 20 | |
| | | | | | ***240*** | | | ***240*** | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | (square feet) | | | (square feet) | NOTES |
| | | ***Total NET Admin & Student Services*** | | | ***2,980*** | | | ***3,000*** | |

MOA ARCHITECTURE

brainSPACES

UNITING EDUCATION & ARCHITECTURE

# Space Program Ideas

# 5.0 Building Support

| | | COMPETITION PROGRAM | | | ADJUSTED PROGRAM: DRAFT | | | |
|---|---|---|---|---|---|---|---|---|
| **5.01** | **Maintenance/Custodial** | Qty. | Net S.F. | Total Net S.F. | Qty. | Net S.F. | Total Net S.F. | **NOTES** |
| .01 | Facility Manager Office / Storage | 1 | 300 | 300 | 1 | 300 | 300 | |
| .02 | Custodial Closets | 4 | 100 | 400 | 4 | 100 | 400 | located throughout building |
| .03 | Building Storage | 1 | 300 | 300 | 1 | 300 | 300 | |
| .04 | Exterior Storage | 1 | 300 | 300 | 1 | 300 | 300 | Custodual, Maint., Grounds, Bus drivers, etc. |
| .05 | | | | - | | | - | |
| | | | | ***1,300*** | | | ***1,300*** | |
| **5.02** | **Mechanical/Electrical** | Qty. | Net S.F. | Total Net S.F. | Qty. | Net S.F. | Total Net S.F. | **NOTES** |
| .01 | Main Mechanical Room | | | Gross area | | | Gross area | |
| .02 | Main Electrical/Telecom | | | Gross area | | | Gross area | |
| .03 | Data/Telecom Distribution | | | Gross area | | | Gross area | |
| .04 | Centralized Control Room | | | Gross area | | | Gross area | |
| .05 | | | | - | | | - | |
| | | | | ***0*** | | | ***0*** | |
| **5.03** | **Building Support** | Qty. | Net S.F. | Total Net S.F. | Qty. | Net S.F. | Total Net S.F. | **NOTES** |
| Add? .01 | Deliveries/Receiving | | | - | 1 | 100 | 100 | can be combined with Storage |
| Add? .02 | Building Supply Storage | | | - | 1 | 100 | 100 | can be combined with Receiving |
| Add? .03 | Dumpster Yard | | | - | | | outdoor area | Open-air with security gate and visual screen |
| .04 | | | | - | | | - | |
| .05 | | | | - | | | - | |
| | | | | ***0*** | | | ***200*** | |
| | | | | (square feet) | | | (square feet) | **NOTES** |
| | ***Sub-Total NET Building Support*** | | | ***1,300*** | | | ***1,500*** | |

MOA ARCHITECTURE

brain SPACES UNITING EDUCATION & ARCHITECTURE

# Space Program Ideas

**REPLACE**

**ADD**

# Space Program Ideas: Activity Programs

# WHAT SHOULD WE BRING?

- all the different art spaces (dark room, computer labs, metal shop, ceramics space, studio spaces),
- mural spaces, natural materials
- Staff room, outside staff eating area,
- large sized science classroom with large lab closet, lots of sinks and counter space in room
- new furniture, AC units
- opportunities for flexibly sized groups to meet that include multiple grade levels;
- a large gathering space for all that could re-think the traditional auditorium seating;
- easy egress and ingress to outdoor spaces all over the building;
- multiple rooms that are not classrooms for small and large meetings;
- spaces that promote cross-curricular teaching and learning;
- classrooms where "there's not a bad seat in the house"
- sense of community, community experience, small class size, advisor program
- The Center space, the staff (planning) room, lots of green around us
- relationships- spaces for advisory to meet, small, medium, large spaces, art, video and music production, connections to CU, Chautauqua, and Boulder.
- The overall feel that the whole school building is immersed in the program (e.g. artwork displayed, etc.)

MOA ARCHITECTURE

brain SPACES UNITING EDUCATION & ARCHITECTURE

Packing for the future…

# WHAT SHOULD WE LEAVE BEHIND?

- gendered bathrooms,
- florescent lighting,
- ugly old carpet,
- uncomfortable climate settings,
- lockers,
- narrow hallways
- All things related to the physical structure.
- AC, HEAT
- Almost everything, really, but especially that there are one-off, lonely classrooms way down halls;
- exposed pipes, poor use of negative space
- old building, bad heat, no A/C,
- Pretty much everything
- Hallways,
- one size fits all spaces,
- lack of light,
- silos - admin, counseling, teachers being separated from each other
- Inadequate ventilation and daylight

MOA ARCHITECTURE

brain SPACES UNITING EDUCATION & ARCHITECTURE

# Packing for the future…

# WHAT DO WE HOPE TO FIND WHEN WE ARRIVE?

- re imagined storage space (instead of lockers),
- natural light, big windows, flat iron views,
- a more modern design, an art gallery, more open classrooms and work spaces
- abundant natural light, maker space, cozy places to sit and talk.
- Bike parking. Beautiful outdoor spaces
- vending machines, soda machines,
- a way to shade windows that is effective at keeping out the sun and heat/cold as needed,
- a balcony area for students to work/study outside of my classroom or the counselors ¨center¨
- places that are quiet,
- there are places where lots of interaction is happening;
- places to isolate are minimal yet monitor-able;
- it is easy for everyone to move through and around spaces
- hmm...good question. classroom connections to outdoors, flexible learning spaces
- More meeting/conference rooms for admin, staff, students.
- More parking, garden work area, bike racks, a beautiful auditorium, separate from a classroom for theater classes, well ventilated spaces for ALL, trees and more trees, outdoor classrooms.
- more stem opportunities, collaborative spaces with CU, state of the art video/music/digital art studios
- Highly insulated envelope, mechanical crawlspace (room on roof for PV), geo field, outdoor learning spaces, a focus on IEQ

MOA ARCHITECTURE

brain SPACES UNITING EDUCATION & ARCHITECTURE

# Packing for the future...

# EMERGING THEMES

- SPED is inclusion. what spaces are needed?
- Clarify Photography program, and connections to science/STEM.
- Health & fitness: clarify program needs.

**Safe, Healthy, and Nurturing Environments**

Allow all occupants to BE and FEEL safe, both inside and out.
Be accessible and welcoming while providing control and security.
Foster a culture of wellness including air, water, nutrition, daylighting, and environmental comfort.

**Active Connection with the Community**

Serve as a hub of activity and place of life-long learning.
Acknowledge and respect racial, social, and cultural diversity.
Include ample space for exhibition and display of student work.

**Promote Collaboration & Strong Relationships**

Provide physical connections between programs and activities.
Create multi-modal, project-based workspaces for teams and groups.
Connect to a common purpose to build strong, lasting relationships.

**Innovative Physical Characteristics**

Design to be physically and aesthetically pleasing, inspire learning.
Create spaces and features that are responsive and engaging.
Include elements that can be used as teaching tools for authentic learning.

**Outdoor Connections**

Connect learners with the environment around them.
Include a range of indoor-outdoor connections, views, and transitions.
Utilize outdoor spaces for exploring, learning, play, and environmental stewardship.

**Effective Tools and Resources**

Promote technical literacy through ubiquitous, robust, and updatable systems.
Equip all learning spaces with enhanced connectivity and devices.
Support teachers with appropriate tools, space, time and resources.

**Adaptable and Flexible Environments**

Adaptability to support future/unknown programs and activities.
Improve building performance and reduce operating costs.
Design to accommodate innovation and change over time.

**Diverse Needs & Interests of all Occupants**

Celebrate diversity and welcome differences.
Recognize and embrace unique learning styles, interests, and abilities.
Employ universal design principles for wayfinding, navigation, and flow of occupants.

- SPED is inclusion. what spaces are needed?
- Clarify Photography program, and connections to science/STEM.
- Health & fitness: clarify program needs.

- SPED had said they wanted to be inclusive with their program not a pull-out. Does this mean relocate the classroom and program, make it a regular teaching space and SPED can occur anywhere, or other?
- Does photography/digital lab want a connection with art, science, STEM or other program?
- Does the health program layout shown work for their program? Seems they said they really don't have a fitness program, maybe this helps build one?
- We need to add restrooms to the locker rooms in health.
- We show a café style food service area, is this appropriate? Would like to get away from the cafeteria style serving window please….!
- Confirm auditorium seating at 300.
- Confirm career center and counseling is okay separated on the second level from the rest of administration.
- Counseling had requested a yoga space in their suite, dig more into this.

MOA ARCHITECTURE

brain SPACES
UNITING EDUCATION & ARCHITECTURE