Inclusive Design Strategies to Enhance
Student Success:
Choice, Movement,
and Design

#### Agenda

- **❖** Meet the Team
- Student Dysregulation: What is It?
- **❖ Flexible Seating: How can it help?**
- Inclusive Design: Where can this be implemented?
- **❖** Panel Discussion



#### Objectives



UNDERSTAND THE CONCEPT OF DYSREGULATION



APPLY FLEXIBLE FURNITURE SOLUTIONS



EXPLORE DESIGN STRATEGIES



**EVALUATE THE IMPACT OF MOVEMENT ON LEARNING** 

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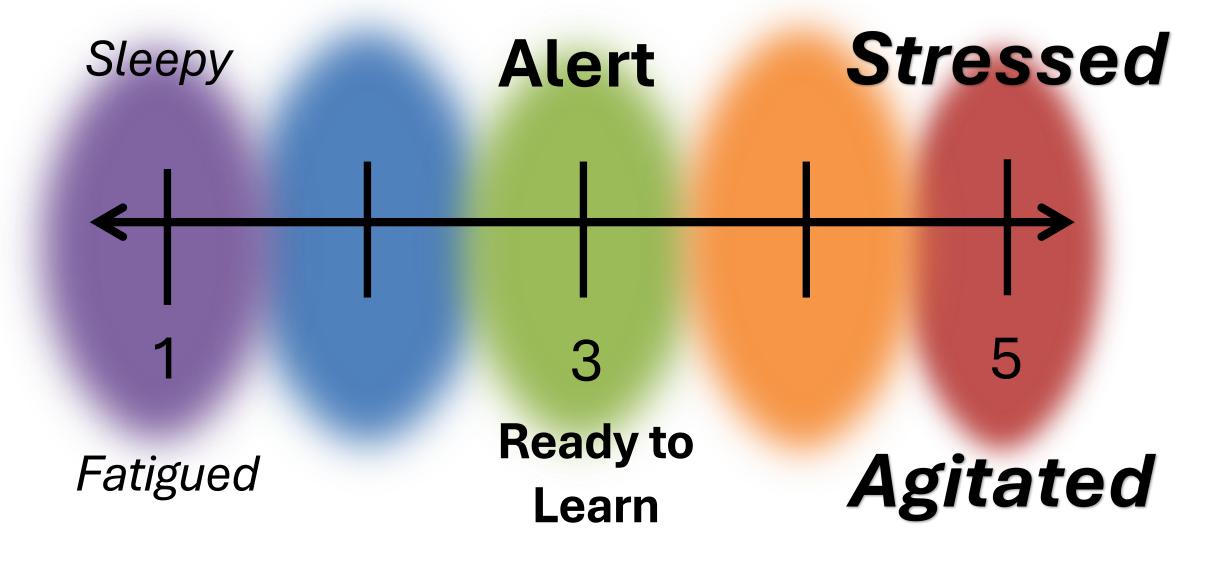
## Meet the Team



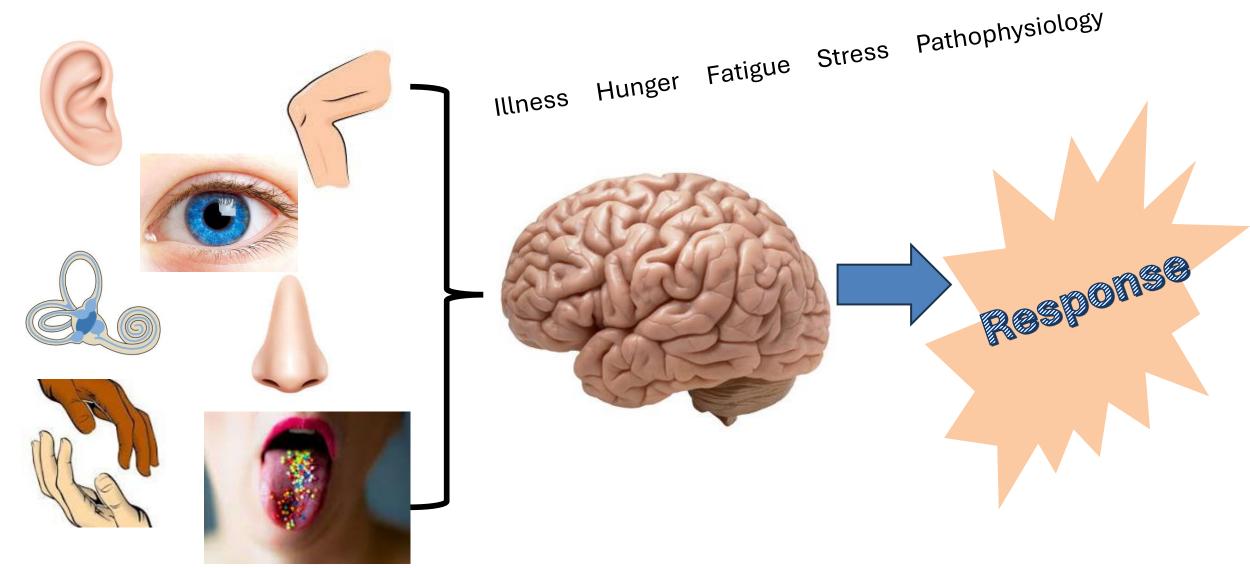
Lizzie Scott, M.Ed Artcobell

# How do you feel this morning?

Scale from 1 to 5



### Why Do You Feel This Way?



### Changing Your Sensory Experience through Movement and Seating

#### Group activity

- We encourage all to participate
- Evaluate your number
  - 4-5 look for soft seating
  - 1-2 standing or movement seating

### Sensory Seeking, Aversion, and Dysregulation

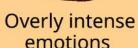
Sensory Seekers need greater sensory input

**Sensory Aversion** need to limit/reduce sensory input

**Dysregulation** occurs when a person is unable to maintain acceptable emotion, energy, behavior, or attention

#### **Signs of Emotional Dysregulation**







**Impulsive** behavior



Lack of emotional awareness



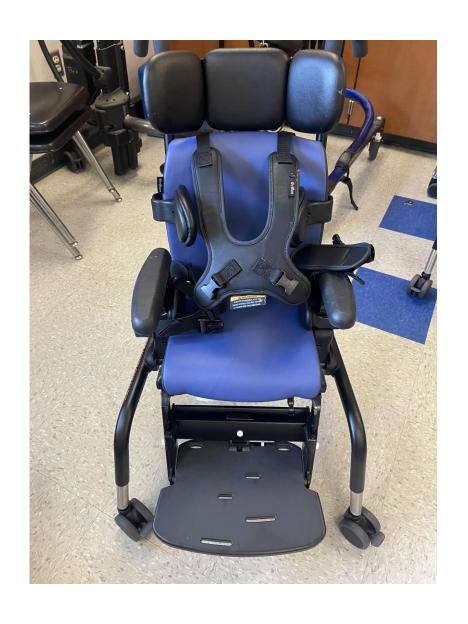
Trouble making decisions



Inability to manage behavior



Avoids difficult emotions



### School Based Physical Therapy and Seating

School based physical therapist often work with adaptive seating that allows a student to position for participation safely.

Challenge: Many students do not need this level of support, but they are not sitting in a standard

#### Laura's Case Study

 Problem: Middle School Student returning to in person learning with school based physical therapy consult for unstable gait/balance concerns.

> Concern: Student would not stay seated during 20minute academic period. Student gets up and walks between desks and knocks peers' materials from their desk disturbing entire class.



#### Solution #1

**First Considered** 



#### Solution #2

**Found Plan B** 



#### **Story of IEP Success**

Student met goal and exceeded expectations:



- Positive impact on peers, less disruption
- Other students in the class used rocking chair to calm unwanted behaviors



#### To sum it up....

Encourage students to manage their sensory input by offering various seating options that promote movement and flexibility

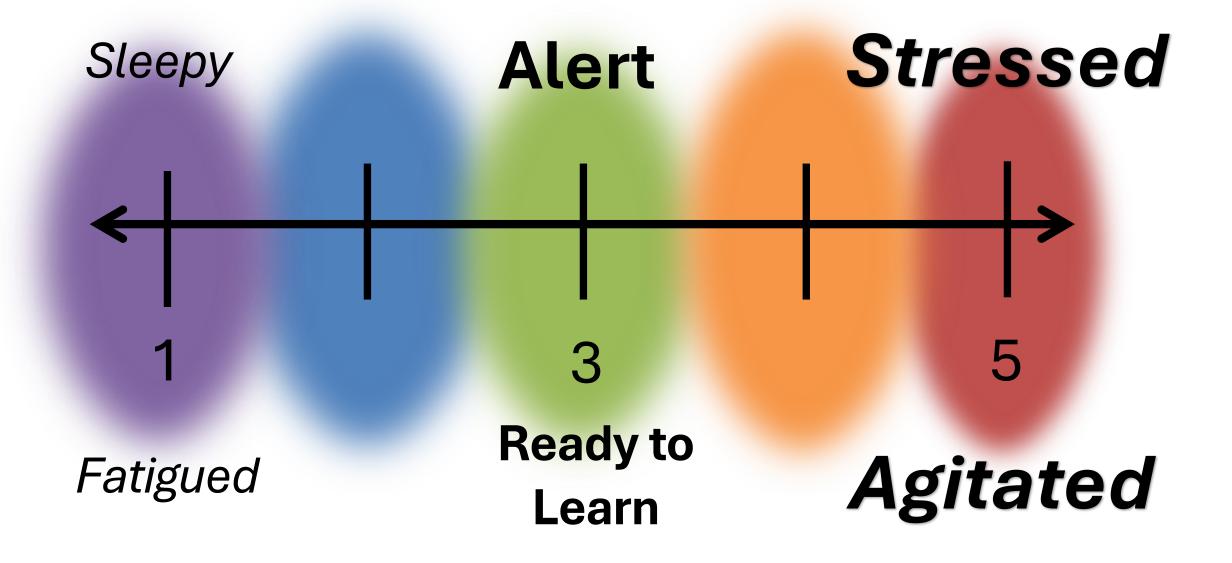
- Linear Vestibular can be calming
- Vertical Vestibular movement can be stimulating
- Rotary Vestibular movement can calming or stimulating

Supporting student sensory needs can be as EASY as: Change the Chair — Change their Sensory Experience



# How do you feel now?

Scale from 1 to 5



# Flexible Classroom Transition

Scale from 1 to 5

### Master Planning and Design

How to Plan for Choice and Movement



FGM Architects - SD157-C Chelsea Intermediate School

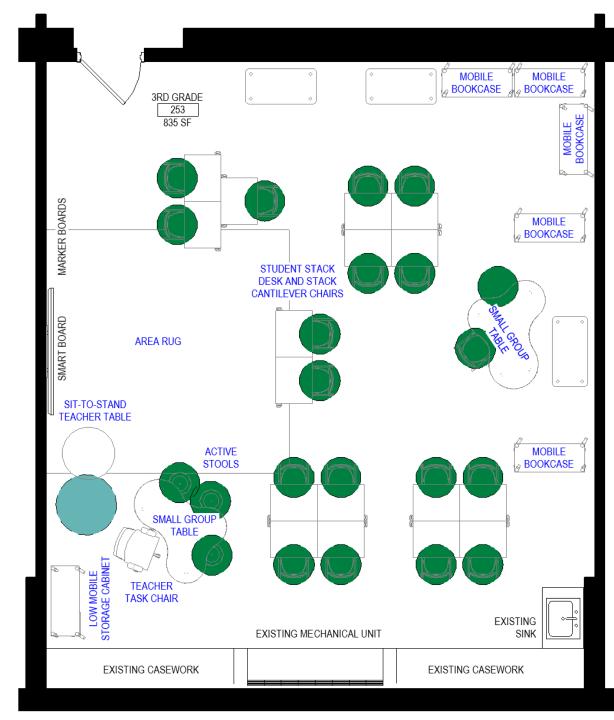
### **Space Needs - Midwest Standards**

- ➤ Gen Ed Students 35/sf per student
- > Sp Ed Students 60/sf+

SPACE PLANNING STANDA	ARD GUIDE	LINES							
Room/Space	2003 MN State BOE SF/Student Standards Range		2009 ISBE Illinois Code 151.50 SF/Student Standards SF/Student		2012 IN School Design Guideline & SF Standards Range		2023 Ohio School Facilities SF/Student Standards Range		
	Low High				Low High		Low	High	
General Glassroom - Elementary	34	57	35		45	46	36		
Elementary School Special Ed	N	NI	NI	NI	NI	N	~60, finalize per child needs per Ch 1 of OSDM		
Elementary School Special Ed Quiet Area	NI	NI	NI	NI	NI	NI	75	150	
Elementary School Restroom/Shower	N	NI	N	NI	NI	NI	Included above		
Elementary School Special Ed Resource	100	120	NI	NI	NI	N	~60, finalize per child needs per Ch 1 of OSDM		
Elementary/Middle Kinesthetic Learning Studio	N	NI	NI	NI	N	N	48	96	
Elementary/Middle Small Group Room	Z	NI	NI	NI	NI	NI	30	37.5	
Middle School General Classroom	34	43	35		45	46	36		
Middle School Special Ed Classroom	56	90	35		80	100	~60, finalize per child needs per Ch 1 of OSDM		
Middle School Special Ed Quiet Area	NI	NI	NI	NI	NI	NI	75	150	
Middle School Restroom/Shower	NI	NI	NI	NI	NI	NI			
Middle School Special Ed Resource	100	120	NI	NI	80	100	~60, finalize per child needs per Ch 1 of OSDM		

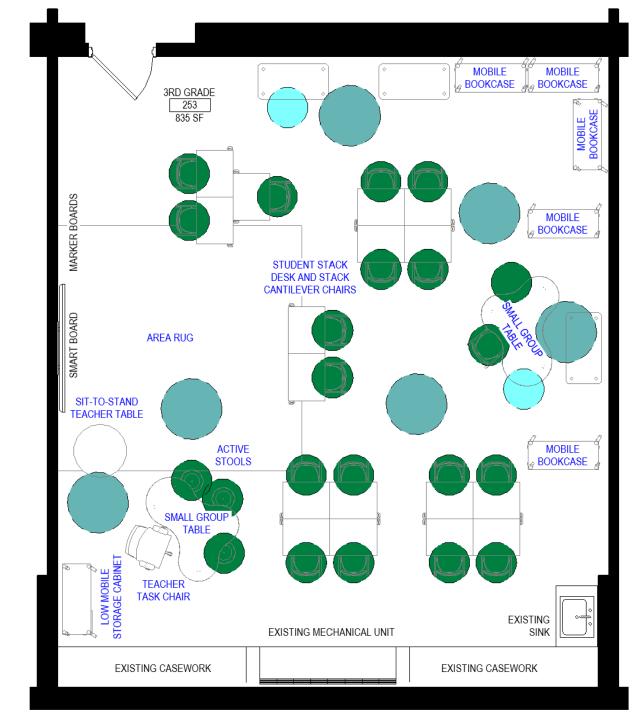
#### **Space Needs**

- Base Classroom 35/sf per GE student, 60/sf+ per SE student
- Storage currently in classrooms



### Missing Space Needs - Inclusion

- > Classroom +4-5 SF per GE student
- ➤ Storage +200 SF per grade level or subject team
- ➤ Inclusion +25 SF per SE student and +35 SF per daily additional staff
- ➤ Self-Regulation +100 SF per 2-3 classes
- Paraprofessional Space + 35 SF per floating staff











Paraprofessional Support

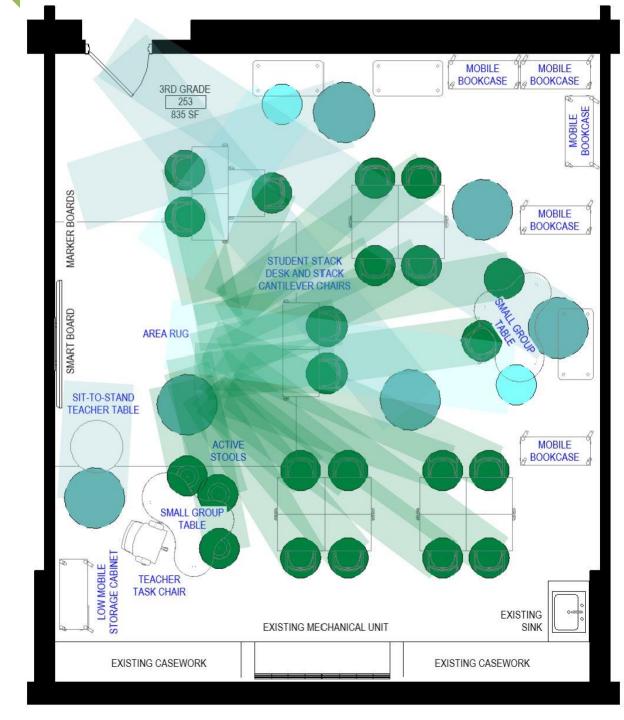
Self-Regulation

Small Group Breakout

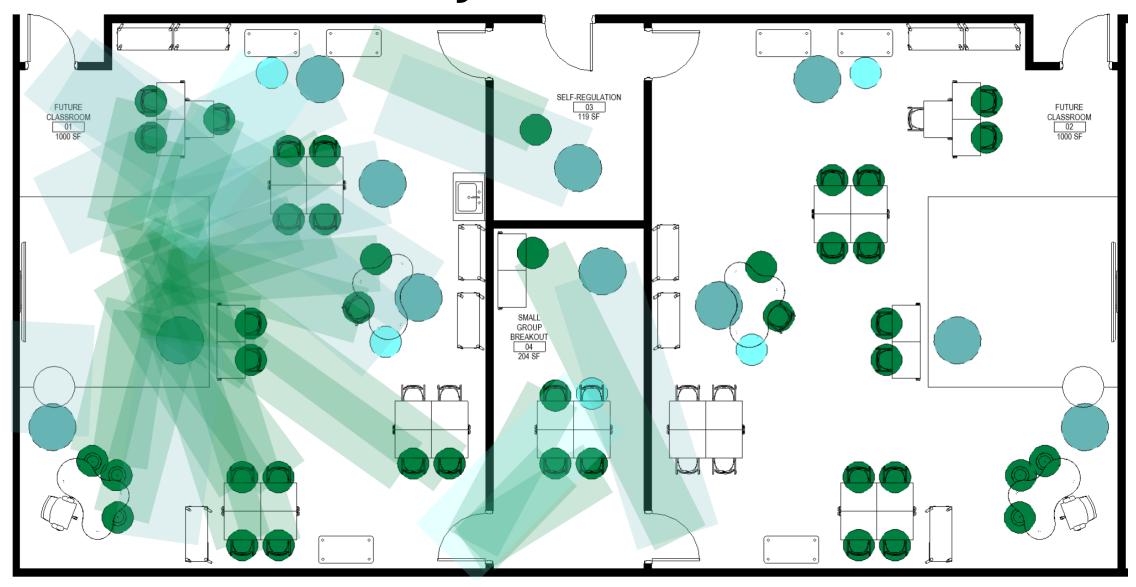
#### **Example Spaces**

### Missing Space Needs - Movement

- > Classroom +4-5 SF per GE student
- Storage +200 SF per grade level or subject team
- ➤ Inclusion +25 SF per SE student and +35 SF per daily additional staff
- ➤ Self-Regulation +100 SF per 2-3 classes
- Paraprofessional Space + 35 SF per floating staff



### **Movement and Adjacencies**



### Space Needs - Adequate

- Inclusive, flexible classrooms 45-60 SF/student
- ➤ Instructional storage 200 SF per grade level or subject team
- Paraprofessional support space
   35 sf/floating staff member

SPACE PLANNING STAND	2003 MN State BOE SF/Student Standards Range		2009 ISBE Illinois Code 151.50 SF/Student Standards SF/Student		2012 IN School Design Guideline & SF Standards Range Low High		2023 Ohio School Facilities SF/Student Standards Range Low High	
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100

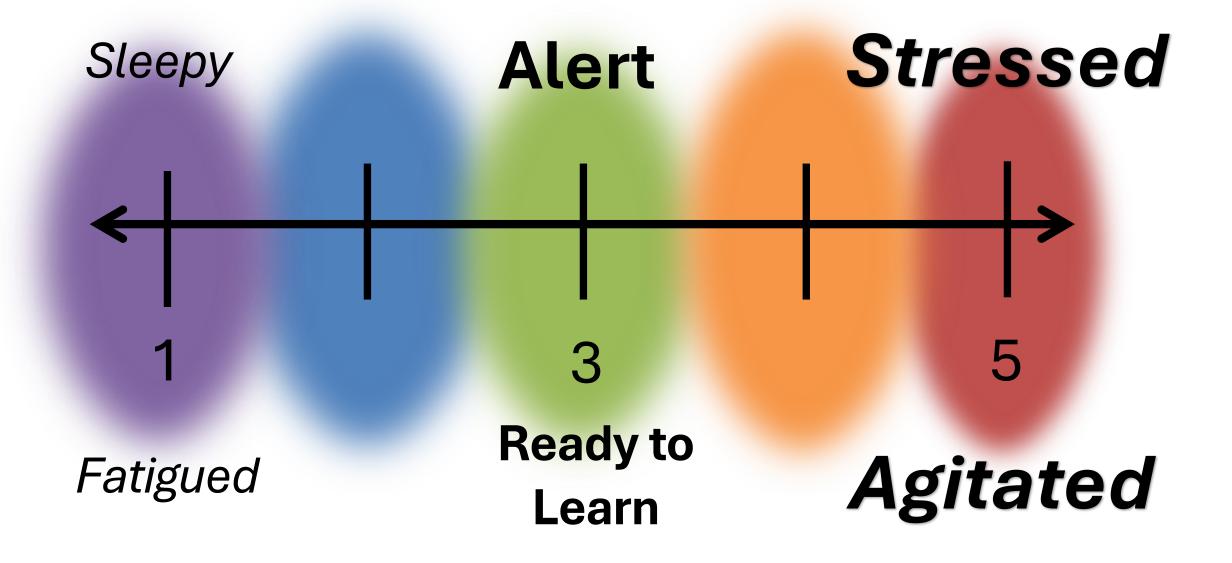
per Ch 1 of OSDM

Middle School Special Ed Resource

100

# How do you feel now?

Scale from 1 to 5



#### **Quick Dive – Inclusive Interiors**

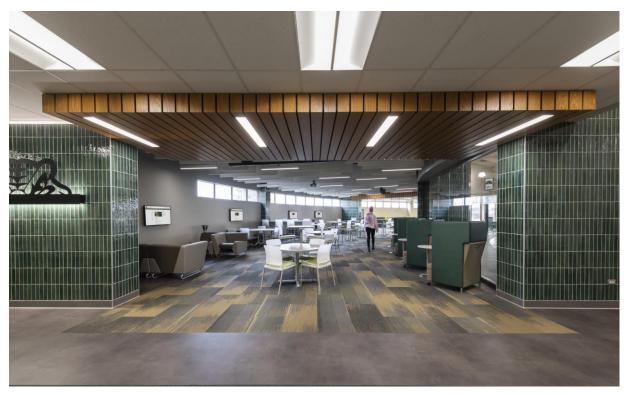


FGM Architects - SD99 Sherlock Elementary School

#### **Inclusive Design & Student Choice**



FGM Architects - SD34 Glenview Lyon Elementary School



FGM Architects - CHSD155 Crystal Lake South High School

### **Breaking Down the Space**

#### **CLASSROOM ZONES**

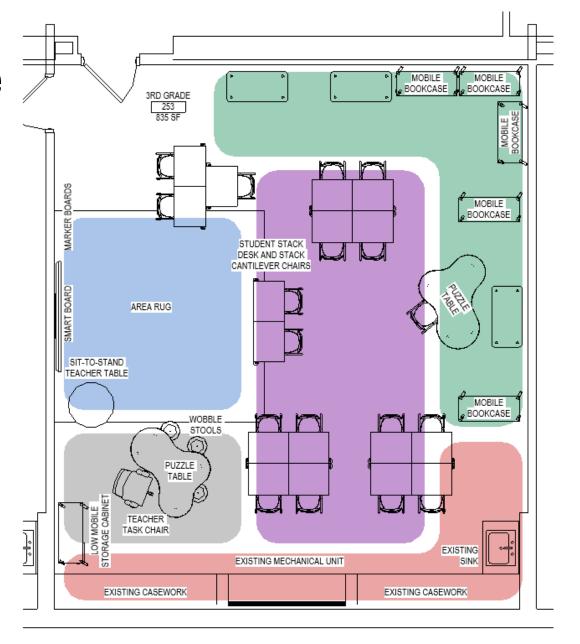




ACTIVITY / PROJECT

READING / FOCUS

TEACHER



#### **Breaking Down the Space**

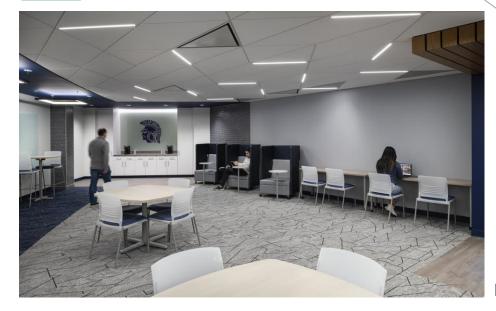
#### **CLASSROOM ZONES**

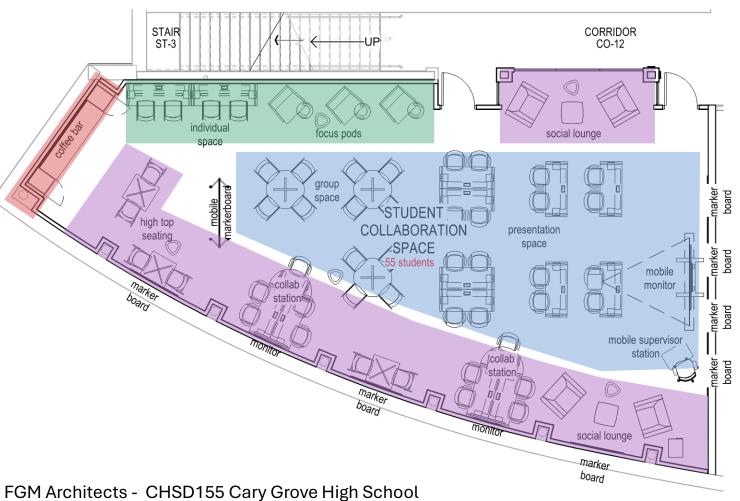
STORAGE

GATHER

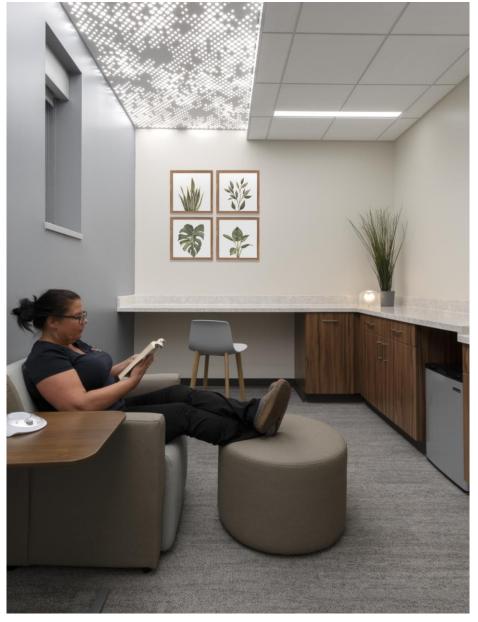
ACTIVITY / PROJECT

READING / FOCUS





#### **Inclusive Wellness**

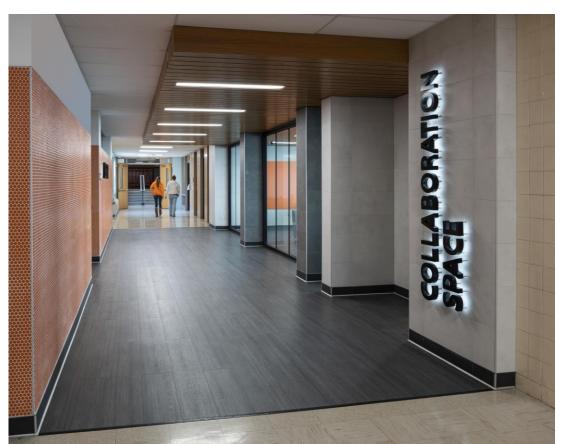


**FGM Architects** 

#### **Inclusive Wayfinding**



FGM Architects - SD157-C Chelsea Intermediate School

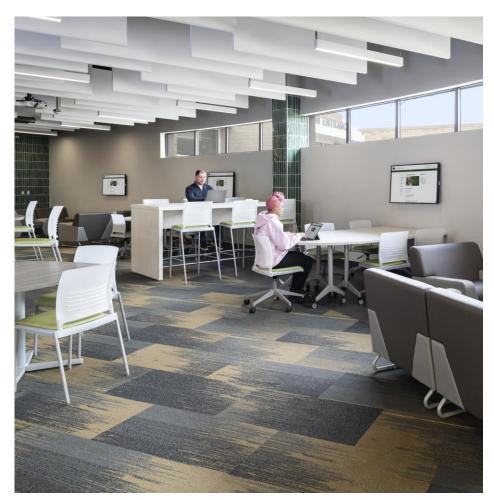


FGM Architects - CHSD155 Crystal Lake Central High School

#### **Acoustics**



FGM Architects - SD26 Prairie Trails Early Learning Center



FGM Architects - CHSD155 Crystal Lake South High School

### **Inclusive Display**



FGM Architects - SD20 Waterbury Elementary School



FGM Architects - SD157-C Chelsea Intermediate School

#### **Inclusive Programs**

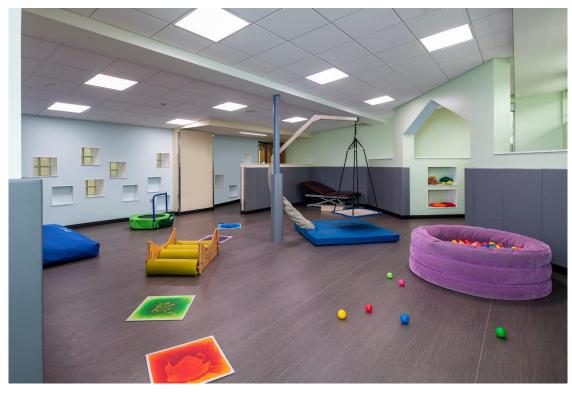


FGM Architects - Oak Park and River Forest High School

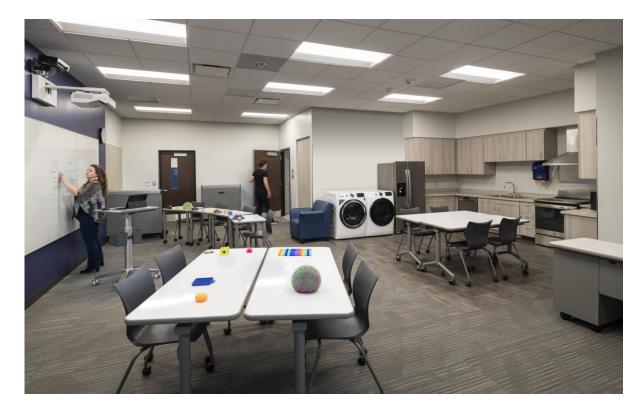


FGM Architects - SWIC eSports

### **Specialized Space**



FGM Architects - SD99 Lincoln Elementary School



FGM Architects - HSD200 Oak Park and River Forest High School

#### **Inclusive Design & Student Choice**



FGM Architects - Parkway ECC Renovation



FGM Architects - CHSD155 Cary Grove High School

#### Q&A



UNDERSTAND THE CONCEPT OF DYSREGULATION



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EVALUATE THE IMPACT OF MOVEMENT ON LEARNING

#### **Research Provided**





### Thank you

#### Reset!

