

FUELING BRAINS & **HISD**



FUELING BRAINS

The core purpose of Fueling Brains is to build the brain before we fill it.





HISD PRE-K

7 classrooms

3 right brain

3 left brain

1 hybrid

117 students

Goal for all students to be ready for academic learning by growing executive functioning skills through play-based experiences



- collaboration
- problem solving
- creativity

Right Brain
Classrooms

- individual
- focus on tasks
- build concentration



Left Brain
Classrooms

HISD DATA – DEFINED



Brain Score – overall score that shows the stages of brain development (developing, progressing, and mastering)

Neurocognitive Age – developmental ages of students

Executive Functioning Skills – measures cognitive flexibility, working memory, and inhibitory control

All of these things impact the student's ability to learn at grade level.



EXECUTIVE FUNCTIONING SKILLS




Cognitive Flexibility: allows students to deal with any encountered problems by using different strategies

Working Memory: is responsible for holding information and having it accessible when it is needed to complete a task

Inhibitory Control: allows the student to ignore any distractions and focus on the task at hand



There is a large increase in the number of students who come to school lacking these skills which impacts academic success.

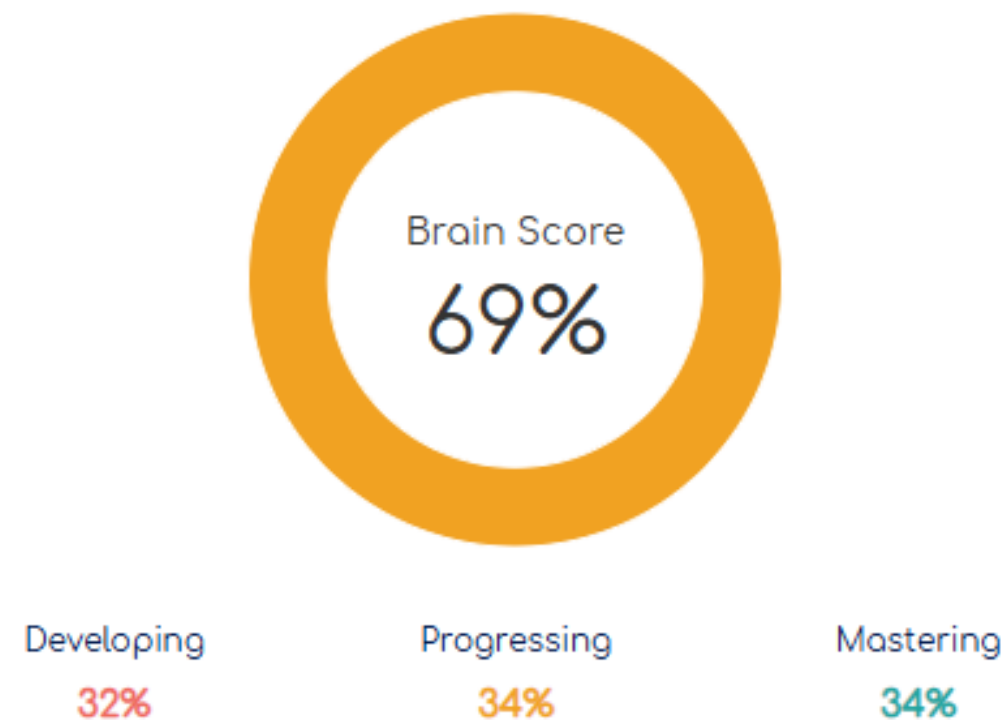


EOY 2024-2025

Before Fueling Brains

Brain Score Summary

Based on EOY assessments



Among 112 students with completed assessments, 36 students are in Tier 3, the developing stage of the brain development. 38 students are in Tier 2, the progressing stage. 38 students are in Tier 1, the mastering stage.

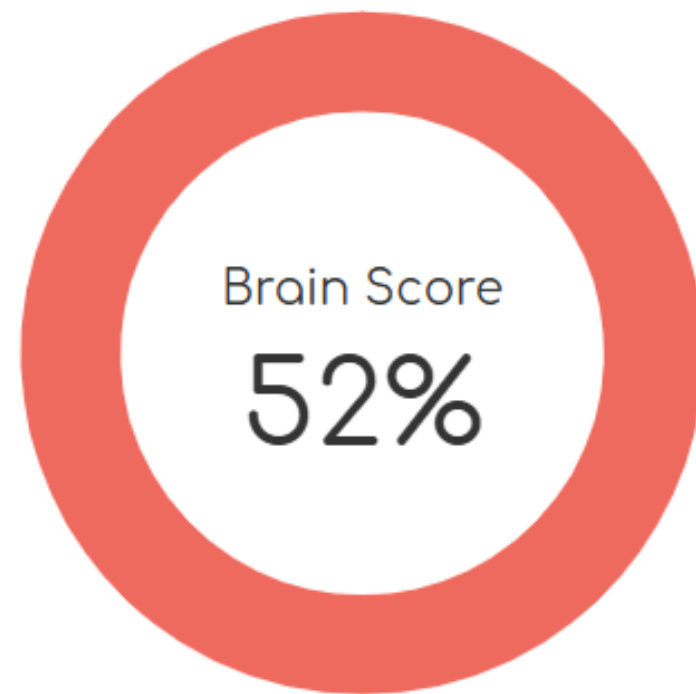
HISD Brain Score

AUG 2025

HISD Brain Score

Brain Score Summary

Based on **BOY** assessments



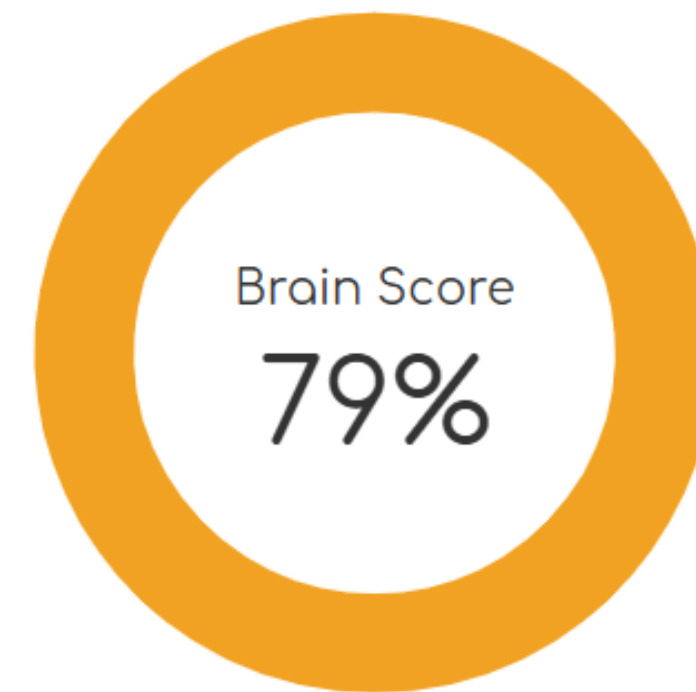
Developing 63% Progressing 33% Mastering 4%

DEC 2025

HISD Brain Score

Brain Score Summary

Based on **MOY** assessments

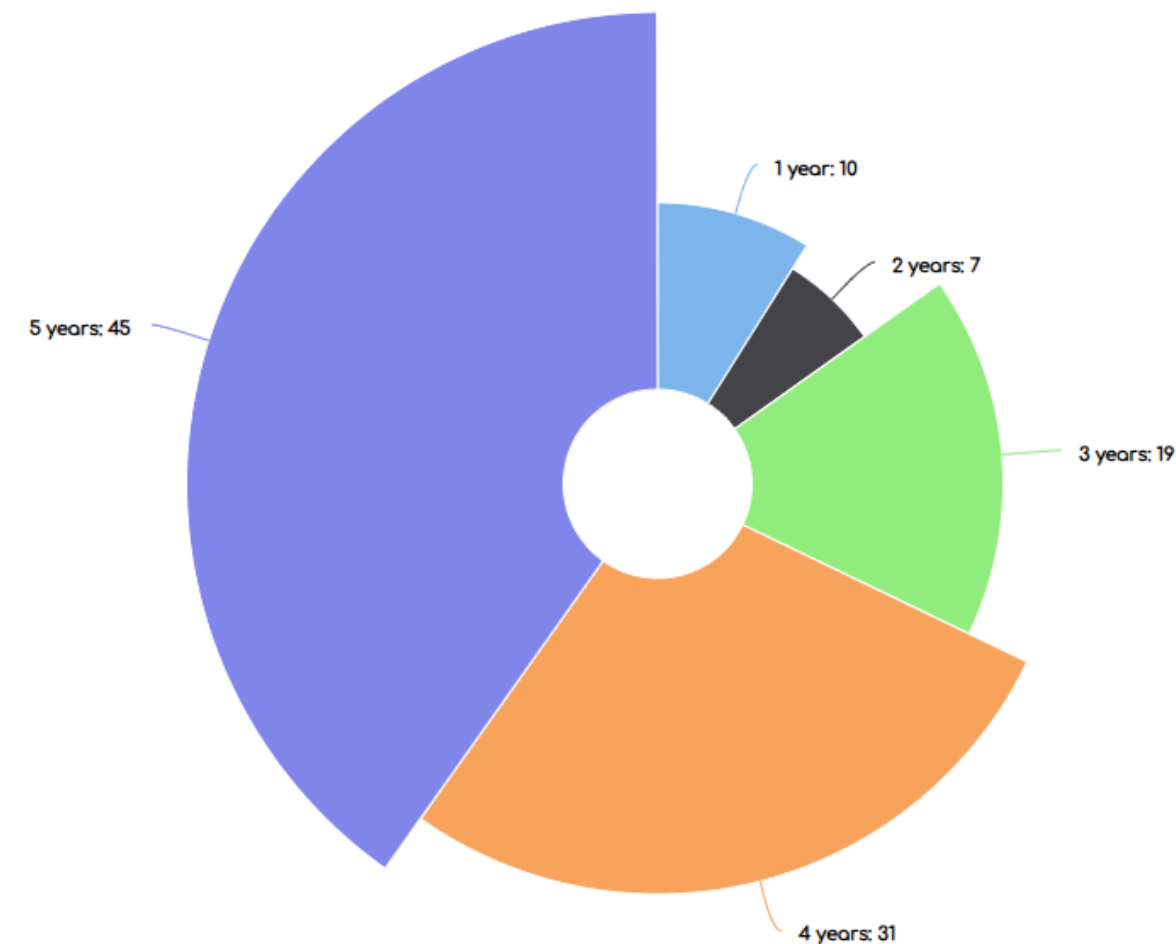


Developing 17% Progressing 28% Mastering 55%

EOY 2024-2025

Before Fueling Brains

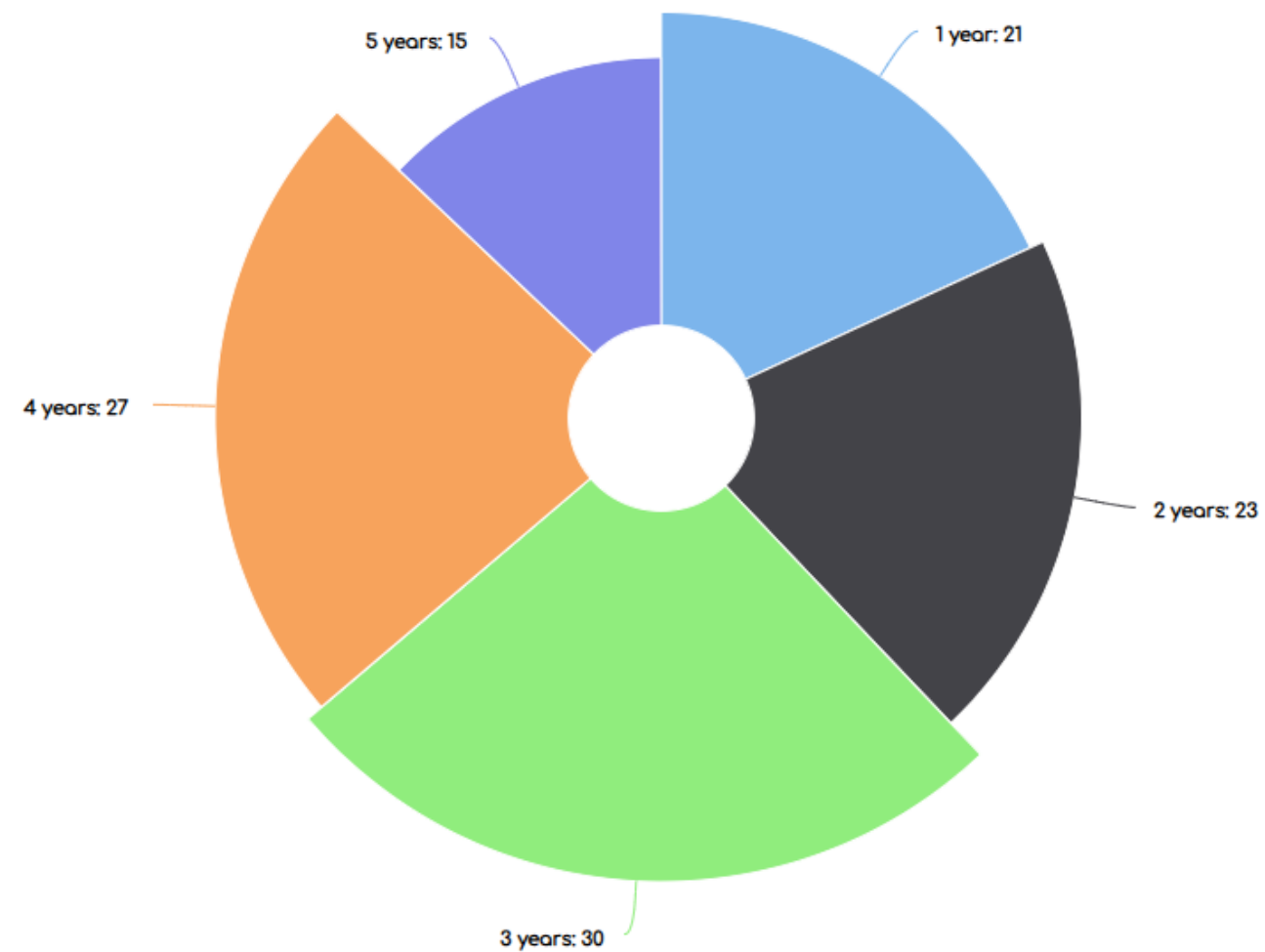
.s for EOY assessments.



Neurocognitive Age

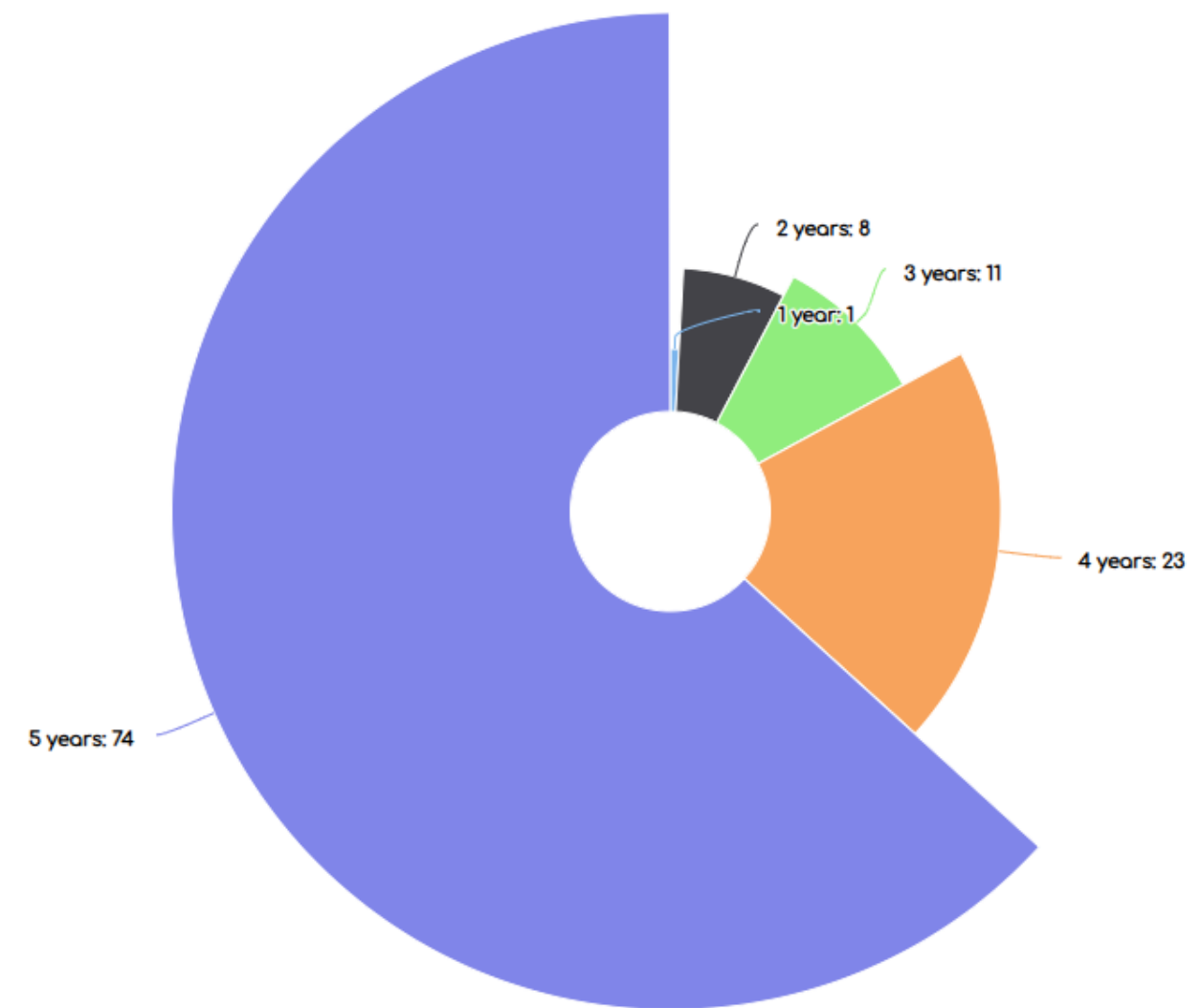
AUG 2025

Neurocognitive Age



DEC 2025

Neurocognitive Age



EOY 2024-2025

Before Fueling Brains

The EF details for EOY assessments.

All

All

All Schools (3)



75 %
Cognitive Flexibility

Allows the student to deal with any encountered problems by using different strategies.



Developing
26%

Progressing
14%

Mastering
60%



70 %
Working Memory

Is responsible for holding information and having it accessible when it is needed to complete a task.



Developing
37%

Progressing
28%

Mastering
35%



67 %
Inhibitory Control

Allows the student to ignore any distractions and focus on the task at hand.



Developing
35%

Progressing
37%

Mastering
28%

HISD Executive Function Skills

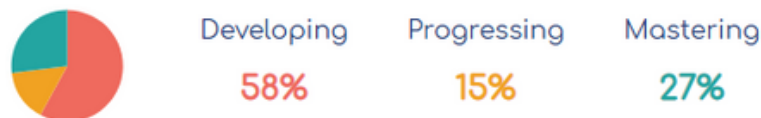


AUG 2025

HISD Executive Function Skills

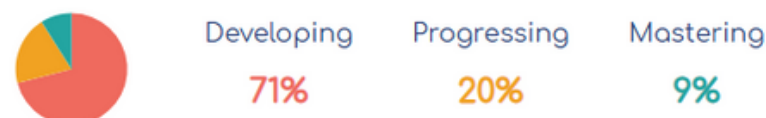
54%
Cognitive Flexibility

Allows the student to deal with any encountered problems by using different strategies.



48%
Working Memory

Is responsible for holding information and having it accessible when it is needed to complete a task.



54%
Inhibitory Control

Allows the student to ignore any distractions and focus on the task at hand.

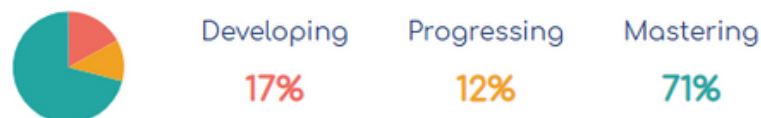


DEC 2025

HISD Executive Function Skills

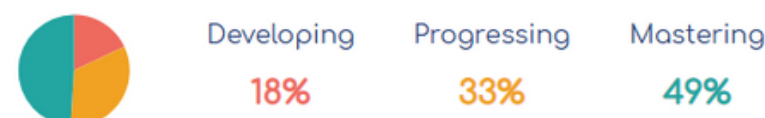
82%
Cognitive Flexibility

Allows the student to deal with any encountered problems by using different strategies.



79%
Working Memory

Is responsible for holding information and having it accessible when it is needed to complete a task.



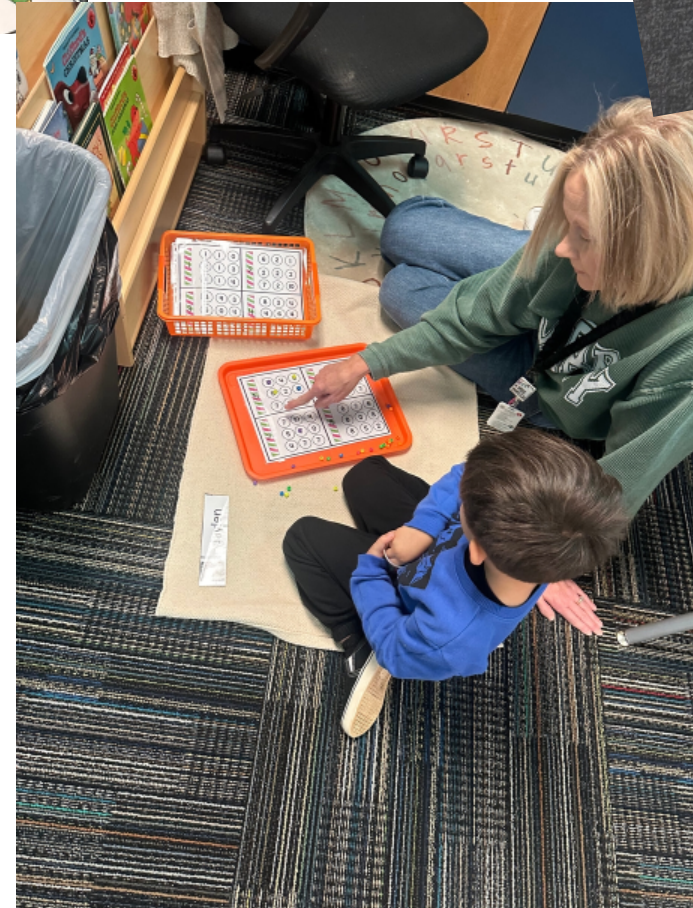
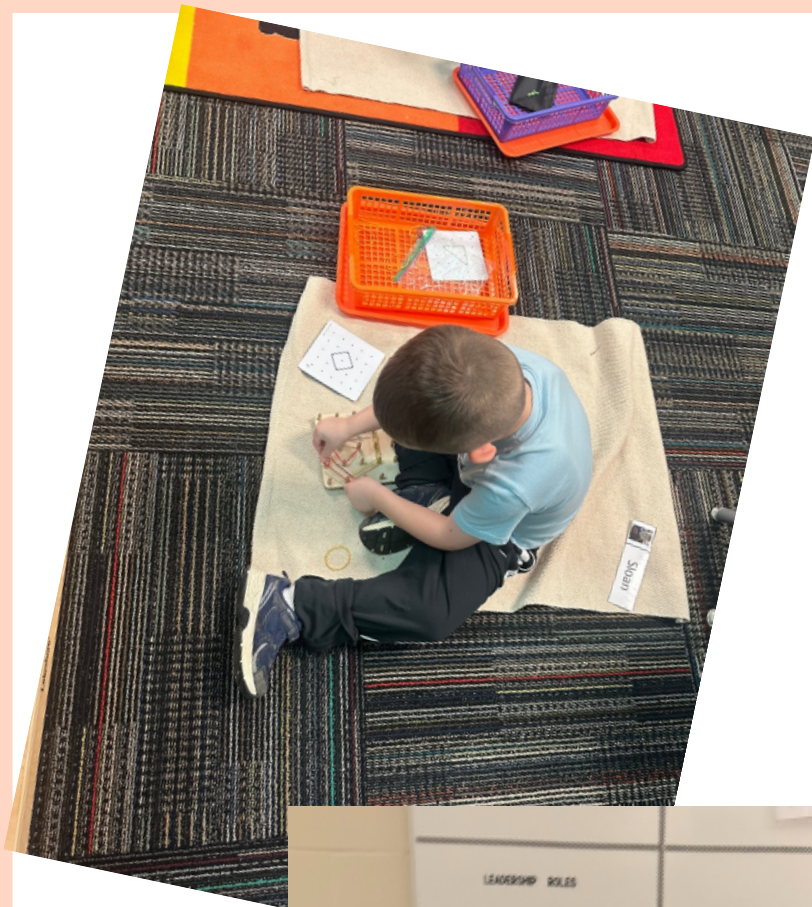
79%
Inhibitory Control

Allows the student to ignore any distractions and focus on the task at hand.



Growth

Cognitive Flexibility: 28%
Working Memory: 31%
Inhibitory Control: 25%

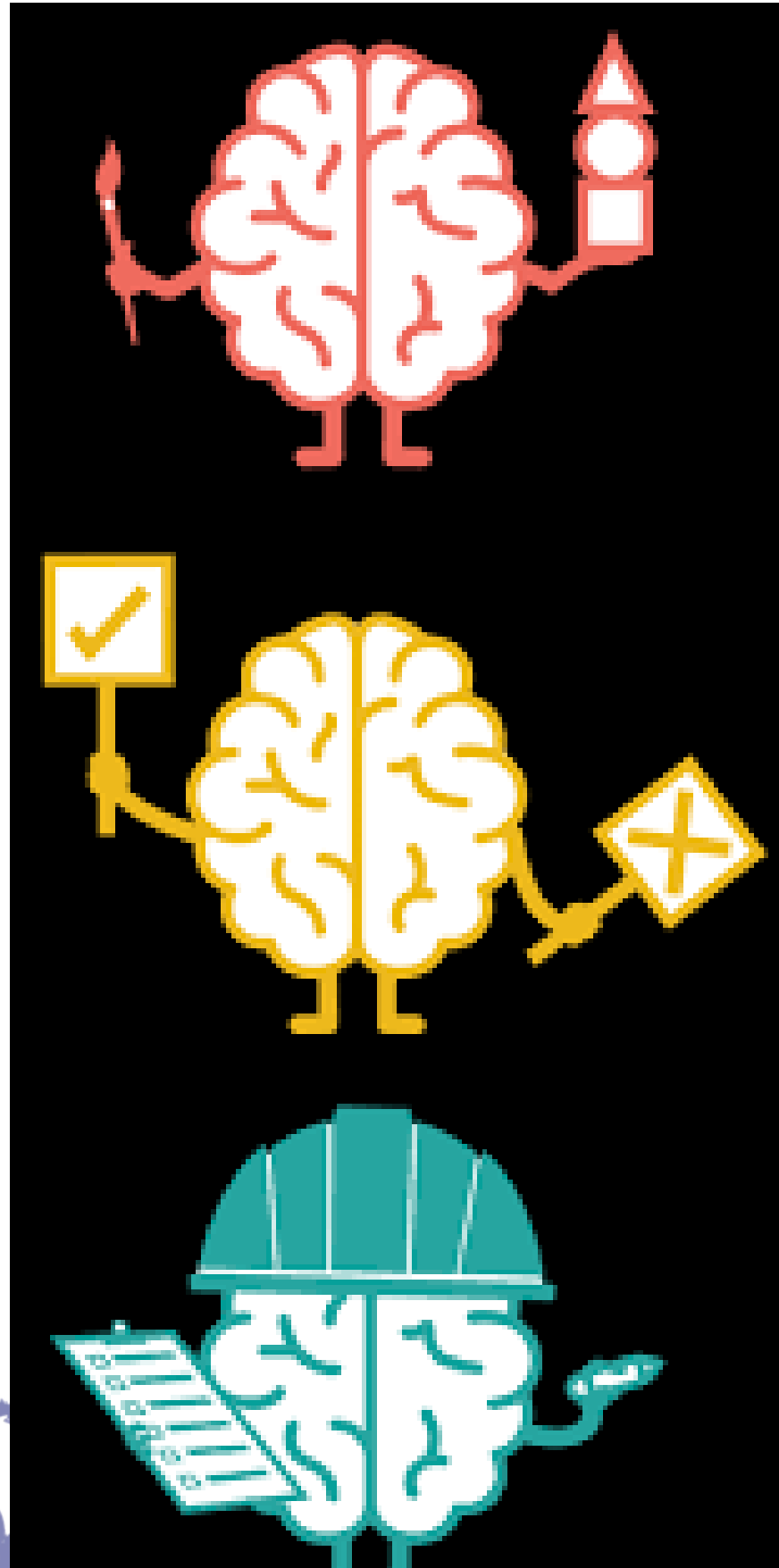




BEHAVIOR:

EXECUTIVE FUNCTION FOCUS
AND DATA





Cognitive Flexibility:

How stubborn or adaptable a child may be

Inhibitory Control:

Behavior and Self - Regulation

Working Memory:

Critical Thinking and Problem-Solving Skills

Self- Help
Impulse Control
Emotional Control
Task Initiation
Self Monitoring

Executive Function
Data: District

EOY
2024-2025

MOY
2025-2026

Cognitive Flexibility

75%

Inhibitory Control

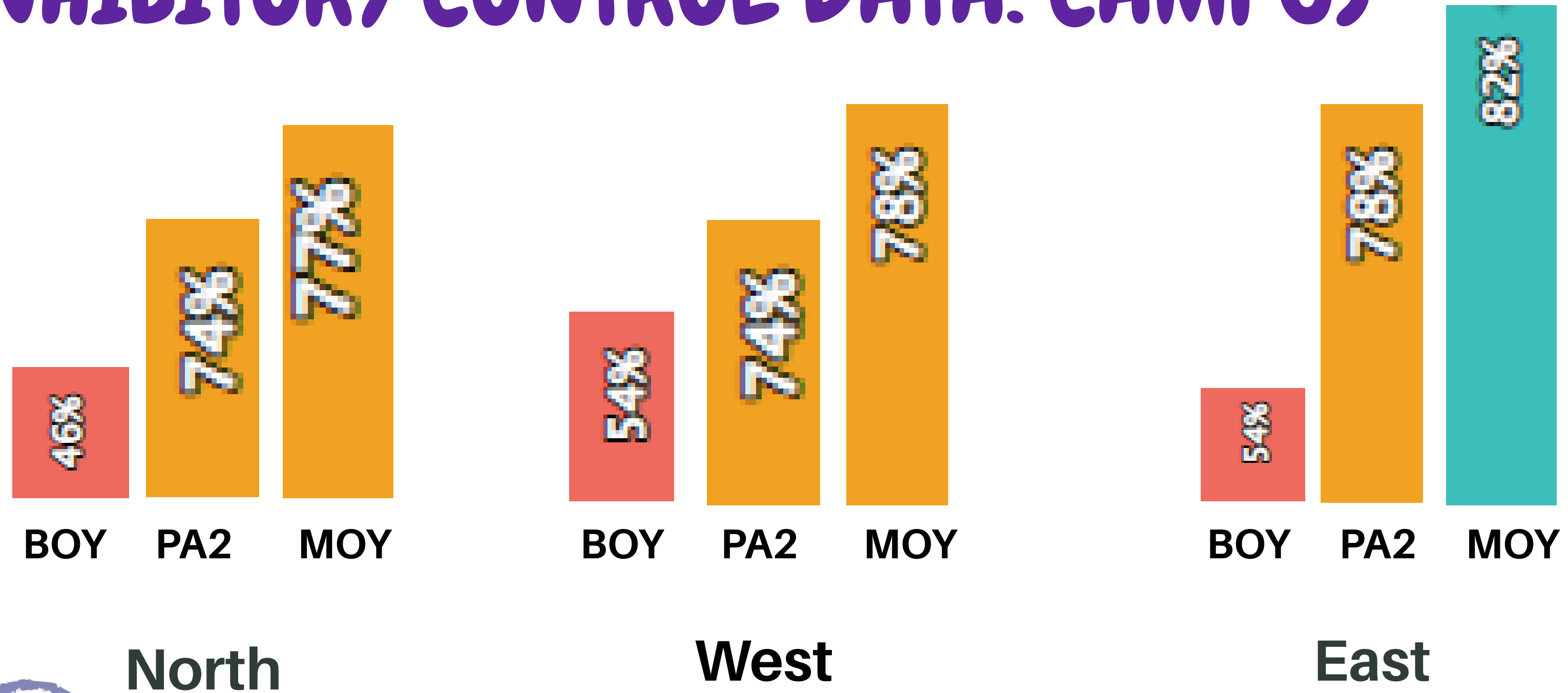
67%

Working Memory

70%



INHIBITORY CONTROL DATA: CAMPUS



Increase in Conscious Discipline approach and Brain Science awareness.
Focus on specific executive functions rather than individual behaviors.

HISD PRE-K

In partnership with Fueling Brains, our teachers are building brains for a better future.

