A GLOBAL DISTRICT
IN A GLOBAL CITY

Linked Learning Department

Aurora Terry
Director
aterry@houstonisd.org
Goal- Find data points that show positive impact of the Linked Learning program on HISD schools. Create an infographic document to share the data points with the stakeholders.
WHAT IS LINKED LEARNING?

• Linked Learning is an **approach** to education that **transforms** the traditional high school experience by bringing together **strong academics, a demanding technical education, and real-world experience** to help students gain an advantage in high school, postsecondary education, and careers.

• Students can **choose** among **industry-themed pathways** in fields such as engineering, arts and media, and biomedicine and health.
FOUR PATHWAY COMPONENTS

A comprehensive four-year program of study:

- **rigorous academics**: Students enroll in college-prep core courses emphasizing industry-themed real-world applications.

- **real-world technical skills**: Students proceed through a CTE program of study (three or more courses meeting industry standards and offering certification)

- **work-based learning**: all pathway students engage in meaningful, rigorous, relevant WBL.

- **personalized supports**: Students receive the academic, social-emotional, college/career guidance, and transportation support they need.
## COHORT SCHOOLS

<table>
<thead>
<tr>
<th>COHORT 1</th>
<th>COHORT 2</th>
<th>COHORT 3 (2016 -2017 Start)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chavez</td>
<td>Austin</td>
<td>Bellaire</td>
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<tr>
<td>Eastwood</td>
<td>Davis</td>
<td>Jones</td>
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<td>Furr</td>
<td>Houston</td>
<td>Kashmere</td>
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<td>Lee</td>
<td>Lamar</td>
<td>Long</td>
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<td>Milby</td>
<td>Scarborough</td>
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<td>Reagan</td>
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<td>Sterling</td>
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<td>Westside</td>
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<td>Worthing</td>
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<td>Yates</td>
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95% of 12th-grade students in California Partnership Academies, which practice a form of Linked Learning graduated, compared with 85% of 12th-grade students statewide.

Linked Learning students are 9% more likely to enroll in postsecondary education, particularly four-year colleges, than their peers.

Compared with their peers, Linked Learning students were more likely to report that high school prepares them for working with people in professional settings, and for working in a group to achieve a shared goal.

Linked Learning students were more likely to report improved presentation skills.

Linked Learning students were more likely to report improved ability to conduct online searches to answer a question.

Linked Learning students earned an average of 6.6 more credits in 10th grade than similar peers.

72% of Linked Learning students agree: “I know a lot about college and career planning.”

HISD GLOBAL GRADUATE
RESEARCH PROVEN SUCCESS

- Linked Learning students of all demographic groups had higher GPAs, were less likely to drop out, and earned more high school credits than students enrolled in a traditional comprehensive high school (Connect ED, 2015)

- Compared with their peers, Linked Learning students were more likely to report that high school prepares them for working with people in professional settings due to their project management skills, collaboration skills and communication skills (Connect Ed, 2015)
HISD Race To The Top Schools – Cohort 1

Students Served by Race To The Top Grant
2014-2015 compared to 2015-2016

<table>
<thead>
<tr>
<th>School Type</th>
<th>2014-2015</th>
<th>2015-2016</th>
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<tbody>
<tr>
<td>Elementary School</td>
<td>8,968</td>
<td>14,888</td>
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<tr>
<td>Middle School</td>
<td>19,783</td>
<td>25,921</td>
</tr>
</tbody>
</table>
HISD LINKED LEARNING HIGH SCHOOLS

RTTT / Linked Learning High School Students
2014-2015 compared to 2015-2016

High School

2014-2015: 3,016
2015-2016: 1,916

Number of Students
COMMON FEATURES

- Open and equity-driven enrollment
- A diverse, voluntary student cohort
- Small school feel 250 – 500 students (9 – 12)
- Industry theme unifies instruction
- Personalized supports
- Work-based learning
- Personalized, relevant learning
- Student voice and choice
COMMON FEATURES

- A pathway teacher team: core and CTE/elective
- A pathway lead teacher, dedicated counselor and administrator
- Common planning time
- Collegial data-driven planning
- Common set of pathway outcomes
- Intentional course of study
- Interdisciplinary projects
HISD Linked Learning Students:

- More than 95% attend school daily
- Are 50% less likely to drop out
- Commit three times fewer discipline infractions than their non-participating peers
- Have an average GPA that is .35 points higher than Non-Participating students (Grade 9)
- Score as much as four points higher on the PSAT (Grade 10)
2014 - 2015 Attendance Rates for Grades 9 & 10
Linked Learning vs Non-Participating Students

G9 Non-P: 93.44%
G9 District AVG: 93.78%
G9 LL Students: 95.61%
G10 Non-P: 92.13%
G10 District AVG: 94.40%
G10 LL Students: 95.77%
HISD LINKED LEARNING DROP OUT COMPARISON

2014-2015 Dropout Rates
Linked Learning vs Non-Participating Students

Grade 9 District: 2.52%
Grade 9 LL: 1.81%
Grade 10 District: 2.50%
Grade 10 LL: 0.89%
G9 & 10 District combined: 2.51%
G9 & 10 LL combined: 1.42%
HISD LINKED LEARNING DISCIPLINE RATES

2014 - 2015 Discipline Incidents
Linked Learning vs Same Grade for District

- G9 - LL: 291
- G9 - District: 1747
- G10 - LL: 133
- G10 - District: 1076
HISD LINKED LEARNING GPA

Grade 9 GPA – Linked Learning Students

- Eastwood Acad HS: 3.44
- Lee HS: 2.17
- Reagan HS: 2.62
- Sterling HS: 2.70

Legend:
- Non-PARTICIPATING Students
- Linked Learning Students
HISD LINKED LEARNING GPA

Grade 10 GPA – Linked Learning Students

- Chavez HS: 2.07
- Furr HS: 2.40
- Milby HS: 3.18

Non-PARTICIPATING Students
Linked Learning Students
HISD LINKED LEARNING PSAT SCORES

2014-2015 PSAT Score
Grade 10 Average

LL Campus NonP Average: 49.88
Milby HS: 50.66
Furr HS: 50.53
Chavez HS: 53.39
PROJECTS IN THE WORKS

• **National Science Foundation Grant:** The proposal, which is in the preliminary stage, focuses to extend HISD Linked Learning down to Pre-K through 8th grades and with HCC and UH to extend many of the components of the program up into higher education, with the goal of retaining more underrepresented minority students in STEM.

• **City of Houston Summer Jobs Program:** A collaboration with the Mayor’s office. The goal is to employ 5,000 students in jobs that align with their current pathway and future career interests.

• **East End Chamber of Commerce:** Formalize industry partnerships for each of the high school pathways to provide site based advisory boards, work based learning experiences for students, and externship/industry experiences for teachers.
NEXT STEPS

Campus/Pathway Expansion
- Aligned with CTE Pathways
- Summer teacher/administrator training

Formalize Industry Partnerships
- Student Job Shadowing Experiences
- Summer Externships for teachers
- Campus and District Advisory Committees
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THANK YOU