

Strategic Plan | Specific Result Report

Goal 1 Action Plan Year 2 Priorities – 2018-19

Call to Action:

Katy ISD learners, through active engagement, achieve individual success while making positive contributions in an ever-changing world.

Goal 1:

All learning environments will foster engagement by integrating personalized learning experiences.

Specific Result:

1.8 Identify current Career and Technical course pathways; consult with community and business leaders to determine workforce needs; assess resources and facilities and survey students to determine interest.

Summary Report:

The Office of Career and Technical Education worked with a variety of stakeholders, both internal and external, to review the current status of career and technical education programs and explore possible options for expansion and enhancement. This process also included gathering information through a student interest survey. In addition, data was collected from the Career and Technical Education Four-Year Plan to determine student interest in industries within the 15 Career Clusters. Findings from this work and recommendations were presented to the Board of Trustees on December 10, 2018. The Office of Career and Technical Education will prioritize and take appropriate action on the recommendations.

Recommendations:

1. Build partnerships with higher education
2. Increase industry credentialing opportunities
3. Promote CTE programs and benefits beginning in junior high
4. Continue involvement with workforce and economic development councils and committees
5. Conduct in-depth analysis of CTE pathways

Career & Technical Education

PRESENTED BY SARAH MARTIN

DECEMBER 10, 2018

Strategic Design Framework Connections

Call to Action:

All Katy ISD learners, through active engagement, achieve individual success while making positive contributions in an ever-changing world.

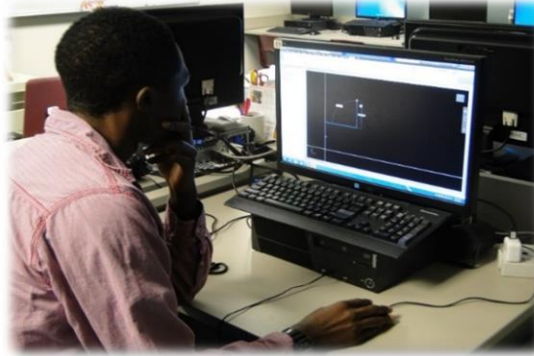
Goal 1:

All learning environments will foster engagement by integrating personalized learning experiences.

Specific Result 1.8:

Identify current Career and Technology course pathways; consult with community and business leaders to determine workforce needs; assess resources and facilities and survey students to determine interest.

What is Career & Technical Education?



What does CTE look like in Katy ISD?

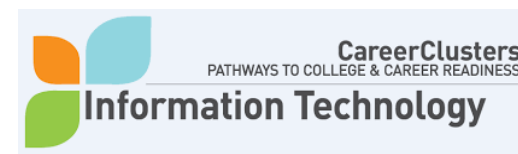
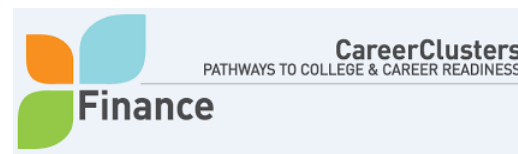
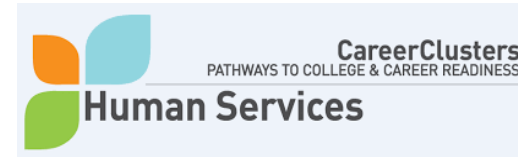
- 6 program areas
- 15 career clusters
- 100+ unique courses
- Enrollment = 18,537 in grades 9 through 12



CTE Program Areas

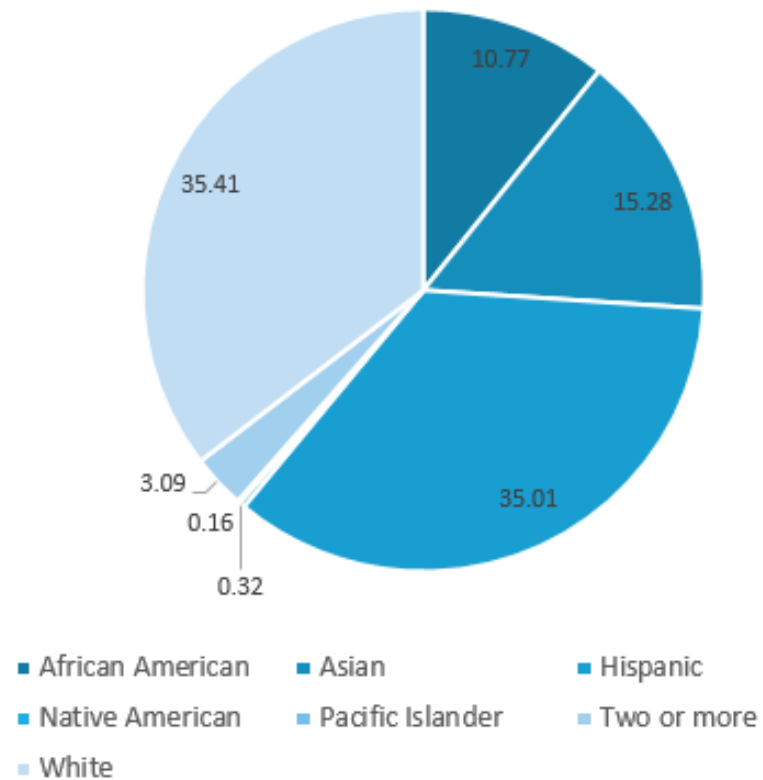
- Agricultural Sciences Education
- Business and Information Technology
- Engineering and Technology Education
- Family and Consumer Sciences
- Health Sciences
- Trade and Industrial Education

National Career Clusters

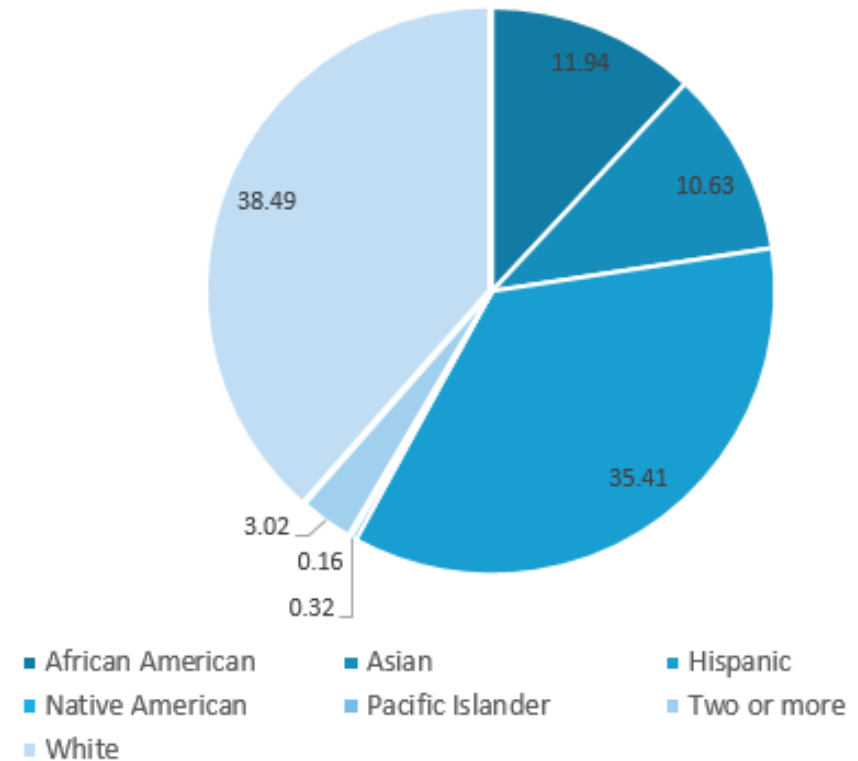


Snapshot of Katy ISD & CTE

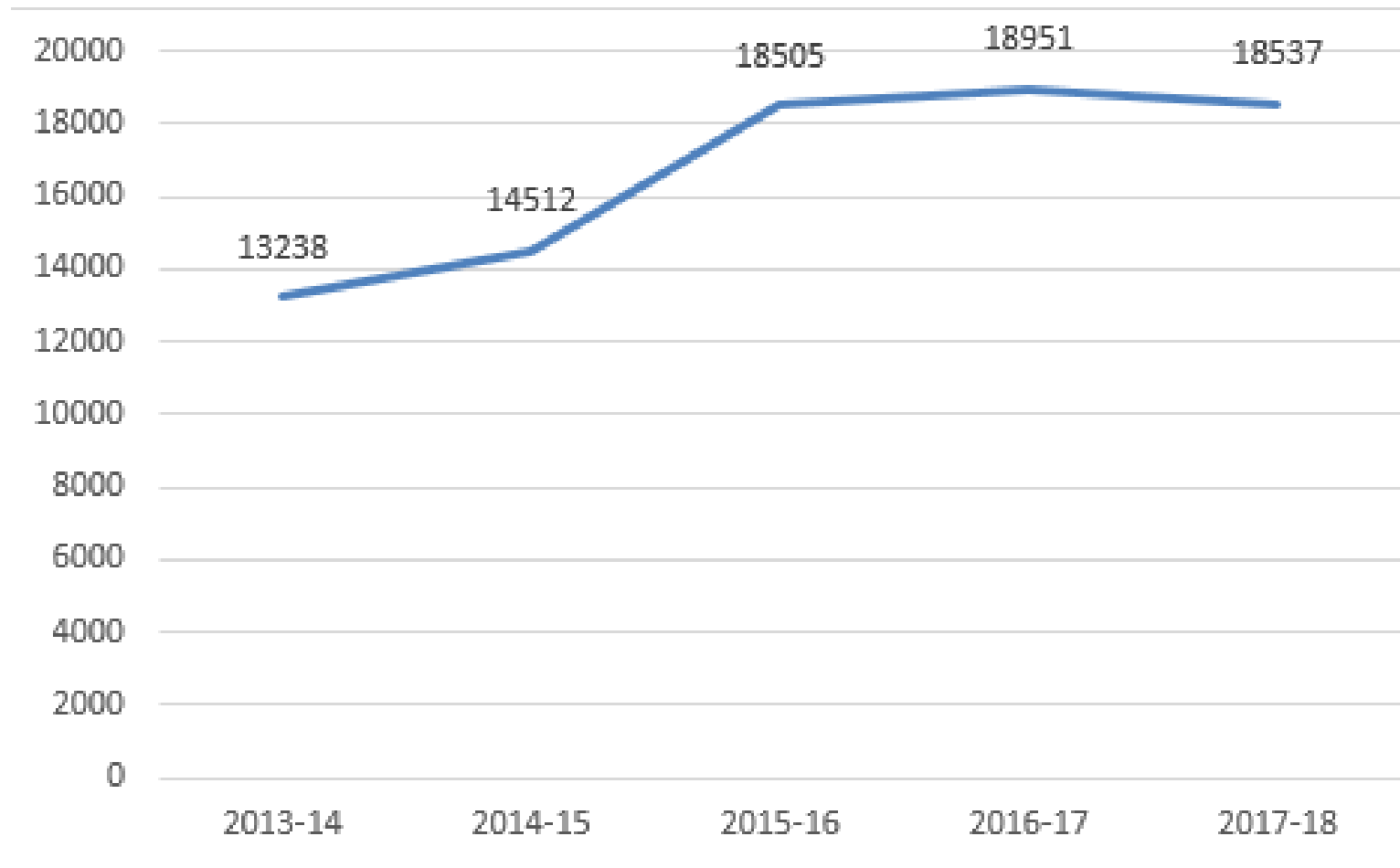
Katy ISD



KISD CTE



CTE Enrollment Trends



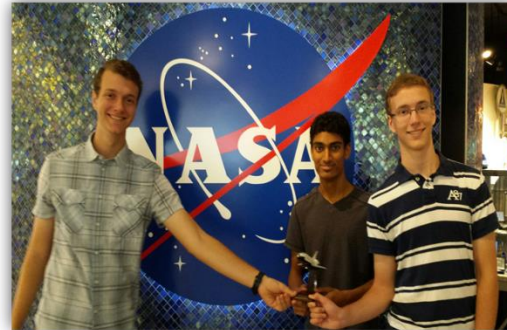
Pipeline to Industry

Prepare students with knowledge and skills to succeed in further education and the workforce.

- Student leadership development
- Work-based learning opportunities
- Industry credentialing opportunities



Student Leadership Development



Work-based Learning Opportunities

Career Prep

- Aeropostale
- Chick-fil-A
- CVS
- Eagle's Trace Retirement
- ER Katy
- Five Below
- HEB
- Home Depot
- Houston Swim Club

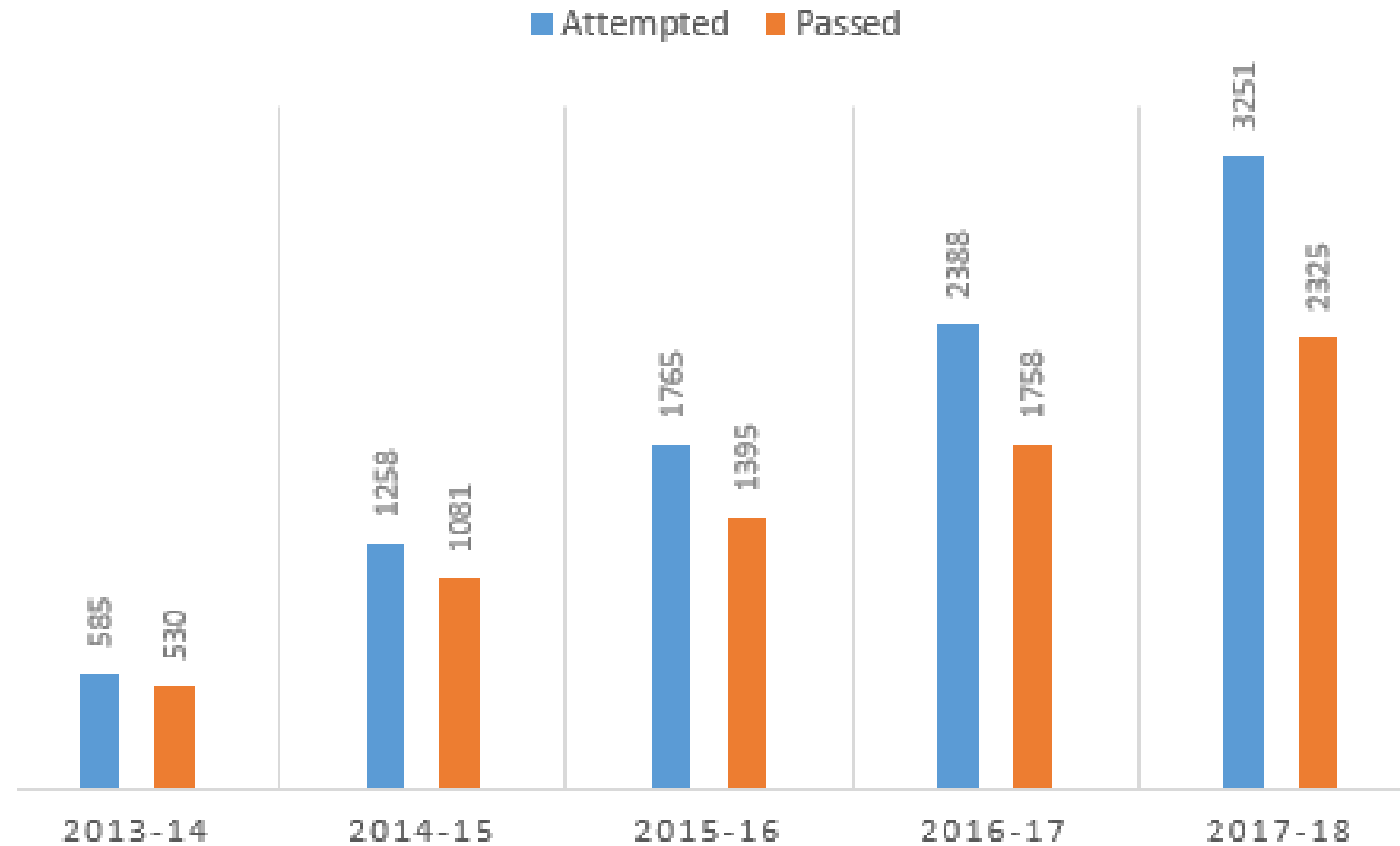
Practicum

- Lifetime Athletic
- Methodist West
- Mustang
- Prosperity Bank
- Quest IRA
- Shell
- Spring Creek BBQ
- Travis Medical
- Upstream Engineering, LLC
- YMCA

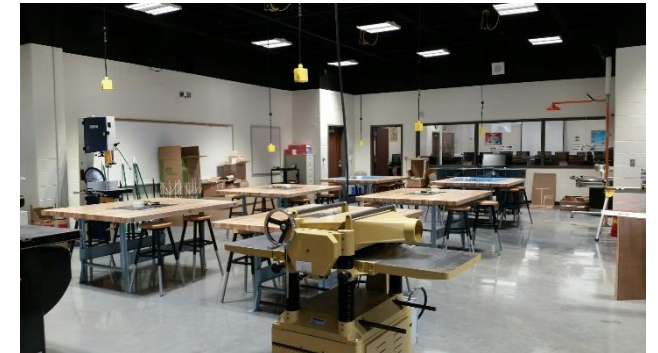
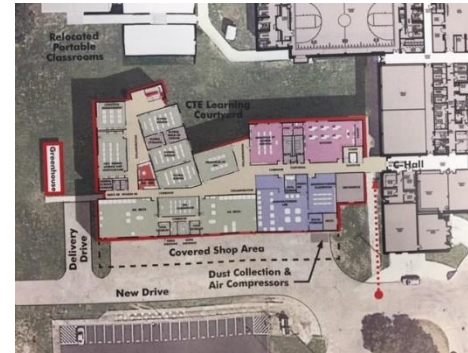
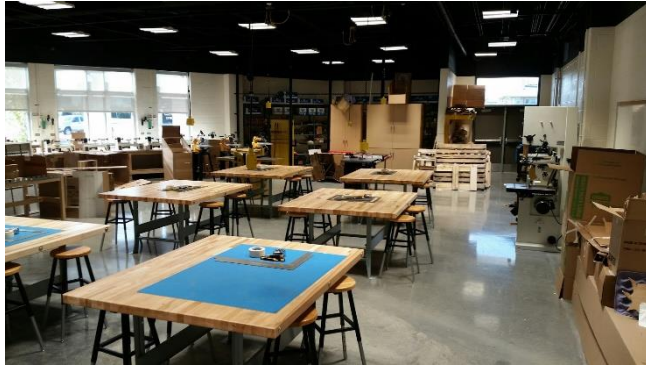
Internship



Industry Credentialing



CTE Facilities



CTE Data

CTE Student Achievement - STAAR EOC

Percentage of Students Passing STAAR EOC Assessment

		Spring 2013		Spring 2014		Spring 2015		Spring 2016		Spring 2017		Spring 2018	
		# Tested	% Met Lvl2	# Tested	% Met Lvl2	# Tested	% Met Lvl2	# Tested	% Met Lvl2	# Tested	% App	# Tested	% App
Algebra I	Katy ISD	5,083	90%	5,306	90%	5,800	89%	5,833	89%	6,187	95%	6,138	94%
	CTE Students	328	92%	244	91%	315	90%	414	89%	354	96%	408	94%
Biology	Katy ISD	4,996	94%	5,304	96%	5,656	96%	5,687	95%	5,955	96%	6,035	96%
	CTE Students	486	97%	398	98%	482	99%	664	98%	603	99%	738	98%
English I	Katy ISD	5,148	81%	5,793	83%	5,806	82%	5,885	82%	6,220	82%	6,407	81%
	CTE Students	515	86%	465	89%	499	87%	680	88%	646	89%	778	85%
English II	Katy ISD	4,641	89%	5,183	85%	5,327	83%	5,790	83%	5,929	82%	6,202	83%
	CTE Students	631	93%	725	89%	864	89%	1,139	91%	1,342	89%	1,525	88%
US History	Katy ISD	24	83%	4,417	98%	4,768	97%	4,984	97%	5,279	98%	5,338	97%
	CTE Students	-	-	897	99%	1,019	98%	1,229	98%	1,400	99%	1,814	98%

¹ Does not include STAAR Alt2

CTE Student Achievement - Graduation Rate



	Four Year Graduation Rates*					
	State	State CTE	Region 4	Region 4 CTE	Katy	Katy CTE
Class of 2017	89.7%	95.8%	88.7%	94.0%	93.6%	97.8%
Class of 2016	89.1%	95.6%	88.3%	94.6%	93.0%	97.4%
Class of 2015	89.0%	95.6%	88.5%	94.4%	92.9%	97.2%
Class of 2014	88.3%	95.2%	87.8%	94.7%	91.8%	96.1%
Class of 2013	88.0%	94.9%	87.4%	94.0%	92.7%	97.5%
Class of 2012	87.7%	95.0%	86.7%	93.7%	92.5%	97.7%
Class of 2011	85.9%	94.5%	85.4%	93.5%	92.2%	96.9%
Class of 2010	84.3%	93.9%	83.2%	93.1%	93.0%	96.4%
Class of 2009	80.6%	91.5%	79.4%	N/A	91.5%	92.9%**



Source: TEA Four Year Graduation Rates, <http://tea.texas.gov/acctres/dropcomp/years.html>, Table 1 for District Data.

*Based on Federal Accountability, to match PBMAS

**From PBMAS, not available in graduation rate data search.



CTE Student Achievement - Drop Out Rate



Annual Dropout Rates, Grades 9-12*

	State	State CTE	Region 4	Region 4 CTE	Katy	Katy CTE
 2016-17	1.9%	1.0%	2.3%	1.5%	0.6%	0.2%
2015-16	2.0%	1.0%	2.2%	1.4%	0.7%	0.2%
2014-15	2.1%	1.0%	2.2%	1.2%	0.9%	0.4%
2013-14	2.2%	1.1%	2.2%	1.3%	1.1%	0.6%
2012-13	2.2%	1.2%	2.3%	1.4%	1.2%	0.6%
2011-12	2.4%	1.3%	2.6%	1.7%	1.1%	0.4%
2010-11	2.4%	1.2%	2.5%	1.5%	0.7%	0.5%
2009-10	2.4%	1.2%	2.5%	1.4%	0.8%	0.5%
2008-09	2.9%	1.5%	2.9%	1.6%	1.0%	0.6%
2007-08	3.2%	1.9%	3.6%	2.3%	0.9%	0.6%

Source: TEA Annual Dropout Rate Data, http://tea.texas.gov/acctres/drop_annual/, Table 2 for District Data

*Based on State Accountability



State Accountability - Student Achievement Domain CCMR

College Ready

- Meet Criteria of 3 on AP or 4 on IB examinations
- Meet TSI criteria (SAT/ACT/TSIA/college Prep course) in reading and mathematics
- Complete a course for dual credit (9 hours or more in any subject or 3 hours or more in ELAR/mathematics)
- Earn an associates degree
- Complete an OnRamps course
- Meet standards on a composite of indicators indicating college readiness

Career Ready

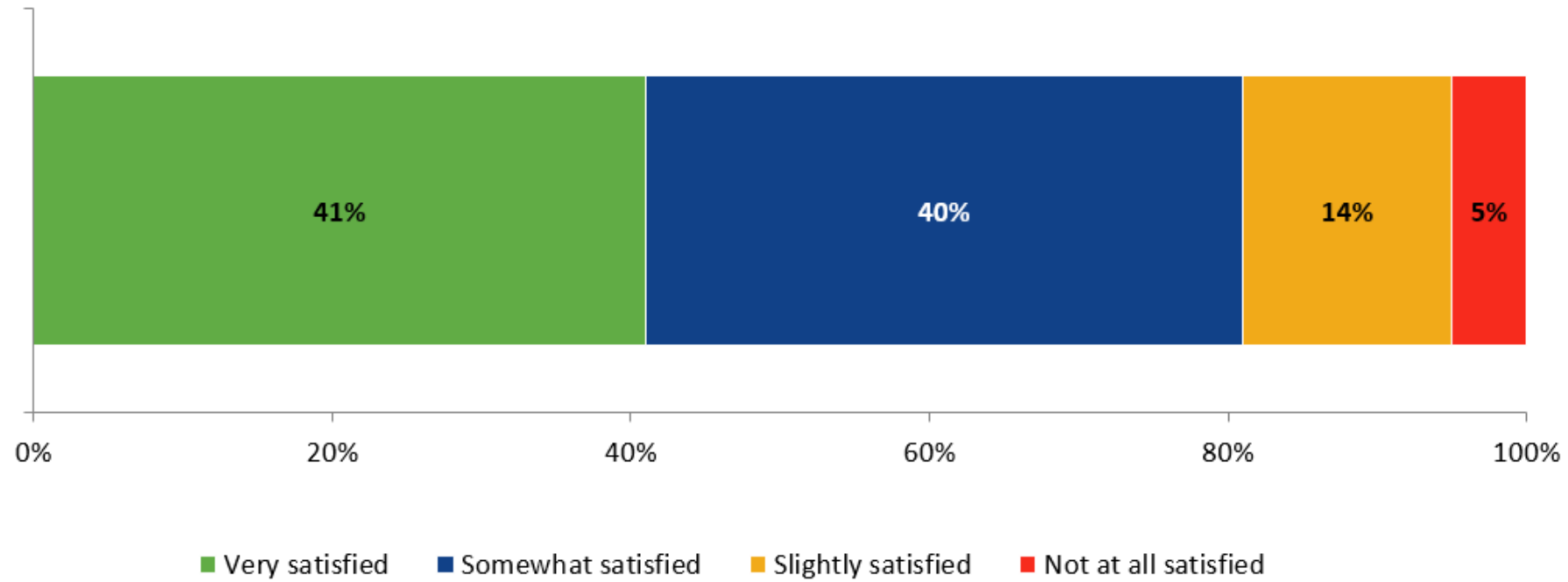
- **Earn industry-based certification**
- **CTE coherent sequence coursework completion and credit aligned with approved industry-based certifications (.5 point credit)**
- Graduate with completed IEP and workforce readiness
- **Be admitted to post-secondary industry certification program**

Military Ready

- **Enlist in the United States Armed Forces**

Student Interest Survey Results

Satisfaction with Career Preparation

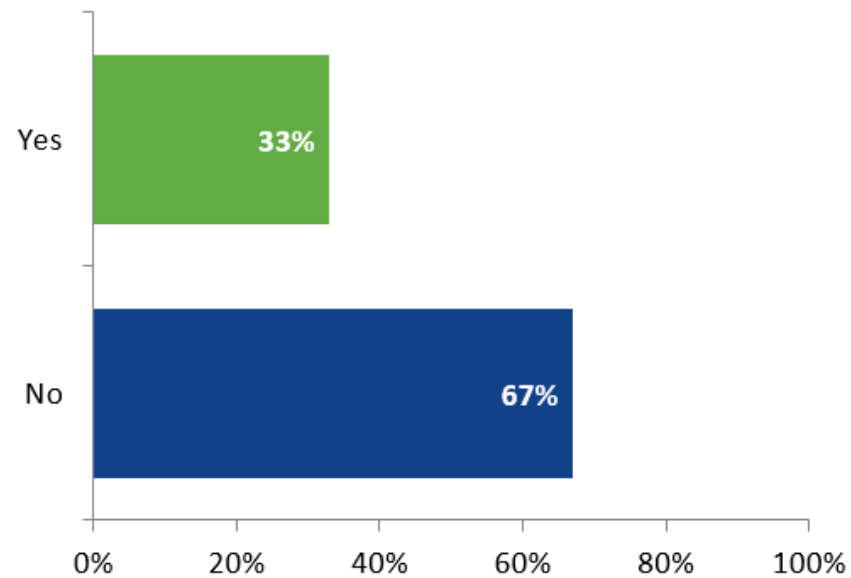


Note: Only students who said they are enrolled in a CTE program or course answered this question.

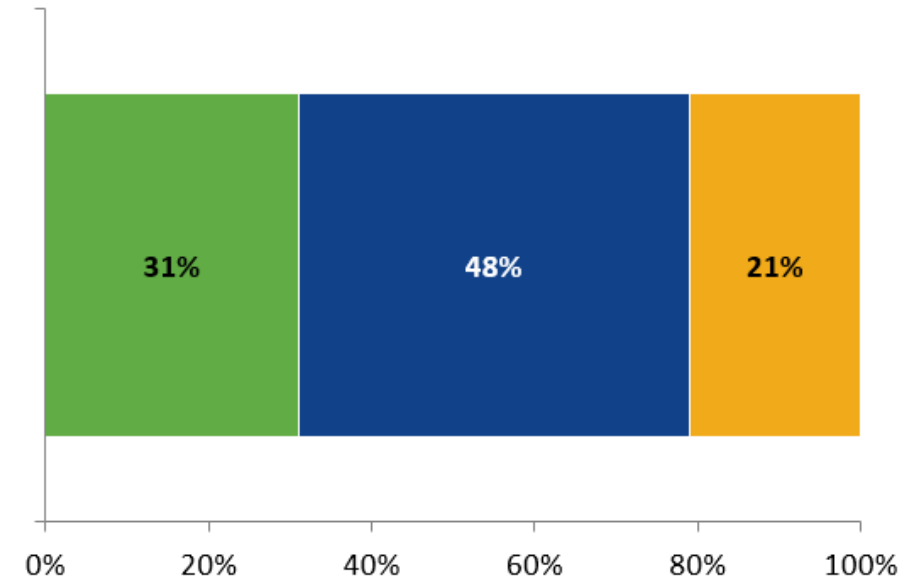
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Credential, Certification, or Licensure

Have you received an industry credential, certification, or licensure, or are you working toward one, as a result of completing a CTE program? (N=2,764)



To what extent is your plan after high school related to the CTE program you are working on now? (N=2,765)



■ Closely Related ■ Somewhat Related ■ Not Related

Note: Only students who said they are enrolled in a CTE program or course answered these questions.

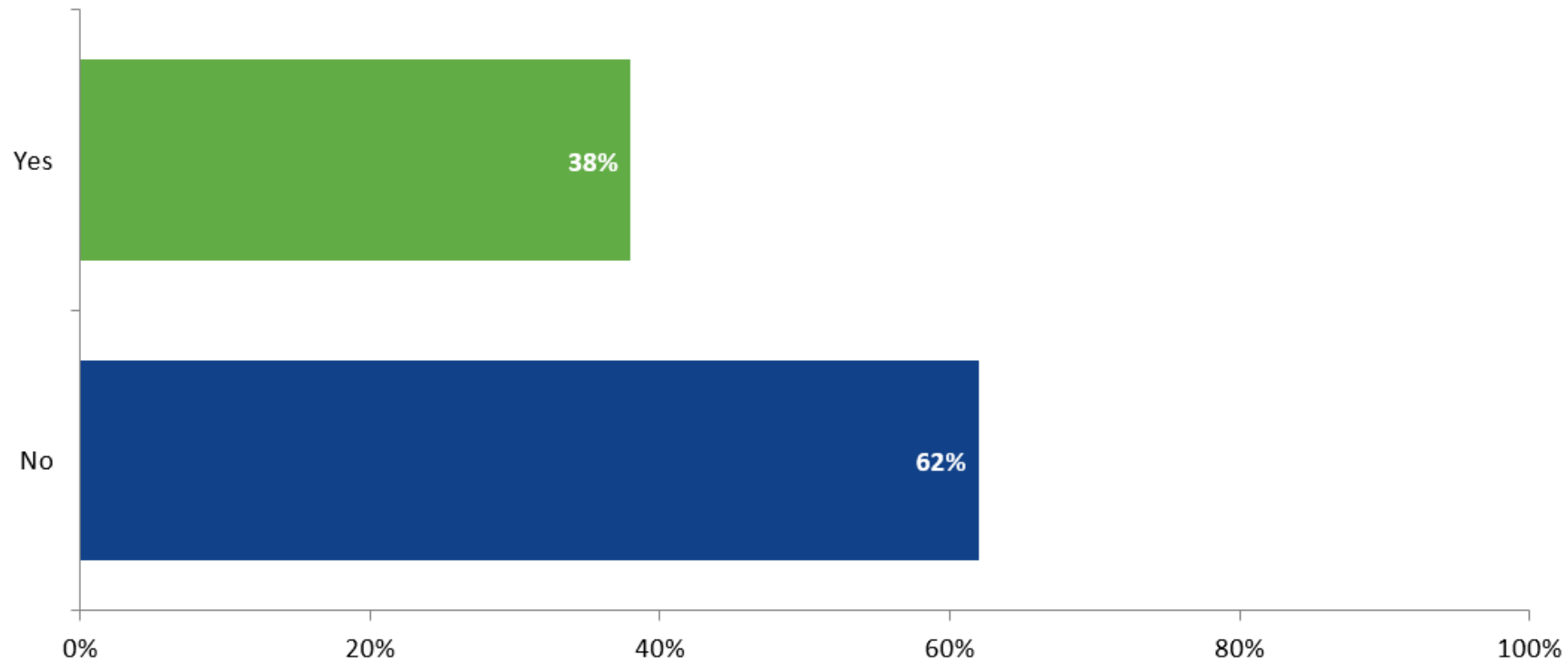
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Programs of Study (Career Clusters)

Response	Count (N)	Percentage (%)
Agriculture	153	6
Architecture and Construction	124	5
Arts, Audio Video Technology, and Communications	299	11
Business Management and Administration	201	7
Education and Training	82	3
Finance	63	2
Government and Public Administration	37	1
Health Science	461	17
Hospitality and Tourism	63	2
Human Services	168	6
Information Technology	56	2
Law, Public Safety, Corrections, and Security	114	4
Manufacturing	91	3
Marketing	48	2
Science, Technology, Engineering, and Mathematics	751	27
Transportation, Distribution, and Logistics	31	1

Programs of Study (Career Clusters)

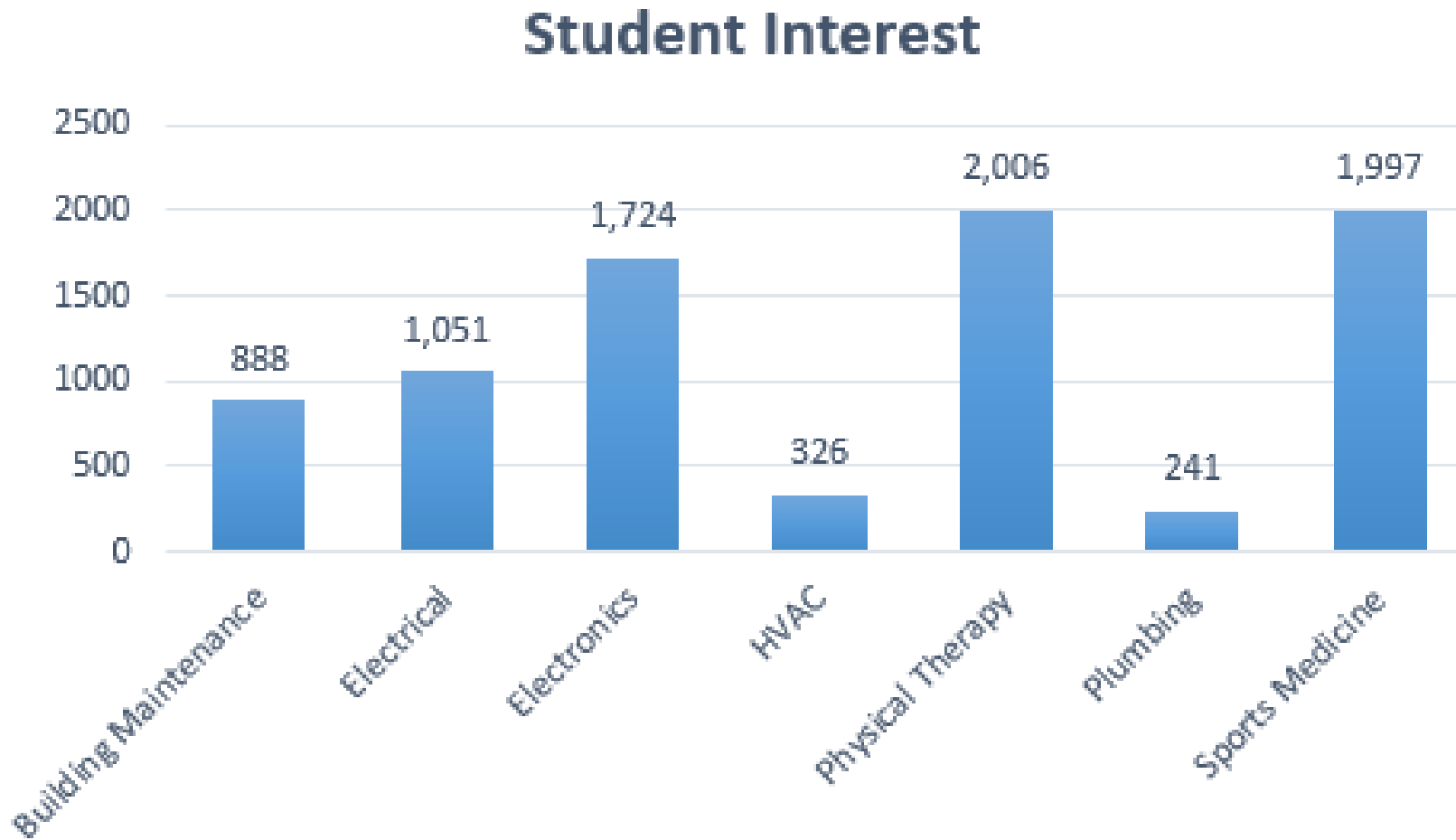
Have you heard about Katy ISD's Miller Career and Technology Center? (N=12,774)



Note: Only junior high students answered this question.

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4-Year Plan Student Responses



Recommendations

Summary of Recommendations

1. Build partnerships with Higher Education
2. Increase Industry Credentialing
3. Promote CTE programs and benefits beginning in junior high
4. Continue involvement with workforce and economic development councils and committees
5. Conduct in-depth analysis of CTE pathways

1. Build Partnerships

Health Science Pathway



Education & Training Pathway



2. Increase Industry Credentialing

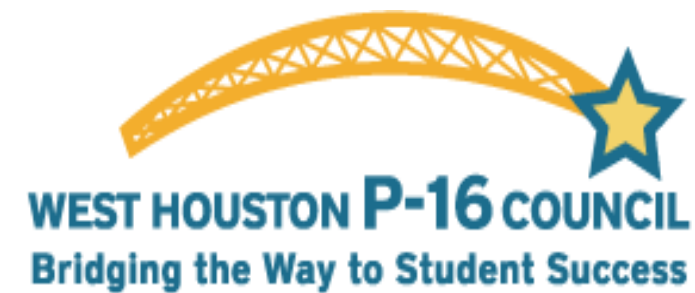
- Review TEKS and industry standards
- Review credentialing opportunities
- Receive guidance/feedback from CTE General Advisory Council



3. Promote CTE

- Create a marketing campaign for Miller Career & Technology Center
 - Brochure Miller Career & Technology Center
 - Tours - elementary and junior high
 - Video showcasing Miller programs
 - Social Media
- Visit Junior High campuses
- Summer Camps
 - Continue CTE STEM Maker Camp grades 6 through 8
 - Create Miller Camp grades 8 and 9
- Engage in guidance summer professional development

4. Continue Involvement

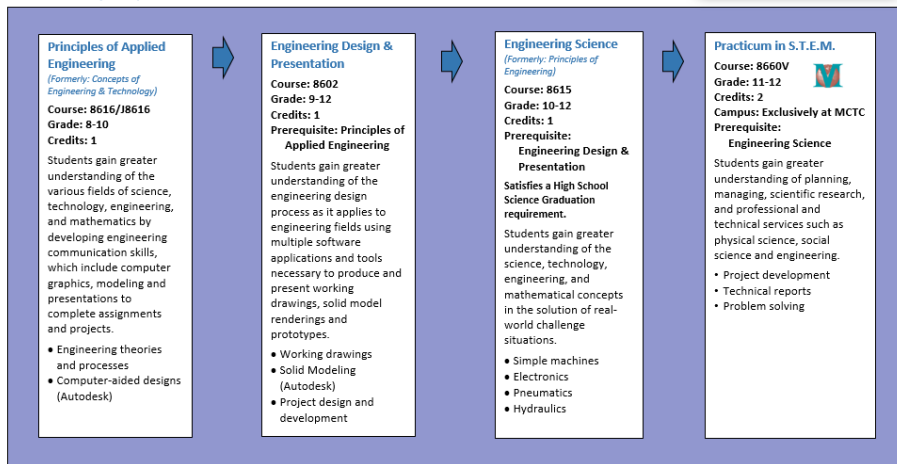


5. Conduct In-depth Analysis

Review current CTE pathways and conduct a gap analysis

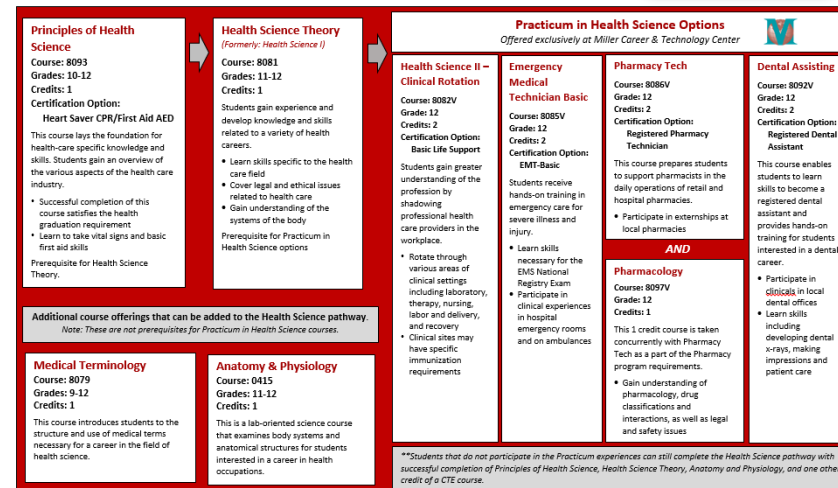
Engineering

Pathway Option to Meet the STEM Endorsement



Health Science

Pathway Option to Meet the Public Services Endorsement



Thank you