MONTGOMERY ISD

MISD

ONE PATH, TOGETHER

CAREER AND TECHNICAL EDUCATION

AMY VANCE, DIRECTOR

OCTOBER 19, 2021

Career and Technical Education

Career &Technical Education

Agenda of what will be presented tonight…

- Will discuss our department's individual goals as they pertain to each district goal (1-5) in the strategic plan
- Will specify which strategies for each goal have deadlines passed and deadlines approaching
- Will report on the strategies that have been completed
- Will report on strategies that have approaching timelines
- What's next for our department?

CTE 101

Endorsements- Business and Industry, Public Service, STEM, Arts & Humanities, and Multidisciplinary (HB5)

Career Clusters- MISD offers 11 of the 14 current TEA recognized Career Clusters

Programs of study (POS) went into effect for the 2020-2021 school year and will allow Texas to meet the federal program approval requirements within the Strengthening CTE for the 21st Century Act (Perkins V).

CTE 101

Programs of study (POS) went into effect for the 2020-2021 school year and will allow Texas to meet the federal program approval requirements within the Strengthening CTE for the 21st Century Act (Perkins V).

Completers- Now being recognized in A-F accountability and Domain 1 CCMR (College, Career, and Military Readiness) indicator. Defined as completing 3 or more courses for 4 or more credits within the same program of study included one TEA defined advanced Level 3 or level 4 course within the same TEA defined Program of Study.

Course sequences within approved programs of study align with occupations that meet labor market criteria, projected job growth and annual job openings.

CTE aligns programs of study to endorsements and lead to postsecondary education and training opportunities through certifications offered in program completion.

MISD CTE Currently offers 16 Complete Programs of Studies to our students

What are CTE completers?

Career &Technical Education

Not CTE	**Code 4**: A student who never enrolled or who did not complete any high-school CTE course as defined by 19 TAC Chapter 126 (C), 127 (B) or 130.
CTE Participants	**Code 5**: A student completing one, but not two or more high-school CTE courses as defined by 19 TAC Chapter 126 (C), 127 (B) or 130, for two or more credits (the student does not have to pass or receive credit).
CTE Explorers	**Code E**: A student completing and passing two or more high-school CTE courses as defined by 19 TAC Chapter 126 (C), 127 (B) or 130, for at least 2 credits, not within the same program of study, and not a participant, concentrator or completer.
CTE Concentrators	**Code 6**: A student completing and passing two or more high-school CTE courses as defined by 19 TAC Chapter 126 (C), 127 (B) or 130, for at least 2 credits within the same program of study and not a Completer.
CTE Completers	**Code 7**: A student completing and passing three or more high-school CTE courses as defined by 19 TAC Chapter 126 (C), 127 (B) or 130, for 4 or more credits within a program of study, including one level 3 or level 4 course from within the same program of study.

2020-2021 District Completers

Career &Technical Education

Texas Education Agency
PDM3-404-003
v21.3.1

TSDS PEIMS STUDENT COUNTS BY CAREER AND TECHNICAL INDICATOR CODE AND GRADE

Campus-level Data

Campuses: 002, 004, 042, 043

2020 - 2021 Summer Collection, Resubmission

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LEA: 170903 - MONTGOMERY ISD

Campus: 170903002 - MONTGOMERY H S

CTE Indicator Code	Grade 06	07	08	09	10	11	12	Total	%
7 CTE Program Completer	0	0	0	0	0	37	119	156	9.2
6 CTE Program Concentrator	0	0	0	26	298	282	308	914	53.7
E CTE Program Explorer	0	0	0	151	84	69	66	370	21.7
5 CTE Program Participant	0	0	0	206	29	18	9	262	15.4
Total	0	0	0	383	411	406	502	1,702	100.0
Percent	0.0	0.0	0.0	22.5	24.1	23.9	29.5	100.0	

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Tuesday 08/17/2021 8:20 PM
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LEA: 170903 - MONTGOMERY ISD

Campus: 170903004 - LAKE CREEK H S

CTE Indicator Code	Grade 06	07	08	09	10	11	12	Total	%
7 CTE Program Completer	0	0	0	0	0	71	124	195	11.7
6 CTE Program Concentrator	0	0	0	8	268	303	278	857	51.2
E CTE Program Explorer	0	0	0	122	107	57	45	331	19.8
5 CTE Program Participant	0	0	0	243	25	14	8	290	17.3
Total	0	0	0	373	400	445	455	1,673	100.0
Percent	0.0	0.0	0.0	22.3	23.9	26.6	27.2	100.0	

Example of How They Relate:

Career &Technical Education

Endorsement

Public Service Endorsement

Career Cluster

Education and Training

The Education and Training Career Cluster® focuses on planning, managing, and providing education and training services and related learning support services. All parts of courses are designed to introduce learners to the various careers available within the Education and Training career cluster.

Program of Study

Teaching and Training

Course #	Course Name	Credit(s)
17260	Principles of Education and Training	1
17261	Human Growth and Development	1
17262	Instructional Practices in Education	2
17263	Practicum in Education and Training	2
17021	Career Preparation	3

Courses Offered

CTE Department Overview

Career &Technical Education

Montgomery ISD offers a wide variety of Career and Technical Education courses. Career and technical education programs offer a sequence of courses that provides students with coherent and rigorous content. CTE content is aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in current or emerging professions.

CTE Career Clusters Offered

MISD Career &Technical Education

- Agriculture, Food & Natural Resources
- Architecture & Construction
- Arts, A/V Technology & Communications
- Business, Marketing, & Finance
- Education & Training
- Health Science
- Hospitality & Tourism
- Human Services
- Manufacturing
- Science, Technology, Engineering & Mathematics
- Law & Public Service

CTE Programs of Study Offered

MISD Career &Technical Education

Agriculture, Food & Natural Resources

- Applied Agricultural Machinery
- Animal Science
- Plant Science

Architecture & Construction

- Architectural Design

Arts, A/V Technology & Communications

- Digital Communications
- Design and Multimedia Arts

Business, Marketing, & Finance

- Accounting & Financial Services
- Business Management
- Marketing and Sales

Education & Training

- Teaching and Training

CTE Programs of Study Offered

MISD Career &Technical Education

Health Science

- Healthcare Therapeutic

Hospitality & Tourism

- Culinary Arts

Human Services

- Cosmetology

Manufacturing

- Advanced Manufacturing and Machinery Mechanics

Science, Technology, Engineering & Mathematics

- Engineering

Law & Public Service

- Law Enforcement

District Goal 1: Academic Achievement

Career &Technical Education

Department Goal 1:MISD CTE will increase the number of students who are college, career or military ready (CCMR) as measured by Domain 1 on the A-F Accountability System through IBC's and program of study completers.

Strategy: Increase number of industry-based certifications by aligning more current and future courses with IBC's and more ways to increase CTE program of study completers during course catalogue meetings in fall.

Timeline: End of October 2021

Strategy: Purchasing certifications and software for courses that align with certifications to be completed by end of school year as well as providing applicable required teacher training.

Timeline: completed by May 2022

C.14. Certifications

Consider adding “certifications page” to the course catalog and web site. Distinction should be made for approved Industry-Based Certifications under Public School Accountability, A-F in the student achievement domain. TEA vetted and approved a list of 244 certifications for A-F accountability. Denoting state approved certifications will serve as an important communication point for district staff, parents and students. It’s importance should be emphasized as heavily as EOC testing.

Certifications students earn under each program of study should be listed in the course catalog along with the sequence of courses. Consider identifying which certifications are local and which certifications are on the TEA approved list for A-F accountability.

According to the 2021 College, Career, and Military Readiness report, 5.0% of graduates earned an industry-based certification from the approved list. The state average was approximately 13.2 percent. In order to continue growth in this domain, the district should continue funding the cost of students earning industry-based certification from the approved list. https://tea.texas.gov/sites/default/files/2019-2020%20Industry-based%20Certification%20List%20for%20Public%20School%20Accountability_2020.pdf

	Annual Graduates	
	Count Credit	Percent
Texas Success Initiative (TSI) Criteria		
Met TSI criteria in both ELA/Reading and Mathematics	312	50%
TSI Criteria - ELA/Reading		
Met TSI criteria for at least one indicator in ELA/Reading	406	65%
Met TSI assessment criteria	234	37%
Met ACT criteria	135	22%
Met SAT criteria	341	54%
Earned credit for a college prep course	0	0%
TSI Criteria - Mathematics		
Met TSI criteria for at least one indicator in Mathematics	328	52%
Met TSI assessment criteria	169	27%
Met ACT criteria	129	21%
Met SAT criteria	242	39%
Earned credit for a college prep course	25	4%
AP/IB Examination		
Met criterion score on an AP/IB exam in any subject	111	18%
Dual Course Credits		
Earned credit for at least 3 hours in ELA or Mathematics or 9 hours in any subject	164	26%
Industry-Based Certifications		
Earned an industry-based certification from approved list	32	5%
Level I or Level II Certificate		
Earned a level I or level II certificate in any workforce education area	1	0%
Associate Degree		
Earned an associate degree while in high school	0	0%

Career &Technical Education

Outside Program Evaluation Report on Industry Based Certifications at MISD

A certification is a validation that an individual possesses certain skills, usually related to an occupation and measured against a set of accepted standards. An individual earns a certification by successfully passing a test or battery of tests. Earning an IBC is one of the multiple ways students can prove they are College, Career, and Military Ready for A-F accountability.

Current Certifications Offered

items in **red are being added this year*

MISD Career &Technical Education

Culinary Arts

- ServSafe- Restaurant Manager

A/V Technology

- Adobe Premier Pro
- Adobe Photoshop

Health Sciences

- CCMA- Certified Clinical Medical Assistant
- Pharmacy Tech
- Patient Care Tech

Education and Training

- Educational Aide Certification

Agriculture, Food and Natural Resources

- Veterinarian Assistant
- Floral Design Level 1
- American Welding Society- D1.1 and D9.1

Business, Marketing, Finance

- Microsoft Office Specialist- Word and Excel
- Entrepreneur and Small Business Certification

STEM

- MTA- Intro to Python
- Comp TIA+

District Goal 1: Academic Achievement

Career &Technical Education

Department Goal 2: MISD CTE will identify current Career and Technical Education course pathways; consult with community and business leaders to determine workforce needs; assess resources and facilities; and survey students to determine interest

Strategy: Develop a local CTE Advisory Board Committee that meets at least twice a year to evaluate current programs and align with current industry standards and needs in the local area. These contacts and partnerships will help guide the future internship placement of students in practicum courses.

Timeline: First meeting to be held in February 2022

District Goal 1: Academic Achievement

MISD Career &Technical Education

Department Goal 3: MISD CTE will evaluate current enrollment and implement plan to increase enrollment over the next 5 years.

Strategy: Evaluate current course offerings by surveying students with level of continued interests in current courses as well as possible future course offerings.

Timeline: September 2022

Strategy: Increase CTSO (career and technical student organizations) offerings to students for all CTE pathways to encourage participation and recruitment.

Timeline: May 2023

Strategy: Increase high school credit CTE course offerings at the junior high level which align with the current pathways offered.

Timeline: 2022-2023 School Year

Current CTE Un-Duplicated Student Enrollment at 78%

5-year goal of 90%

MISD CTE Program Enrollment

	MHS	LCHS
Health Science	538	422
Agriculture	706	475
Culinary Arts	269	338
Robotics/Engineering	238	200
Business, Marketing & Finance	357	690
Audio/Video	93	49
Education & Training	88	80
Criminal Justice	128	111
Forensic Science	116	143
Computer Science	53	77
Interior Design	33	58
Fashion Design	26	57

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Formula:
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Example:
100 studen
(.167x100

Example:
100 studen
(.167x100

Level 1	Principles of Agriculture, Food, and Natural Resources
Level 2	Small Animal Management Equine Science
Level 3	Livestock Production/Lab
Level 4	Advanced Animal Science Veterinary Medical Applications/Lab Practicum in Agriculture, Food, and Natural Resources Project-Based Research Scientific Research and Design

District Goal 3: Finance & Operations

Department Goal 1: MISD CTE will allocate a budget to all campuses and departments.

Strategy: Allocate budget based upon needs of the program as well as student enrollment and teacher needs and input as requested.

Timeline: July 2021- August 2021 (completed)

Strategy: Re-visit current year expenditures to make necessary adjustments and implement April 1st deadline purchase requisitions to be submitted.

Timeline: June 2022

Strategy: Eliminate any student course fees or student certification fees associated with CTE courses and cover all other associated student costs with CTE weighted funding.

Timeline: ***Beginning this year and reflective in New Course Catalogue 2022-2023***

District Goal 3: Finance & Operations

Department Goal 2: MISD will create a CTE Visioning committee of teachers and community members to assess current and future needs of our programs, and identify any barriers that may be preventing growth.

Strategy: Analyze and evaluate meeting discussions to make recommendations for current and future improvements including recommendations for a potential bond.

Timeline: Completed September 14th, 2021

Summary of Meeting:

---Space is limited for programs to grow

---Specialized learning labs/facilities and spaces need to be expanded

---More technology needed

District Goal 3: Finance & Operations

Department Goal 3: MISD CTE will engage a third-party to conduct a program evaluation and make recommendations for improvements.

Strategy: Analyze and evaluate results or report to make recommendations for current and future improvements.

Timeline: Completed October 2021

CTE Program Evaluation Highlights

MISD Career &Technical Education

- Evaluation indicated very accurate PEIMS reporting.
- Finance Report/Budget was allocated properly as required by state with 55% of CTE funds going directly to support student instruction.
- *Recommendation*: Increase CTE Industry Based Certifications completed by students.
- *Recommendation*: Increase CTSO's (Career and Technical Student Organizations) offered to students and aligned with the programs.
- *Recommendation*: Remove barriers involving requirements of students enrolling in CTE courses: ex- Course Fees, Applications, Admissions Committee Approval
- CTE enrollment growth over last 5 years only 1.7%
  - *District enrollment over same period was higher.*

District Goal 4: Human Capital

Career &Technical Education

Department Goal 1: MISD CTE will create and implement professional development opportunities that aligns with the specific needs of CTE staff and responds to the various academic needs of students.

Strategy: MISD will provide CTE training to staff as well as support and encourage many opportunities throughout the year for staff to receive specialized training and professional development in their content area through Region 6 ESC and other statewide professional conferences.

Timeline: June 2022

District Goal 5: Communication & Customer Service

Career &Technical Education

Department Goal 1: MISD CTE will communicate with parents and students about current programs offerings and highlight achievements throughout the year.

Strategy: MISD CTE will create social media pages that are shared with the district pages, which highlight programs and activities they offer throughout the year.

Timeline: ***completed August 2021***

Strategy: MISD CTE will create an informative and interactive website, within the district site, that highlights the program offerings and certifications aligned that are offered.

Timeline: January 2022

What's Next in CTE?

- Increase student enrollment in CTE Courses
- Evaluate current program offerings to determine which align with our district goals, to eliminate or add appropriately.
- Evaluate future growth and how that fits into potential bond possibilities with updating CTE facilities.
- Implement more Career and Technical Student Organizations
- Add more CTE student certifications
- District wide CTE curriculum alignment
- Parent, student, and staff education on CTE program of studies and completers required by state.

Questions