

Regular Meeting

Monday, November 14, 2022 5:30 PM

L.F. Raynes Education, 400 West Lewis St., Crandall, TX 75114

1. Call to Order and Declaration of Quorum

2. Closed Session

2.A. Personnel (Texas Government Code § 551.074)

2.A. Discuss hiring, resignations, terminations, and reassignments.

3. Open Session

4. Invocation, Presentation of Colors, Pledge of Allegiance and Welcome Visitors

5. Public Participation

6. Board Recognition

6.A. Community Partnership (Trinity Bank)

Presenter: Nicole Tudor

7. Consent Items

7.A. Minutes from previous meeting

Presenter: Jennifer Johnson

7.B. National Incident Management System Resolution

Presenter: Keith Chapman

7.C. Flyleaf purchase for Reading Intervention

Presenter: Dr. Carri Eddy

7.D. Board Member Resignation

Presenter: Dr. Wendy Eldredge

7.E. TEA Instructional Facility Space Standards

Presenter: Corey Blackburn and Scott Stewart

7.F. RFP #2210-03 Food, General Items & Catering Services

Presenter: Mike White

7.G. Budget Amendment #3

Presenter: Mike White

8. Information Items

8.A. High School Addition Design Update

Presenter: Corey Blackburn

8.B. Construction Update

Presenter: Scott Stewart and Corey Blackburn

8.C. Special Education Update

Presenter: Dr. Lauren Chism

8.D. Social Emotional Learning Update

Presenter: Katrina Spottsville

8.E. New Course Requests

Presenter: Christy Starrett

8.F. Policy 118 Update

Presenter: Dr. Holly Keown

9. Action Items

9.A. District Improvement Plan

Presenter: Amanda
Roberts

9.B. Recruitment Efforts & Compensation Plan

Presenter: Dr. Holly
Keown

9.C. Purchasing Cooperatives & Rebates for FY 2022

Presenter: Mike White

10. **Financial Report**

11. **Adjournment**

Board Secretary



Crandall Independent School District Board of Trustees

Board Meeting Date:

November 14, 2022

Agenda Item:

Minutes from October Board Meetings

Agenda Section:

Consent

Administrator Responsible:

Jennifer Johnson

Summary/Background Information: Minutes recorded on Tuesday, October 18th Regular Board Meeting .

Administrative Recommendation: Administration recommends approval of minutes listed above.

Minutes of Regular Meeting The Board of Trustees Crandall ISD

A Regular Meeting of the Board of Trustees of Crandall ISD was held Tuesday, October 18, 2022, beginning at 5:30 PM in the Board Room, L.F. Raynes Education Center, 400 W. Lewis St., Crandall.

CALL TO ORDER AND DECLARATION OF QUORUM

Board Members Present: Rick Harrell, Jennifer Hiser, Dr. Sharon Long, Stacie Warren, Amy Barber (Mike Wood and Ryan Eskridge were not present.)

CLOSED SESSION TIME: 5:31 PM

Personnel (Texas Government Code Section 551.074)

OPEN SESSION: 7:10 PM

Invocation, Presentation of Colors, Pledge of Allegiance and Welcome Visitors

Staff Members Present: Holly Keown, AJ Murry, Christy Starrett, Chris Moore, Scott Stewart, Corey Blackburn, Nicole Tudor, Jennifer Johnson

PUBLIC PARTICIPATION

Adam Holden from the City of Crandall appeared to talk about the partnership between the city and the ISD. He first offered his condolences regarding Peyton Jones. He thanked the ISD for their cooperation and participation in the traffic program, which has been successful so far.

BOARD RECOGNITION

Principal Appreciation Month

Chris Moore introduced Principal Appreciation month and recognized each principal at CISD campuses.

Employee Recognition

Chief Taylor recognized officer Chase Dunlap for his life-saving act of going into a burning house and saving the resident.

Education Foundation Recognition

Nicole Tudor presented certificates of appreciation to all CISD campus liaison that will help spread the word about the Crandall Education Foundation.

CONSENT ITEMS

The following consent items were reviewed.

Consider approval of the minutes of previous meetings

Consider approval of the minutes of the September Regular Board meeting.

Budget Amendment #2

Administration recommends approval of the budget amendment submitted by Mike White.

Board Goals

Administration recommends approval of the Board Goals.

Board of Trustee Operating Procedures

Administration recommends approval of the updated Board of Trustee Operating Procedures.

UNT at Dallas Clinical Teaching MOU

Administration recommends the approval of the MOU submitted by Dr. Keown.

Motion was made by Jennifer Hiser and seconded by Stacie Warren to approve consent items as presented. Motion passed 5-0.

Monthly Financials were moved up to accommodate the presenter.

MONTHLY FINANCIALS

Presenter: Dianna Casper

Notes: Dianna Casper reviews the following:

- Statement of Revenues, Expenditures, and Changes in Fund Balance
- Tax Collection Report
- Monthly Investment Report

Both Action Items were moved up from the end to accommodate the audience.

ACTION ITEMS

Architectural Service Contract

Presenter: Corey Blackburn

Notes: Mr. Blackburn mentioned that the architectural service contract would be awarded to DLR and administration was asking for permission to enter into negotiations on a contract with DLR.

A motion was made by Amy Barber and seconded by Jennifer Hiser to enter negotiations with DLR. Motion passed 5-0.

Band Trip to Nashville

Presenter: John Nutt

Notes: Mr. Nutt presented the trip itinerary. Between 80-110 students would participate in this bus trip to Nashville. The board asked what would happen if a student could not afford to go. Mr. Nutt discussed the fundraising opportunities and potential scholarships.

A motion was made by Dr. Sharon Long and seconded by Jennifer Hiser to approve the CHS band trip to Nashville in May 2023. Motion passed 5-0.

INFORMATION ITEMS

Intruder Detection Audit Findings

Presenter: Keith Chapman

Notes: Mr. Chapman shared information about the Region 10 Field Agents that do the intruder detection audits. CISD has received 1 visit in September and 1 visit in October so far. Agents attempt to

enter exterior doors for unauthorized entry, check interior doors and see if anyone stops them on campus. Agents found 'no corrective actions' during their 2 separate audits meaning doors were found to be locked and agents were stopped by staff when found on the premises.

Athletic Security Update

Presenter: Keith Chapman

Notes: Mr. Chapman provided an update on how the previously discussed plan for security during football games has been going.

ESL/Bilingual Update

Presenter: Kristi Matlock

Notes: Currently CISD offers a Dual Language Education Program at two campuses - Martin and Noble-Reed. An ESL program is offered at all campuses in CISD. Over the past 7 years, CISD has added over 880 students to these programs.

Design & Construction Update

Presenter: Scott Stewart and Corey Blackburn

Notes: Mr. Stewart presented the monthly update on CISD Construction projects. Construction is going well. Mr. Blackburn showed pictures that Elementary #6 has foundation work underway. The slab will be poured soon. The multi-purpose room addition to The PIT is moving toward the slab being poured.

Enrollment Update

Presenter: Dr. Anjanette Murry

Notes: Dr. Murry introduced part of her enrollment team at the Student Services building and shared some positive feedback from the community. Enrollment, as of today, is 6,004. Snapshot day is coming up on October 28, 2022. This is the day a demographer used to predict enrollment.

All items originally listed below were moved to an early time in tonight's meeting. Notes are listed above.

Dr. Long makes a motion to adjourn.

ADJOURNMENT TIME: 8:39 PM

Approved as submitted on November 14, 2022.

Rick Harrell, President

Jennifer Hiser, Secretary



Crandall Independent School District Board of Trustees

Board Meeting Date:	November 14, 2022
Agenda Item:	National Incident Management System Resolution
Agenda Section:	Consent
Administrator Responsible:	Keith Chapman

Summary/Background Information: The National Incident Management System (NIMS) has been identified by the Federal Government as being the requisite emergency management system for all political subdivisions. NIMS training is required under a Homeland Security Presidential Directive to receive federal funding and reimbursement of costs for training and disaster recovery. Board adoption of the NIMS concept is required for such reimbursement.

Administrative Recommendation: Administration recommends approval of the resolution.



RESOLUTION OF THE BOARD OF TRUSTEES OF CRANDALL INDEPENDENT SCHOOL DISTRICT

WHEREAS, emergency response to critical incidents, whether natural or man-made, requires integrated professional management; and

WHEREAS, unified command of such incidents is recognized as the management model to maximize the public safety response; and

WHEREAS, the National Incident Management System (NIMS) has been identified by the Federal Government as being the requisite emergency management system for all political subdivisions; and

WHEREAS, NIMS training is required under Homeland Security Presidential Directive (HSPD-5) to receive federal funding, contracts, grants, training, and reimbursement of disaster recovery costs; and

WHEREAS, failure to adopt NIMS as the requisite emergency management system may preclude reimbursement to the political subdivision for costs expended during and after a declared emergency or disaster, for training and preparation for such disasters or emergencies, and for eligibility for federal grants;

NOW, THEREFORE, BE IT RESOLVED:

1. That the Board of Trustees of Crandall ISD and the Superintendent have approved the adoption of the NIMS concept of emergency planning and incident command, as well as the training of staff in the utilization of NIMS and the Incident Command System.

ADOPTED this fourteenth day of November, 2022, by the Crandall ISD Board of Trustees.

_____, Presiding Officer

_____, Secretary



Crandall Independent School District Board of Trustees

Board Meeting Date:

November 14, 2022

Agenda Item:

Flyleaf Decodable Materials Purchase with
Federal Funds

Agenda Section:

Consent

Administrator Responsible:

Dr. Carri Eddy

Summary/Background Information: Flyleaf's decodable books provide beginning and struggling readers with abundant opportunities to transfer their newly acquired phonics knowledge to meaningful, engaging, and complex narratives, informational texts, and poetry.

Administrative Recommendation: Administration recommends approval of the purchase.



Crandall Independent School District Board of Trustees

Board Meeting Date:	November 14, 2022
Agenda Item:	Board Member Resignation
Agenda Section:	Consent
Administrator Responsible:	Dr. Wendy Eldredge

Summary/Background Information: Mr. Mike Wood served in Place 2 of the Crandall ISD Board of Trustees since 2012. His term expires in 2024. Mr. Wood has submitted his resignation to Board President, Mr. Rick Harrell.

Administrative Recommendation: Administration recommends acceptance of Mr. Wood's resignation.



Crandall Independent School District

Board of Trustees

Board Meeting Date:	November 14, 2022
Agenda Item:	TEA Instructional Facility Space Standards
Agenda Section:	Consent
Administrator Responsible:	Corey Blackburn

Summary/Background Information: Board action must be taken to select a compliance method and flexibility level in accordance with TEA Instructional Facility Space Standards.

Administrative Recommendation: Administration recommends approval of Quantitative Compliance Method and Flexibility Level 2 for HS Addition and Future Projects until stated otherwise to satisfy the requirement of section §61.1040.(H)(2) as recommended by WRA.

FOR PROJECTS STARTING ON OR AFTER NOVEMBER 1, 2021:
(FOR PROJECTS STARTING BEFORE NOVEMBER 1, 2021 USE §61.1036)

PRIOR TO COMMENCEMENT OF DESIGN DEVELOPMENT, BOARD ACTION MUST BE TAKEN TO SELECT*:

COMPLIANCE METHOD (QUANTITATIVE OR QUALITATIVE) §61.1040.(h/i)

AND

FLEXIBILITY LEVEL (1-4) §61.1040.(h)(2)

OTHER IMPORTANT FACTORS:
MAX. INSTRUCTIONAL CAPACITY/MAX. STUDENT ENROLLMENT

*BOARD CAN TAKE ACTION TO SELECT COMPLIANCE METHOD AND FLEXIBILITY LEVEL FOR AN ENTIRE BOND PROGRAM
INSTEAD OF TAKING ACTION ON EACH INDIVIDUAL PROJECT.

MIN. AGGREGATE SQUARE FOOTAGE SPACES - QUANTITATIVE METHOD §61.1040.(h)

STANDARD CLASSROOMS (MATH, ENGLISH LANGUAGE ARTS, HISTORY/SOCIAL STUDIES)

COMBINATION SCIENCE CLASSROOM/LABS

SCIENCE CLASSROOMS, BUT NOT SEPARATE LABS

SPECIAL EDUCATION CLASSROOMS

COLLABORATION AREAS

ELECTIVE CLASSROOMS/LABS

- @ 50% IF USED 0-50% OF DAY
- @ 100% IF USED 51-100% OF DAY

MIN. AGGREGATE SQUARE FOOTAGE SPACES - QUALITATIVE METHOD §61.1040.(i)

ALL OF THE ABOVE

LIBRARY (USE ELECTIVE CLASSROOM RULES ABOVE)

CAFETERIA (USE ELECTIVE CLASSROOM RULES ABOVE)

*REQUIRES "PRIOR DOCUMENTED APPROVAL OF ONE OR MORE INSTRUCTIONAL OR OPERATIONAL PRACTICES FOR THE PROPOSED PROJECT THAT DISTRIBUTES OR MANAGES STUDENT CAPACITY IN AN INNOVATIVE OR NON-TRADITIONAL MANNER."

WHICH COMPLIANCE METHOD?

QUANTITATIVE METHOD

MAX. STUDENT ENROLLMENT **CAN'T** EXCEED
MAX. INSTRUCTIONAL CAPACITY

IDEAL FOR MORE TRADITIONAL
INSTRUCTIONAL DELIVERY

LOWER FLEXIBILITY AND MORE DEFINED USE
OF SPACES

QUALITATIVE METHOD

MAX. STUDENT ENROLLMENT **CAN** EXCEED
MAX. INSTRUCTIONAL CAPACITY

INNOVATIVE/NON-TRADITIONAL
INSTRUCTIONAL MODELS

HIGH FLEXIBILITY AND MULTI-USE SPACES

WHICH COMPLIANCE METHOD?

QUANTITATIVE METHOD

ONLY USES PRIMARY INSTRUCTIONAL AREAS
TO MEET MIN. AGGREGATE AREA

NO ADD'L REQUIREMENT OF PREVIOUS
DOCUMENTED APPROVAL BY BOARD

QUALITATIVE METHOD

USES PRIMARY INSTRUCTIONAL AREAS
PLUS LIBRARY AND CAFETERIA TO MEET
MIN. AGGREGATE AREA

REQUIRES "PRIOR DOCUMENTED APPROVAL OF ONE OR MORE
INSTRUCTIONAL OR OPERATIONAL PRACTICES FOR THE PROPOSED PROJECT THAT
DISTRIBUTES OR MANAGES STUDENT CAPACITY IN AN INNOVATIVE OR NON-
TRADITIONAL MANNER."

FLEXIBILITY LEVEL 1 (32 SF PP GRADES 9-12)	FLEXIBILITY LEVEL 2 (32 SF PP GRADES 9-12)	FLEXIBILITY LEVEL 3 (36 SF PP GRADES 9-12)	FLEXIBILITY LEVEL 4 (36 SF PP GRADES 9-12)
SINGLE, FIXED TEACHER PRESENTATION SPACE	SINGLE, FIXED TEACHER PRESENTATION SPACE	MULTIPLE STUDENT/TEACHER PRESENTATION SPACES	MULTIPLE STUDENT/TEACHER PRESENTATION SPACES
LIMITED ACCESS TO OUTDOOR SPACE	LIMITED ACCESS TO OUTDOOR SPACE, BUT VISIBLE FROM CLASSROOM	PROXIMAL OUTDOOR ACCESS THAT IS VISIBLE FROM CLASSROOMS	DIRECT OUTDOOR ACCESS THAT IS VISIBLE FROM CLASSROOMS
ATTACHED STUDENT DESK/CHAIR; INFREQUENT RE-ARRANGEMENT	ATTACHED STUDENT DESK/CHAIR; INFREQUENT RE-ARRANGEMENT	FLEXIBLE AND MOBILE FURNITURE THAT IS EASILY RE-ARRANGED	FLEXIBLE AND MOBILE FURNITURE THAT IS EASILY RE-ARRANGED
LIMITED CAPABILITY TO RECONFIGURE SPACES	LIMITED CAPABILITY TO RECONFIGURE SPACES	HIGH USE OF MULTIPURPOSE WALLS INCLUDING DIGITAL TOUCHSCREENS & OTHER FUNCTIONALITIES	MAXIMIZED INCLUSION OF MULTIPURPOSE WALLS, INCLUDING DIGITAL CAPABILITIES AND RECONFIGURATION
TEACHER-CENTRIC DIGITAL INSTRUCTION W/ MODERATE DEVICE ACCESS	TEACHER-CENTRIC DIGITAL INSTRUCTION W/ MODERATE DEVICE ACCESS	LEARNER-CENTRIC DIGITAL INSTRUCTION W/ HIGH ACCESS TO MOBILE DEVICES	LEARNER-CENTRIC DIGITAL INSTRUCTION W/ HIGH ACCESS TO MOBILE DEVICES INCORPORATING “ANYTIME/ ANYWHERE” PHILOSOPHY

BOARD ACTION REQUIRED

BOARD ACTION MUST BE TAKEN TO SELECT COMPLIANCE METHOD AND FLEXIBILITY LEVEL:

WRA RECOMMENDS CRANDALL ISD APPROVE QUANTITATIVE COMPLIANCE METHOD FOR CRANDALL HIGH SCHOOL CLASSROOM ADDITION AND FUTURE PROJECTS TILL STATED OTHERWISE TO SATISFY REQUIREMENT OF SECTION §61.1040.(H)

AND

WRA RECOMMENDS CRANDALL ISD APPROVE FLEXIBILITY LEVEL 2 (L2) FOR CRANDALL HIGH SCHOOL CLASSROOM ADDITION AND FUTURE PROJECTS TILL STATED OTHERWISE TO SATISFY REQUIREMENT OF SECTION §61.1040.(H)(2)

Reasoning:

Quantitative Compliance Method aligns more closely with function and use of existing campus.

Flexibility Level 2 (L2): Single, fixed teacher presentation space; compact organization of spaces makes access to outdoor space limited and challenging, but outdoor spaces may be visible from classrooms; furniture includes detached student desk/chair with an expectation of very infrequent rearrangement; moderate multipurpose functionality for walls with no capability of reconfiguration; teacher-centric digital instruction with moderate access to mobile devices.



Crandall Independent School District Board of Trustees

Board Meeting Date: November 14, 2022

Agenda Item: RFP #2210-3 Food, General Grocery Items & Catering Services

Agenda Section: Consent

Administrator Responsible: Mike White

Summary/Background Information: RFP #2210-03 Food, General Grocery Items & Catering Services was issued on September 29, 2022. Fifty-six (56) vendors were notified of this proposal. Responses were received from fourteen (14) vendors on October 31, 2022. This proposal establishes an approved list of vendors to be used to purchase various commodities from local restaurant and grocery vendors. This proposal is EDGAR compliant for purchases using a federal funding source. All purchases will be made on an “as needed” basis.

Administrative Recommendation: Administration seeks board approval.

Crandall Independent School District
RFP #2210-03 Food, General Grocery Items Catering Services Vendor Tabulation
November 14, 2022

Vendor
4-T's Bar-BQ, Inc
Chick-fil-A Forney (Forney FSU)
Raising Cane's Chicken Fingers
Tolleson Enterprises, Inc. DBA...CiCi's Pizza
Fired Up Bbq
Hot Rodz Diner (Hot Rodz Diner LLC)
Little Mexico
Momma P's Cookie Co.
Rusted Rail Golf Club
Babe's Chicken Dinner House (Rovin Inc)
Chick-fil-A Terrell (Johnson Leadership Consulting)
Complete Supply
Thornhill Catering
Cowboy Chicken (Cowboy Chicken Overton LP)



Crandall Independent School District Board of Trustees

Board Meeting Date:	November 14, 2022
Agenda Item:	Budget Amendment #3
Agenda Section:	Consent
Administrator Responsible:	Mike White, Chief Financial Officer

Summary/Background Information: This amendment is for a donation, Freshman Center expenses, and Ag expenses.

Administrative Recommendations: Administration recommends approval of Budget Amendment #3.

**CRANDALL INDEPENDENT SCHOOL DISTRICT
BUDGET AMENDMENT #3
GENERAL FUND
2022**

		Balance	<u>Proposed Amendments</u>	<u>Balance</u>	
Revenue:					
5700	Local & Intermediate Sources	19,313,000.00	27,885	19,340,885	2
5800	State Program Revenue	37,580,000.00		37,580,000	
5900	Federal Program Revenue	275,000.00		275,000	
	Total Revenues	57,168,000.00	27,885	57,195,885	
Appropriations:					
11	Instruction	31,132,000	1,000	31,133,000	
12	Library & Media Services	898,000		898,000	
13	Curriculum & Staff Development	759,000	265	759,265	
21	Instructional Leadership	755,000		755,000	
23	School Leadership	3,953,000	(265)	3,952,735	1
31	Guidance, Counseling & Evaluations Serv	1,835,000		1,835,000	
32	Social Services	103,000		103,000	
33	Health Services	774,000		774,000	
34	Student Transportation	2,788,000		2,788,000	
36	Co-Curricular & Extra Curricular Activities	2,287,000	(1,000)	2,286,000	3
41	General Administration	2,912,000		2,912,000	
51	Maintenance & Operation	5,386,000		5,386,000	
52	Security & Monitoring Services	1,262,000		1,262,000	
53	Data Processing Services	1,993,000		1,993,000	
61	Community Services	24,000		24,000	
71	Debt Service	0		0	
81	Facilities Acquisition & Construction	37,000		37,000	
99	Other Intergovernmental Charges	270,000		270,000	
	Total Appropriations / Expenditures	57,168,000.00	0	57,168,000	
Budgetary Fund Balance		0	27,885	27,885	

- 1 Freshman Center Teacher Travel
- 2 Kingsborough Ed Foundation Donation for CMS VR Lab
- 3 Ag welding expenses



Crandall Independent School District
Board of Trustees

Board Meeting Date: November 14, 2022

Agenda Item: High School Addition Design Update

Agenda Section: Information

Administrator Responsible: Corey Blackburn

Summary/Background Information: The progress of the design for the new High School Addition will be introduced by Corey Blackburn and presented by WRA.

Administrative Recommendation: For your information.



Crandall Independent School District
Board of Trustees

Board Meeting Date: November 14, 2022

Agenda Item: Construction Update

Agenda Section: Information

Administrator Responsible: Scott Stewart and Corey Blackburn

Summary/Background Information: Monthly project update on CISD construction projects.

Administrative Recommendation: For your information.

CRANDALL ISD

ELEMENTARY SCHOOL #6

CONSTRUCTION UPDATE

- UNDERGROUND UTILITY INSTALLATION IS NEARING COMPLETION.
- GRADE BEAM POURS ARE NEARING COMPLETION.
- FINAL SITE GRADE IS IN PROGRESS.
- ICF WALL FORM SETTING IS IN PROGRESS.
- BUILDING SLAB POUR IS SCHEDULED TO BEGIN SOON.



COST SUMMARY

Total Budget:	\$44,769,778
Total Completed & Stored To Date:	\$4,833,353
Percentage Complete:	11%



DIFFERENT FROM THE GROUND UP



CRANDALL ISD

MULTI-PURPOSE FACILITY ADDITION

CONSTRUCTION UPDATE

- SITE UTILITY INSTALLATION IS COMPLETE.
- MISCELLANEOUS CONCRETE POURS ARE COMPLETE.
- GRADE BEAM FORMS AND ANCHOR BOLT SETTINGS ARE COMPLETE.
- BUILDING AND BAND TOWER LIGHT INSTALLATIONS ARE IN PROGRESS.
- FINAL GRADE IS SCHEDULED TO BEGIN SOON.
- GRADE BEAM AND SLAB POURS ARE SCHEDULED TO BEGIN SOON.



COST SUMMARY

Total Budget:	\$5,361,744
Total Completed & Stored To Date:	\$863,337
Percentage Complete:	16%



DIFFERENT FROM THE GROUND UP





Crandall ISD Design & Construction

Monthly Update

Location: October School Board Meeting

Date: November 14, 2022

Time: 7:00 pm

HS Addition – Design Update

- Cafeteria Renovation Added
- Fire Alarm Replacement Added for Entire Campus
- 29 classrooms
- 640 student capacity

Multipurpose Addition – Construction Update

- Grade Beams poured 11/10
- Electrical for Band Lighting continues

Elementary #6 – Construction Update

- Storm sewer installation is complete
- Roofing materials on site
- Site electrical continues
- Area A
 - Grade Beams complete and backfilled
- Area B
 - Grade Beam backfilling underway
- Area C
 - Grade beam excavation and forming continue
- Area D
 - ICF wall forming continues
 - First wall pour scheduled for 11/14 weather permitting



Elementary #6

Construction
Update

October 18, 2022



Elementary #6

Construction Update
October 18, 2022



Multipurpose Addition

Construction
Update

October 18, 2022





Crandall Independent School District Board of Trustees

Board Meeting Date:	November 14, 2022
Agenda Item:	Special Education Report
Agenda Section:	Information
Administrator Responsible:	Dr. Laura Chism

Summary/Background Information: Crandall ISD special education and related services currently serves 890 students (15%) through specially designed instructional services developed to support students with disabilities within the general curriculum. The special education program report will provide an overview of the students who are currently served in Crandall ISD.

Administrative Recommendation: For your information.



Crandall Independent School District Board of Trustees

Board Meeting Date:

November 14, 2022

Agenda Item:

Social Emotional Learning Update

Agenda Section:

Information

Administrator Responsible:

Katrina Spottsville

Summary/Background Information: An update on the social emotional learning efforts and partnerships will be presented.

Administrative Recommendation: For your information.



Crandall Independent School District Board of Trustees

Board Meeting Date:

November 14, 2022

Agenda Item:

New Course Requests

Agenda Section:

Information

Administrator Responsible:

Christy Starrett

Summary/Background Information: CTE courses that are being proposed for approval for the 2023-2024 school year.

Administrative Recommendation: For your information.

CTE Programs of Study Guide



The following are the 14 Programs of Study in Crandall ISD.

Advanced Manufacturing and Machinery Mechanics (Robotics II)
Applied Agricultural Engineering
Animal Science
Architectural Design (Principles of Architecture)
Business Management (Virtual Business, Global Business, Human Resource Management)
Construction Management and Inspection (Building Maintenance I and II)
Cosmetology and Personal Care Services (Introduction to Cosmetology)
Culinary Arts
Digital Communications
Graphic Design and Multimedia Arts
Healthcare Diagnostics (Imaging II)
Information Technology Support and Services
Law Enforcement (Practicum Law Enforcement)
Teaching and Training

Courses in parenthesis within the Programs of Study are being proposed to the Board of Trustees for approval.

Attached to this document are the Program of Study guides produced by TEA and customized to fit the courses being offered within Crandall ISD.

Manufacturing Career Cluster

The Manufacturing Career Cluster focuses on planning, managing, and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance, and manufacturing/process engineering.

Advanced Manufacturing and Machinery Mechanics Statewide Program of Study



The Advanced Manufacturing and Machinery Mechanics program of study focuses on the assembly, operation, maintenance, and repair of electromechanical equipment or devices. CTE learners may work in a variety of mechanical fields, gaining knowledge and experience in robotics, refinery and pipeline systems, deep ocean exploration, or hazardous waste removal. CTE concentrators may work in a variety of fields of engineering.

Secondary Courses for High School Credit Recommended Course Sequence

Level 1

- Principles of Applied Engineering

Level 2

- Robotics I

Level 3

- Robotics II
- Engineering Design and Presentation I

Level 4

- Career Preparation I

Postsecondary Opportunities

Associates Degrees

- Electromechanical Engineering/Technology
- Certified Quality Technician
- Industrial Mechanics and Maintenance Technology

Bachelor's Degrees

- Electrical Engineering
- Industrial Engineering
- Mechanical Engineering

Master's, Doctoral, and Professional Degrees

- Electrical Engineering
- Industrial Engineering
- Mechanical Engineering

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
------------------------	--------------------------------

- Participate in SkillsUSA and local STEM events
- Work at a local business or industry apprenticeship
- Join the American Welding Society

Industry-Based Certifications

- C-101 Certified Industry 4.0 Associate - Basic Operations
- C-103 Certified Industry 4.0 Associate - Robot System Operations
- C-200 Certified Industry 4.0 Automation System Specialist I - 216 Robotic System Integration 1
- C-200 Certified Industry 4.0 Automation Systems Specialist I - 208 Programmable Controller Troubleshooting 1
- C-200 Certified Industry 4.0 Automation Systems Specialist I - 215 Robotic Operations 1
- Certified Manufacturing Associate
- CNC Lathe Operations
- CNC Lathe Set Up and Operations
- FANUC Robot Operator 1
- FESTO Certified Industry 4.0 Associate Fundamentals
- Industrial Technology Maintenance (ITM) - Process Control Systems
- Machining CNC Mill Operations Level I
- Machining CNC Mill Programming Setup and Operations Level I
- Machining CNC Milling Skills Level II
- Machining CNC Milling Skills Level II
- Industrial Technology Maintenance (ITM) - Electronic Control Systems*
- ISCET Certified Electronics Technicians*
- Mastercam Associate Certification Mill Design and Toolpaths*
- Mastercam Certified Professional Mill Level 1*
- Mastercam Professional Level Certification*
- OSHA 30 Hour General*

*IBC sunseting 8/31/24

Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Electro-Mechanical Assemblers	\$30,160	951	9%
Electro-Mechanical Technicians	\$56,555	127	9%
Industrial Machinery Mechanics	\$49,816	3,788	27%

Successful completion of the Advanced Manufacturing and Machinery Mechanics program of study will fulfill requirements of the Business and Industry or STEM endorsement if the math and science requirements are met.

Revised – August 2022

Advanced Manufacturing and Machinery Mechanics Course Information

Level 1

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Principles of Manufacturing	13032200 (1 credit)	None	None
Principles of Applied Engineering	13036200 (1 credit)	None	None

Level 2

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Occupational Safety and Environmental Technology I	N1303680 (1 credit)	None	None
Robotics I	13037000 (1 credit)	None	None
Manufacturing Engineering Technology I	13032900 (1 credit)	None	None
Programmable Logic Controller I	N1303689 (1 credit)	None	None

Level 3

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Engineering Design and Presentation I	13036500 (1 credit)	Algebra I	None
Manufacturing Engineering Technology II	13032950 (1 credit)	Manufacturing Engineering Technology I	None
Robotics II	13037050 (1 credit)	Robotics I	None
Occupational Safety and Environmental Technology II	N1303681 (1 credit)	OSET I	None
Programmable Logic Controller II	N1303690 (1 credit)	None	None

Level 4

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Practicum in Manufacturing	13033000 (2 credits) 13033005 (3 credits) 13033010 (2 credits) 13033015 (3 credits)	None	None
Practicum in Entrepreneurship	N1303425 (2 credits)	None	None
Career Preparation I	12701300 (2 credits) 12701305 (3 credits)	None	None

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<https://tea.texas.gov/cte>

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Agriculture, Food, and Natural Resources Career Cluster

The Agriculture, Food, and Natural Resources (AFNR) Career Cluster focuses on the essential elements of life food, water, land, and air. This career cluster includes a diverse spectrum of occupations, ranging from farmer, rancher, and veterinarian to geologist, land conservationist, and florist. It also includes non-traditional agricultural occupations like wind energy, solar energy, and oil and gas production.

Applied Agricultural Engineering Statewide Program of Study



The Applied Agricultural Engineering program of study explores the occupations and educational opportunities associated with applying knowledge of engineering technology and biological science to agricultural problems concerned with power and machinery, electrification, structures, soil and water conservation, and processing agricultural products. This program of study may also include exploration into diagnosing, repairing, or overhauling farm machinery and vehicles, such as tractors, harvesters, dairy equipment, and irrigation systems.

Secondary Courses for High School Credit Recommended Course Sequence

Level 1

- Principles of Agriculture, Food, and Natural Resources

Level 2

- Agricultural Mechanics and Metal Technologies/Lab

Level 3

- Agricultural Structures Design and Fabrications/Lab

Level 4

- Practicum in Agriculture, Food, and Natural Resources

Postsecondary Opportunities

Associates Degrees

- Heavy Equipment Maintenance Technology/ Technician
- Agricultural Mechanization, General
- Small Engine Mechanics and Repair Technology/ Technician
- Welding Technology/ Welder

Bachelor's Degrees

- Agricultural Engineering
- Agricultural Mechanization, General

Master's, Doctoral, and Professional Degrees

- Agricultural Engineering
- Agricultural Mechanization, General

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
<ul style="list-style-type: none"> Tour a farm products or machinery plant Participate in Texas FFA 	<ul style="list-style-type: none"> Earn a welding certification Intern at a farm products or machinery plant Participate in an FFA supervised agriculture experience

Industry-Based Certifications

- Agriculture Mechanics
- Agriculture Mechanics
- API 1104 Welding Pipelines and Related Facilities AWS Certified Welder
- AWS D1.1 Structural Steel
- AWS D9.1 Sheet Metal Welding
- AWS SENSE Level 1: Entry Welder
- Feedyard Technician in Machinery Operation, Repair and Maintenance
- Industrial Technology Maintenance (ITM) - Maintenance Welding
- Machining Measurement, Material, and Safety Level I
- NCCER Welding Level I
- General Welding - Job Ready

- OSHA General 30*

*IBC sunseting 8/31/24

Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Outdoor Power Equipment and Other Small Engine Mechanics	\$32,406	366	16%
Welders	\$41,350	6171	9%
Farm Equipment Mechanics and Service Technicians	\$39,915	304	17%
Mobile Heavy Equipment Mechanics	\$47,299	1627	16%
Agricultural Engineers	\$64,792	9	13%

Successful completion of the Applied Agricultural Engineering program of study will fulfill requirements of a Business and Industry endorsement or STEM endorsement if the math and science requirements are met. Revised – August 2022

Applied Agricultural Engineering Course Information

Level 1

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Principles of Agriculture, Food, and Natural Resources	13000200 (1 credit)	None	None

Level 2

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Agricultural Mechanics and Metal Technologies/Lab	13002200 (1 credit) 13002210 (2 credits)	None	None

Level 3

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Agricultural Structures Design and Fabrications/Lab	13002300 (1 credit) 13002310 (2 credits)	None	None
Agricultural Power Systems/Lab	13002400 (2 credits) 13002410 (3 credits)	None	None
Geographic Information Systems for Agriculture	N1300272 (1 credit)	None	None

Level 4

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Agricultural Equipment Design and Fabrication/Lab	13002350 (1 credit) 13002360 (2 credits)	None	None
Practicum in Agriculture, Food, and Natural Resources	13002500 (2 credits) 13002505 (3 credits) 13002510 (2 credits) 13002515 (3 credits)	None	None
Project-Based Research	12701500 (1 credit)	None	None
Scientific Research and Design	13037200 (1 credit)	Biology, Chemistry, Integrated Physics, and Chemistry (IPC), or Physics	

FOR ADDITIONAL INFORMATION ON THE AGRICULTURE, FOOD, AND NATURAL RESOURCE CAREER CLUSTER, PLEASE CONTACT: CTE@tea.texas.gov
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Animal Science Statewide Program of Study



The Animal Science program of study focuses on the science, research, and business of animals and other living organisms. It teaches CTE learners how to apply biology and life science to real-world life processes of animals and wildlife, either in laboratories or in the field, which could include a veterinary office, a farm or ranch, or any outdoor area harboring animal life. Students may also research and analyze the growth and destruction of species and research or diagnose diseases and injuries of animals.

Secondary Courses for High School Credit Recommended Course Sequence

Level 1

- Principles of Agriculture, Food, and Natural Resources

Level 2

- Small Animal Management
- Equine Science

Level 3

- Livestock Production/Lab

Level 4

- Veterinary Medical Applications/Lab
- Practicum in Agriculture, Food, and Natural Resource

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

- Participate in Texas FFA

Work-Based Learning Activities

- Compete in an Agri-Science Fair 4H
- Volunteer at a local farm or with a veterinarian
- Participate in an FFA supervised agriculture experience

Postsecondary Opportunities

Associates Degrees

- Food Science and Technology
- Veterinary Studies
- Biotechnology Laboratory Technician
- Biology Technician

Bachelor's Degrees

- Animal Sciences
- Agriculture
- Biology
- Zoology/ Animal Biology

Master's, Doctoral, and Professional Degrees

- Genetics
- Veterinary Medicine
- Biological and Physical Sciences
- Biological and Biomedical Sciences

Industry-Based Certifications

- Agricultural Biotechnology
- Certified Veterinary Assistant, Level 1
- Elanco Fundamentals of Animal Science Certification
- Elanco Veterinary Medical Applications Certification
- Equine Management & Evaluation Certification
- Feedyard Technician in Cattle Care and Handling
- Licensed Veterinary Technician
- Production Agriculture - Job Ready
- Small Animal Science and Technology



Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Animal Breeders	\$39,139	28	9%
Animal Scientists	\$57,533	22	12%
Medical Scientists	\$63,898	435	27%
Veterinarians	\$93,496	294	24%
Zoologists and Wildlife Biologists	\$67,309	45	32%

Successful completion of the Animal Science program of study will fulfill requirements of a Business and Industry endorsement or STEM endorsement if the math and science requirements are met. Revised – August 2022

Animal Science Course Information

Level 1

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Principles of Agriculture, Food, and Natural Resources	13000200 (1 credit)	None	None

Level 2

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Small Animal Management	13000400 (0.5 credit)	None	None
Equine Science	13000500 (0.5 credit)	None	None

Level 3

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Livestock Production/Lab	13000300 (1 credit) 13000310 (2 credits)	None	None

See next page for Level 4 courses

Animal Science Course Information

Level 4

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Advanced Animal Science	13000700 (1 credit)	Biology and Chemistry or Integrated Physics and Chemistry (IPC); Algebra I and Geometry; and either Small Animal Management, Equine Science, or Livestock Production	None
Veterinary Medical Applications/Lab	13000600 (1 credit) 13000610 (2 credits)	Equine Science, Small Animal Management, or Livestock Production	None
Practicum in Agriculture, Food, and Natural Resources	13002500 (2 credits) 13002505 (3 credits) 13002510 (2 credits) 13002515 (3 credits)	None	None
Project-Based Research	12701500 (1 credit)	None	None
Scientific Research and Design	13037200 (1 credit)	Biology, Chemistry, Integrated Physics, and Chemistry (IPC), or Physics	None

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Architecture and Construction Career Cluster

The Architecture and Construction Career Cluster focuses on designing, planning, managing, building, and maintaining the built environment. Principles of Architecture provides an overview to the various fields of architecture, interior design, and construction management.

Architectural Design Statewide Program of Study



The Architectural Design program of study explores the occupations and educational opportunities associated with developing, engineering, and designing building structures and facilities. This program of study may also include exploration into collecting and interpreting geographic information, researching and preparing maps, and interior design.

Secondary Courses for High School Credit Recommended Course Sequence

Level 1

- Principles of Architecture

Level 2

- Interior Design I

Level 3

- Interior Design II

Level 4

- Career Preparation I

Postsecondary Opportunities

Associates Degrees

- Architecture
- Interior Design
- Civil Engineering, General
- Geographic Information Science and Cartography

Bachelor's Degrees

- Architecture
- Interior Design
- Civil Engineering, General
- Geographic Information Science and Cartography

Master's, Doctoral, and Professional Degrees

- Architecture
- Interior Architecture
- Civil Engineering, General
- Geographic Information Science and Cartography

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

- Shadow an architect, interior designer or civil engineer
- Participate in SkillsUSA

Work-Based Learning Activities

- Intern at an architectural firm

Industry-Based Certifications

- Autodesk Associate (Certified User) 3ds MAX
- Autodesk Associate (Certified User) AutoCAD
- Autodesk Associate (Certified User) Fusion 360
- Autodesk Associate (Certified User) Revit Architecture
- Autodesk Associate (Certified User) Revit for Electrical
- Autodesk Associate (Certified User) Revit for Structural Design Autodesk Certified Professional Fusion 360
- Autodesk Certified Professional in AutoCAD for Design and Drafting
- Autodesk Certified Professional in Civil 3D for Infrastructure Design
- Autodesk Certified Professional in Revit for Architectural Design
- Autodesk Certified Professional in Revit for Electrical Design
- Autodesk Certified Professional in Revit for Structural Design
- LEED Green Associate

- Certified SOLIDWORKS Associate*
- Mastercam Associate Certification*

*IBC sunseting 8/31/24

Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Architects	\$77,043	808	16%
Geographic Information Analysts and Surveyors	\$58,926	162	27%
Architectural/ Civil Drafters	\$50,170	1,068	9%
Construction Managers	\$87,402	2,401	14%

Successful completion of the Architectural Design program of study will fulfill requirements of the Business and Industry endorsement or STEM endorsement if the math and science requirements are met. Revised – August 2022

Architectural Design Course Information

Level 1

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Principles of Architecture	13004210 (1 credit)	None	None

Level 2

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Architectural Design I	13004600 (1 credit)	Algebra I and English I	None
Interior Design I	13004300 (1 credit)	Algebra I and English I	None
Computer Aided Drafting for Architecture	N1300429 (1 credit)	None	None

Level 3

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Architectural Design II	13004700 (2 credits)	Architectural Design I or Advanced Interior Design and Geometry	None
Interior Design II	13004400 (2 credits)	English II, Geometry, and Interior Design I	None
Civil Engineering and Architecture (PLTW)	N1303747 (1 credit)	None	None

Level 4

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Practicum in Architectural Design	13004800 (2 credits) 13004805 (3 credits) 13004810 (2 credits) 13004815 (3 credits)	Architectural Design II	None
Career Preparation I	12701300 (2 credits) 12701305 (3 credits)	None	None

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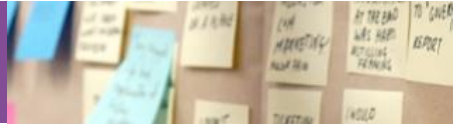
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Business, Marketing, and Finance Career Cluster

The Business, Marketing, and Finance Career Cluster focuses on careers in planning, organizing, directing, and evaluating business functions essential to efficient and productive business operations.

Business Management Statewide Program of Study



The Business Management program of study teaches CTE learners how to plan, direct, and coordinate the administrative services and operations of an organization. Through this program of study, students will learn the skills necessary to formulate policies, manage daily operations, and allocate the use of materials and human resources. This program of study will also introduce students to mathematical modeling tools and organizational evaluation methods.

Secondary Courses for High School Credit Recommended Course Sequence

Level 1

- Principles of Business, Marketing and Finance
- Business Information Management I/Lab

Level 2

- Virtual Business (0.5 credit)
- Business Information Management II/Lab

Level 3

- Business Management (1.0 credit)
- Global Business (0.5 credit)
- Human Resources Management (0.5 credit)

Level 4

- Practicum in Business Management

Postsecondary Opportunities

Associates Degrees

- Business Administration
- Business/Commerce
- Public Administration
- Business Management

Bachelor's Degrees

- Business Administration
- Business/Commerce
- Public Administration
- Management Science

Master's, Doctoral, and Professional Degrees

- Business Administration
- Business Management
- Public Administration
- Management Science

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

- Participate in Business Professional of America, Future Business Leaders of America, or DECA

Work-Based Learning Activities

- Intern with a local business or chamber of commerce

Industry-Based Certifications

- Administrative Assisting
- Certified Associate in Project Management (CAPM)
- Entrepreneurship and Small Business
- MB-920: Microsoft Dynamics 365 Fundamentals Finance and Operations Apps
- Microsoft Office Specialist 2016 Master
- Microsoft Office Specialist: Microsoft Access Expert (Access and Access 2019)
- Microsoft Office Specialist: Microsoft Excel Expert (Excel and Excel 2019)
- Microsoft Office Specialist: Microsoft Word Expert (Word and Word 2019)
- Project Management Institute (PMI) Project Management Ready

- Microsoft Office Specialist-Excel*
- Microsoft Office Specialist-Word*

*IBC sunsetting 8/31/24

Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Administrative Service Managers	\$96,138	2,277	21%
Management Analysts	\$87,651	4,706	32%
General and Operations Managers	\$107,640	18,679	20%
Supervisors of Administrative Support Works	\$57,616	14,982	20%

Successful completion of the Business Management program of study will fulfill requirements of the Business and Industry endorsement. Revised – August 2022

Business Management Course Information

Level 1

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Principles of Business, Marketing, and Finance	13011200 (1 credit)	None	None
Business Information Management I/Lab	13011400 (1 credit) 13011410 (2 credits)	None	None

Level 2

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Business Law	13011700 (1 credit)	None	None
Virtual Business	13012000 (.5 credit)	None	None
Business Information Management II/Lab	13011500 (1 credit) 13011510 (2 credits)	Business Information Management I	None

Level 3

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Business Management	13012100 (1 credit)	None	None
Global Business	13011800 (.5 credit)	None	None
Human Resources Management	13011900 (.5 credit)	None	None

Level 4

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Statistics and Business Decision Making	13016900 (1 credit)	Algebra II	None
Practicum in Business Management	13012200 (2 credits) 13012205 (3 credits) 13012210 (2 credits) 13012215 (3 credits)	None	None
Practicum in Entrepreneurship	N1303425 (2 credits)	None	None
Career Preparation I	12701300 (2 credits) 12701305 (3 credits)	None	None

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Architecture and Construction Career Cluster

The Architecture and Construction Career Cluster focuses on designing, planning, managing, building, and maintaining the built environment. Principles of Architecture provides an overview to the various fields of architecture, interior design, and construction management.

Construction Management and Inspection Statewide Program of Study



The Construction Management and Inspection program of study explores the occupations and educational opportunities associated with cost estimates for construction projects or services to aid management in bidding on or determining the price of products or services. This program of study may also include exploration into inspecting structures using engineering skills to determine structural soundness and compliance with specifications, building codes, and other regulations.

Secondary Courses for High School Credit Recommended Course Sequence

Level 1

- Principles of Construction

Level 2

- Building Maintenance Technology I

Level 3

- Building Maintenance Technology II

Level 4

- Practicum in Construction Management
- Career Preparation I

Postsecondary Opportunities

Associates Degrees

- Construction Engineering Technology/Technician
- Business Administration and Management, General
- Mechanical Engineering
- Business/ Commerce, General

Bachelor's Degrees

- Construction Engineering Technology/Technician
- Business Administration and Management, General
- Mechanical Engineering
- Business/ Commerce, General

Master's, Doctoral, and Professional Degrees

- Materials Engineering
- Business Administration and Management, General
- Mechanical Engineering
- Manufacturing Engineering

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
<ul style="list-style-type: none"> Shadow a building inspector or cost estimator Participate in SkillsUSA 	<ul style="list-style-type: none"> Intern with a construction company Shadow a project manager or inspector

Industry-Based Certifications

- Certified Associate in Project Management (CAPM)
- HBI Pre-Apprenticeship Certificate Training (PACT), Building Construction Technology
- HBI Pre-Apprenticeship Certificate Training (PACT), Core
- LEED Green Associate
- NCCER Construction Site Safety Technician
- NCCER Construction Technology Certification Level I
- NCCER Core
- NCCER Weatherization Technician Level I
- Residential Plans Examiner - R3
- OSHA 30 Hour Construction*
- OSHA 30 Hour General*

*IBC sunseting 8/31/24



Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Construction and Building Inspectors	\$53,914	983	17%
Cost Estimators	\$63,939	2,239	21%
Construction Managers	\$87,402	2,401	14%

Successful completion of the Construction Management and Inspection program of study will fulfill requirements of the Business and Industry endorsement. Revised – August 2022

Construction Management and Inspection Course Information

Level 1

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Principles of Construction	13004220 (1 credit)	None	None

Level 2

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Building Maintenance Technology I	13005400 (2 credits)	None	None
Construction Management I	13004900 (2 credits)	None	None

Level 3

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Building Maintenance Technology II	13005500 (2 credits)	Building Maintenance Technology	None
Construction Management II	13005000 (2 credits)	Construction Management I	None

Level 4

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Practicum in Construction Management	13006200 (2 credits) 13006205 (3 credits) 13006210 (2 credits) 13006215 (3 credits)	Construction Management II	None
Career Preparation I	12701300 (2 credits) 12701305 (3 credits)	None	None

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Human Services Career Cluster

The Human Services Career Cluster focuses on preparing individuals for employment in career pathways that relate to families and human needs such as counseling and mental health services, family and community services, personal care services, and consumer services.

Cosmetology and Personal Care Services Regional Program of Study



The Cosmetology and Personal Care Services regional program of study introduces CTE learners to knowledge and skills related to providing beauty and personal care services. CTE concentrators may learn about or practice managing personal care facilities and coordinating or supervising personal service workers.

Secondary Courses for High School Credit Recommended Course Sequence

Level 2

- Introduction to Cosmetology(1 Credit)

Level 3

- Cosmetology I/Lab (2 Credits)

Level 4

- Cosmetology II/Lab (3 Credits)

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

- Participate in TIVA or SkillsUSA

Work-Based Learning Activities

- Job shadow a cosmetologist
- Work part-time at a salon, spa, or barbershop

Postsecondary Opportunities

Certificate/License

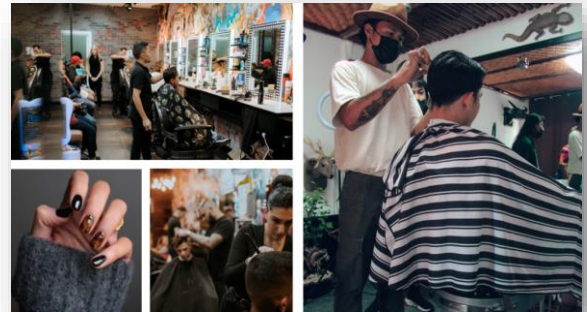
- Certified Aesthetic Laser Operator
- Cosmetologist
- Certified Spa Supervisor
- Nail Technician/Specialist and Manicurist

Associates Degrees

- Cosmetology/Cosmetologist, General
- Aesthetician/Esthetician and Skin Care Specialist
- Salon/Beauty Salon Management/Manager
- Cosmetology, Barber/Styling, and Nail Instructor

Industry-Based Certifications

- Cosmetology Operator License
- Cosmetology Esthetician Specialty License
- Cosmetology Manicurist Specialty License
- Barber Operating License



Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
First-Line Supervisors of Personal Service Workers	\$36,941	1,634	24%
Barbers	\$28,267	348	14%
Hairdressers, Hairstylists, and Cosmetologists	\$21,507	3,489	22%
Manicurists and Pedicurists	\$21,715	418	45%
Shampooers	\$18,720	139	24%
Skincare Specialists	\$26,437	637	22%

Successful completion of the Cosmetology and Personal Care Services regional program of study will fulfill requirements of the Public Service endorsement. Revised – August 2022

Cosmetology and Personal Care Services

Course Information

Level 1

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Principles of Cosmetology Design and Color Theory	13025050 (1 credit)	None	None
Microbiology and Safety for Cosmetology Careers	N1302540 (1 credit)	None	None

Level 2

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Introduction to Cosmetology	13025100 (1 credit)	None	None
Nail Care, Enhancements, and Spa Services	N1302531 (2 credits)	None	None
Esthetics	N1302533 (2 credits)	None	None

Level 3

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Cosmetology I/Lab	13025200 (2 credits) 13025210 (3 credits)	None	None
Barbering I	N1302534 (3 credits)	None	None

Level 4

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Cosmetology II/Lab	13025300 (2 credits) 13025310 (3 credits)	Cosmetology I	None
Barbering II	N1302535 (3 credits)	Barbering I	None

FOR ADDITIONAL INFORMATION ON THE HUMAN SERVICES CAREER CLUSTER,
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Hospitality and Tourism Career Cluster

The Hospitality and Tourism Career Cluster focuses on the management, marketing, and operations of restaurants and other food/beverage services, lodging, attractions, recreation events, and travel-related services. Students acquire knowledge and skills focusing on communication, time management, and customer service that meet industry standards. Students will explore the history of the hospitality and tourism industry and examine characteristics needed for success.

Culinary Arts Statewide Program of Study



The Culinary Arts program of study introduces CTE learners to occupations and educational opportunities related to the planning, directing, or coordinating activities of a food and beverage organization or department. This program of study also explores opportunities involved in directing and participating in the preparation and cooking of food.

Secondary Courses for High School Credit Recommended Course Sequence

Level 1

- Introduction to Culinary Arts-Course

Level 2

- Culinary Arts

Level 3

- Advanced Culinary Arts

Level 4

- Practicum in Culinary Arts
- Career Prep I

Postsecondary Opportunities

Associates Degrees

- Hotel and Restaurant Management
- Restaurant Culinary and Catering Management
- Hospitality Administration/ Management, General
- Culinary Arts/ Chef Training

Bachelor's Degrees

- Hotel and Restaurant Management
- Food Service Systems Administration/ Management
- Hospitality Administration/ Management, General
- Culinary Science and Food Service Management

Master's, Doctoral, and Professional Degrees

- Hotel and Restaurant Management
- Food Service Systems Administration/ Management
- Hospitality Administration/ Management, General
- Business Administration Management, General

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
------------------------	--------------------------------

- | | |
|---|---|
| <ul style="list-style-type: none"> • Participate in Family, Career, and Community Leaders of America, SkillsUSA, American Culinary Federation, or the Texas Restaurant Association | <ul style="list-style-type: none"> • Plan a catering event or work for a catering company • Participate in a cooking course • Work in a restaurant |
|---|---|

Industry-Based Certifications

- Certified Fundamentals Cook
- Certified Fundamentals Pastry Cook
- Certified Hospitality & Tourism Management Professional
- Commercial Foods
- Culinary Meat Selection & Cookery Certification
- Food Protection Manager Certification
- Food Safety & Science Certification
- ManageFirst Professional
- Pre-Professional Certification in Culinary Arts
- Pre-Professional Certification in Food Science Fundamentals
- ServSafe Manager



Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Food and Beverage Managers	\$55,619	1,561	28%
Chef and Head Cooks	\$43,285	1,366	25%
Food Science Technicians	\$34,382	236	11%

Successful completion of the Culinary Arts program of study will fulfill requirements of the Business and Industry endorsement. Revised – August 2022

Culinary Arts Course Information

Level 1

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Introduction to Culinary Arts	13022550 (1 credit)	None	None
Principles of Hospitality and Tourism	13022200 (1 credit)	None	None

Level 2

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Culinary Arts	N1302268 (1 credit)	None	None
Foundations of Restaurant Management	13022650 (2 credits)	None	None

Level 3

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Advanced Culinary Arts	13022650 (2 credits)	Culinary Arts	None

Level 4

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Food Science	13023000 (1 credit)	3 units of Science, including Chemistry and Biology	None
Practicum in Culinary Arts	13022700 (2 credits) 13022705 (3 credits) 13022710 (2 credits) 13022715 (3 credits)	Culinary Arts	None
Practicum in Entrepreneurship	N1303425 (2 credits)	None	None
Career Preparation I	12701300 (2 credits) 12701305 (3 credits)	None	None

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<https://tea.texas.gov/cte>

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Arts, Audio/Video Technology, and Communications Career Cluster

The Arts, A/V Technology and Communications (AAVTC) Career Cluster focuses on careers in designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services. Careers in the AAVTC career cluster require a creative aptitude, a strong background in computer and technology applications, a strong academic foundation, and a proficiency in oral and written communication.

Digital Communications Statewide Program of Study



The Digital Communications program of study explores the occupations and educational opportunities associated with the production of audio and visual media formats for various purposes, such as TV broadcasts, advertising, video production, or motion pictures. This program of study may also include exploration into operating machines and equipment to record sound and images, such as microphones, sound speakers, video screens, projectors, video monitors, sound and mixing boards, and related electronic equipment.

Secondary Courses for High School Credit Recommended Course Sequence

Level 1

- Principles of Arts, Audio/Video Technology, and Communications
- Professional Communications

Level 2

- Audio/Video Production I/Lab

Level 3

- Audio/Video Production II/Lab

Level 4

- Practicum of Audio/Video Production
- Career Preparation I

Postsecondary Opportunities

Associates Degrees

- Recording Arts Technology/Technician
- Cinematography and Film/Video Production
- Radio and Television Broadcasting Technology/Technician
- Music Technology

Bachelor's Degrees

- Recording Arts Technology/Technician
- Cinematography and Film/Video Production
- Radio and Television
- Agricultural Communication/Journalism

Master's, Doctoral, and Professional Degrees

- Communications Technology/Technician
- Cinematography and Film/Video Production
- Radio and Television
- Agricultural Communication/Journalism

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

- Shadow a production team
- Participate in SkillsUSA or TSA

Work-Based Learning Activities

- Intern at a local television station or video production company
- Work with a local company on a project

Industry-Based Certifications

- Adobe Certified Professional in Print and Digital Media Publication Using Adobe InDesign
- Adobe Certified Professional in Print and Digital Media Publication Using Adobe InDesign
- Adobe Certified Professional in Visual Design
- Adobe Certified Professional in Visual Design Using Adobe Photoshop
- Audio-Visual Communications - Job Ready
- Broadcasting and Journalism
- Digital Video Production Foundations



Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Sound Engineering Technicians	\$39,562	79	27%
Camera Operators, Television, Video, and Motion Picture	\$50,024	129	9%
Audio and Video Equipment Technicians	\$40,581	757	29%
Film and Video Editors	\$47,382	118	23%

Successful completion of the Digital Communications program of study will fulfill requirements of the Business and Industry endorsement. Revised – August 2022

Digital Communications Course Information

Level 1

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Principles of Arts, A/V Technology, and Communications	13008200 (1 credit)	None	None
Professional Communication	13009900 (.5 credit)	None	None
Web Communications	03580810 (.5 credit)	None	None
Digital Communications in the 21st Century	03580610 (1 credit)	None	None

Level 2

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Audio/Video Production I/Lab	13008500 (1 credit) 13008510 (2 credits)	None	None
Digital Audio Technology I	13009950 (1 credit)	None	None

Level 3

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES (CREQ)
Audio/Video Production II/Lab	13008600 (1 credit) 13008610 (2 credits)	Audio/Video Production I	None
Digital Audio Technology II	13009960 (1 credit)	Digital Audio Technology I	None

Level 4

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Practicum in Audio/Video Production	13008700 (2 credits) 13008705 (3 credits) 13008710 (2 credits) 13008715 (3 credits)	Audio/Video Production II/Lab	None
Practicum in Digital Audio Technology	N1300996 (2 credits)	Digital Audio Technology I & Digital Audio Technology II	None
Practicum in Entrepreneurship	N1303425 (2 credits)	None	None
Career Preparation I	12701300 (2 credits) 12701305 (3 credits)	None	None

FOR ADDITIONAL INFORMATION ON THE ARTS, AUDIO/VIDEO TECHNOLOGY, AND COMMUNICATIONS CAREER CLUSTER, PLEASE CONTACT: CTE@tea.texas.gov
<https://tea.texas.gov/cte>

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Graphic Design & Multimedia Arts Statewide Program of Study



The Graphic Design and Multimedia Arts program of study explores the occupations and educational opportunities associated with designing or creating graphics to meet specific commercial or promotional needs, such as packaging, displays, or logos. This program of study may also include exploration into designing clothing and accessories, and creating special effects, animation, or other visual images using film, video, computers, or other electronic tools and media, for use in computer games, movies, music videos, and commercials.

Secondary Courses for High School Credit Recommended Course Sequence

Level 1

- Principles of Arts, A/V Technology, and Communications

Level 2

- Graphic Design and Illustration I/Lab
- Commercial Photography I/Lab

Level 3

- Graphic Design and Illustration II/Lab
- Commercial Photography II/Lab

Level 4

- Practicum in Commercial Photography
- Career Preparation I

*course to be eliminated from this Program of Study: Digital Media

Postsecondary Opportunities

Associates Degrees

- Animation, Interactive Technology, Video Graphics and Special Effects
- Graphic Design
- Game and Interactive Media Design

Bachelor's Degrees

Animation, Interactive Technology, Video Graphics and Special Effects
Graphic Design
Game and Interactive Media Design

Master's, Doctoral, and Professional Degrees

Animation, Interactive Technology, Video Graphics and Special Effects
Graphic Design
Intermedia/Multimedia

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
------------------------	--------------------------------

- | | |
|--|---|
| <ul style="list-style-type: none"> Join a website development or coding club Participate in SkillsUSA or TSA | <ul style="list-style-type: none"> Intern with a multimedia or animation studio Obtain a certificate or certification in graphic design |
|--|---|

Industry-Based Certifications

- Adobe Certified Professional in Digital Video Using Adobe Premiere Pro
- Adobe Certified Professional in Graphic Design and Illustration Using Adobe Illustrator
- Adobe Certified Professional in Print and Digital Media Publication Using Adobe InDesign
- Adobe Certified Professional in Visual Design
- Adobe Certified Professional in Visual Design Using Adobe Photoshop
- Adobe Certified Professional In Visual Effects and Motion Graphics Using Adobe After Effects
- Audio-Visual Communications - Job Ready
- Autodesk Associate (Certified User) 3ds MAX
- Certified Professional Photographer
- Graphic Production Technology - Job Ready

- Adobe Certified Professional Animate*

*IBC Sunsetting 8/31/24

Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Graphic Designers	\$44,824	1,433	15%
Multimedia Artists and Animators	\$67,392	186	21%

Successful completion of the Graphic Design & Multimedia Arts program of study will fulfill requirements of the Business and Industry endorsement. Revised – August 2022

Graphic Design & Multimedia Arts

Course Information

Level 1

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Principles of Arts, A/V Technology, & Communications	13008200 (1 credit)	None	None
Video Game Design	13009970 (1 credit)	None	None
Digital Media	13027800 (1 credit)	None	None

Level 2

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Graphic Design and Illustration I /Lab	13008800 (1 credit) 13008810 (2 credits)	None	None
Animation I/Lab	13008300 (1 credit) 13008310 (2 credits)	None	None
Video Game Programming	N1300994 (1 credit)	None	None
Commercial Photography I/Lab	13009100 (1 credit) 13009110 (2 credits)	None	None
Fashion Design I/Lab	13009300 (1 credit) 13009310 (2 credits)	None	None
Digital Design and Media Production	03580400 (1 credit)	None	None
Game Programing and Design	03580380 (1 credit)	Algebra I	None

Level 3

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Graphic Design and Illustration II/Lab	13008900 (1 credit) 13008910 (2 credits)	Graphic Design and Illustration I	None
Animation II/Lab	13008400 (1 credit) 13008410 (2 credits)	Animation I	None
Advanced Video Game Programming	N1300995 (1 credit)	None	None
Fashion Design II/Lab	13009400 (1 credit) 13009410 (2 credits)	Fashion Design I	None
Digital Arts and Animation	03580500 (1 credit)	None	None
3-D Modeling and Animation	03580510 (1 credit)	None	None
Commercial Photography II/Lab	13009200 (1 credit) 13009210 (2 credits)	None	None
Web Game Development	03580830 (1 credit)	None	None

See next page for Level 4 courses

Graphic Design & Multimedia Arts

Course Information

Level 4

COURSE NAME	SERVICE ID	PREREQUISITES (PREQ)	COREQUISITES (CREQ)
Practicum in Graphic Design and Illustration	13009000 (2 credits) 13009005 (3 credits) 13009010 (2 credits) 13009015 (3 credits)	Graphic Design and Illustration II and Graphic Design and Illustration II Lab	None
Practicum in Animation	13008450 (2 credits) 13008455 (3 credits) 13008460 (2 credits) 13008465 (3 credits)	Animation II and Animation II Lab	None
Practicum in Commercial Photography	13009250 (2 credits) 13009255 (3 credits) 13009260 (2 credits) 13009265 (3 credits)	Commercial Photography I and Commercial Photography I Lab	None
Career Preparation I	12701300 (2 credits) 12701305 (3 credits)	None	None
Practicum in Entrepreneurship	N1303425 (2 credits)	None	None

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Health Science Career Cluster

The Health Science Career Cluster focuses on planning, managing, and providing therapeutic services, diagnostics services, health informatics, support services, and biotechnology research and development. To pursue a career in the health science industry, students should learn to reason, think critically, make decisions, solve problems, communicate effectively, and work well with others.

Healthcare Diagnostics Statewide Program of Study



The Healthcare Diagnostics program of study introduces students to occupations and education opportunities related to performing complex medical laboratory tests for the diagnosis, treatment, and prevention of disease. This program of study may also include exploration into the opportunities associated with blood laboratories as well as radiologic technology and ultrasound technology.

Secondary Courses for High School Credit Recommended Course Sequence

Level 1

- Principles of Health Science

Level 2

- Medical Terminology
- Imaging Technology I

Level 3

- Health Science Theory/Health Science Clinical
- Imaging Technology II

Level 4

- Anatomy and Physiology
- Practicum in Health Science

Postsecondary Opportunities

Associates Degrees

- Nuclear Medical Technology/Technologist
- Magnetic Resonance Imaging (MRI) Technology/Technician

Bachelor's Degrees

- Nuclear Medical Technology/Technologist
- Medical Radiologic Technology/Science Radiation Therapist

Master's, Doctoral, and Professional Degrees

- Radiologist
- Radiologic Technology/Science Radiographer

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities	Work-Based Learning Activities
<ul style="list-style-type: none"> Participate in Health Occupation Students of America 	<ul style="list-style-type: none"> Perform clinical rotations at a community wellness center, hospital, assisted living, nursing home

Industry-Based Certifications

- Certified Cardiographic Technician
- Certified Clinical Medical Assistant
- Certified EKG Technician
- ECG Technician
- Limited Medical Radiologic Technologist
- Medical Assistant
- Medical Laboratory Assistant
- Medical Laboratory Technician
- Nationally Registered Certified EKG Technician
- Phlebotomy Technician
- Registered Diagnostic Medical Sonographer - Abdomen*
- Registered Diagnostic Medical Sonographer - Obstetrics and Gynecology*
- Registered Technologist - Cardiac-Interventional Radiography*
- Registered Technologist - Computed Tomography*
- Registered Technologist - Magnetic Resonance Imaging*
- Registered Technologist - Mammography*
- Registered Technologist - Nuclear Medicine Technology*
- Registered Technologist - Radiography*
- Registered Technologist - Sonography*
- Registered Technologist - Vascular Sonography*
- Registered Technologist - Vascular-Interventional Radiography*
- Registered Vascular Technology*

*IBC sunseting 8/31/24

Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Diagnostic Medical Sonographers	\$69,909	495	35%
Phlebotomist	\$30,597	1,442	36%
Nuclear Medicine Technologists	\$75,962	91	13%
Radiologic Technologists	\$55,494	1,196	21%
Magnetic Resonance Imaging Technologists	\$68,661	217	21%

Successful completion of the Healthcare Diagnostics program of study will fulfill requirements of the Public Service or STEM endorsement if the math and science requirements are met. Revised – August 2022

Healthcare Diagnostics Course Information

Level 1

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Principles of Health Science	13020200 (1 credit)	None	None
Principles of Diagnostic Healthcare	N1302106 (1 credit)	None	None
Introduction to Imaging Technology	N1302102 (1 credit)	None	None

Level 2

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Medical Terminology	13020300 (1 credit)	None	None
Imaging Technology I	N1302123 (1 credit)	None	None

Level 3

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Health Science Theory/Health Science Clinical	13020400 (1 credit) 13020410 (2 credits)	Biology	None
Medical Microbiology	13020700 (1 credit)	Biology and Chemistry	None
Imaging Technology II	N1302131 (1 credit)	Imaging Technology I	None

Level 4

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Anatomy and Physiology	13020600 (1 credit)	Biology and a second science credit	None
Pathophysiology	13020800 (1 credit)	Biology and Chemistry	None
Practicum in Health Science	13020500 (2 credits) 13020505 (3 credits) 13020510 (2 credits) 13020515 (3 credits)	Health Science Theory and Biology	None

FOR ADDITIONAL INFORMATION ON THE HEALTH SCIENCE CAREER CLUSTER,
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Information Technology Career Cluster

The Information Technology (IT) Career Cluster focuses on building linkages in IT occupations for entry level, technical, and professional careers related to the design, development, support, and management of hardware, software, multimedia, and systems integration services.

Information Technology Support and Services Statewide Program of Study



The Information Technology Support and Services program of study explores the occupations and educational opportunities associated with administering, testing, and implementing computer databases and applying knowledge of database management systems. This program of study may also include analyzing user requirements and problems to automate or improve existing systems and review computer system capabilities. This program of study may also include exploration into the research, design, or testing of computer or computer-related equipment for commercial, industrial, military, or scientific use.

Secondary Courses for High School Credit Recommended Course Sequence

Level 1

- Principles of Information Technology

Level 2

- Computer Maintenance/Lab

Level 3

- Computer Technician Practicum

Level 4

- Computer Technician Practicum (2nd Time)

Postsecondary Opportunities

Associates Degrees

- Computer and Information Sciences, General
- Computer and Information Systems Security/ Information Assurance
- Information Technology
- Computer Systems Networking and Telecommunications

Bachelor's Degrees

- Computer and Information Sciences, General
- Computer and Information Systems Security/Information Assurance
- Computer Engineering, General
- Computer Systems Networking and Telecommunications

Master's, Doctoral, and Professional Degrees

- Computer and Information Sciences, General
- Computer Systems Analysis/ Analyst
- Computer Engineering, General
- Information Technology

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

- Join TSA
- Job shadow a database administrator or computer hardware engineer

Work-Based Learning Activities

- Earn an IT certification

Industry-Based Certifications

- Business Information Processing
- Cloud Essentials+
- CompTIA A+ Certification
- CompTIA IT Fundamentals+
- Computer Repair Technology - Job Ready
- Google IT Support Professional Certificate



Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Database Administrator	\$83,075	1,063	19%
Computer Hardware Engineer	\$111,738	343	24%
Computer System Analyst and Support	\$87,568	5,937	29%

Successful completion of the Information Technology Support and Services program of study will fulfill requirements of the Business and Industry endorsement or STEM endorsement if the math and science requirements are met.

Revised – August 2022

Information Technology Support and Services

Course Information

Level 1

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Principles of Information Technology	13027200 (1 credit)	None	None
Geographic Information Systems	N1302805 (1 credit)	None	None

Level 2

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Computer Maintenance/Lab	13027300 (1 credit) 13027310 (2 credits)	Principles of Information Technology	None
Raster Based GIS	N1302806 (1 credit)	None	None

Level 3

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Computer Technician Practicum	13027500 (2 credits) 13027505 (3 credits)	None	None
Spatial Technology and Remote Sensing	N1302807 (1 credit)	None	None
IT Troubleshooting	N1302815 (1 credit)	None	None

Level 4

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Computer Technician Practicum (2nd Time)	13027510 (2 credits) 13027515 (3 credits)	Computer Technician Practicum	None
Practicum in Information Technology	13028000 (2 credits) 13028005 (3 credits) 13028010 (2 credits) 13028015 (3 credits)	A minimum of two high school Information Technology (IT) courses	None
Practicum in Entrepreneurship	N1303425 (2 credits)	None	None
Independent Study in Technology Applications	03580900 (1 credit)	None	None
Independent Study in Evolving/Emerging Technologies	03581500 (1 credit)	None	None
Project-Based Research	12701500 (1 credit)	None	None
Career Preparation I	12701300 (2 credits) 12701305 (3 credits)	None	None

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Information Technology Support and Services

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Law and Public Service Career Cluster

The Law and Public Service Career Cluster focuses on planning, managing, and providing legal services, public safety, protective services, and homeland security, including professional and technical support services. Students will examine the roles and responsibilities of police, courts, corrections, private security, and fire and emergency services.

Law Enforcement Statewide Program of Study



The Law Enforcement program of study teaches CTE learners about the development of, adherence to, and protection of various branches of law. Students will learn how to appropriately and legally respond to breaches in the law according to statutory rules and regulations as well as investigate how and why the breaches occurred.

Secondary Courses for High School Credit Recommended Course Sequence

Level 1

- Principles of Law, Public Safety, Corrections, and Security

Level 2

- Law Enforcement I

Level 3

- Law Enforcement II

Level 4

- Forensic Science

Postsecondary Opportunities

Associates Degrees

- Criminal Justice/Safety Studies/Law
- Enforcement Administration
- Criminal Justice/Police Science
- Corrections
- Criminalistics and Criminal Science

Bachelor's Degrees

- Criminal Justice/Safety Studies/Law
- Enforcement Administration
- Criminal Justice/Police Science
- Juvenile Corrections
- Cyber/Computer Forensics and Counterterrorism

Master's, Doctoral, and Professional Degrees

- Criminal Justice/Safety Studies/Law
- Enforcement Administration
- Natural Resources
- Law Enforcement and Protective Services

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

- Join the Texas Public Service Association or local criminal justice clubs

Work-Based Learning Activities

- Attend court hearings and other legal procedures

Industry-Based Certifications

- Non-Commissioned Security Officer Level II



Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Police and Sheriff's Patrol Officers	\$60,112	5,241	13%
Probation Officers and Correctional Treatment Officers	\$44,054	793	9%
Correctional Officers and Jailers	\$40,186	4,683	9%
Immigration and Customs Inspectors	\$78,104	1,236	9%
First-Line Supervisors of Police and Detectives	\$91,312	253	25%

Successful completion of the Law and Public Service program of study will fulfill requirements of the Public Service endorsement. Revised – August 2022

Law Enforcement Course Information

Level 1

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Principles of Law, Public Safety, Corrections, and Security	13029200 (1 credit)	None	None

Level 2

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Law Enforcement I	13029300 (1 credit)	None	None
Federal Law Enforcement and Protective Services	13029800 (1 credit)	None	None
Criminal Investigation	13029550 (1 credit)	None	None

Level 3

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Law Enforcement II	13029400 (1 credit)	None	None
Correctional Services	13029700 (1 credit)	None	None
Forensic Psychology	N1303012 (1 credit)	None	None

Level 4

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Counseling and Mental Health	13024600 (1 credit)	None	None
Forensic Science	13029500 (1 credit)	Biology and Chemistry	None
Practicum in Law, Public Safety, Corrections, and Security	13030100 (2 credits) 13030105 (3 credits) 13030110 (2 credits) 13030115 (3 credits)	None	None

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Education and Training Career Cluster

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.

Teaching and Training Statewide Program of Study



The Teaching and Training program of study prepares CTE learners for careers related to teaching, instruction, and creation of instructional and enrichment materials. The program of study introduces CTE learners to a wide variety of student groups and their corresponding needs. It familiarizes them with the processes for developing curriculum, coordinating educational content, and coaching groups and individuals.

Secondary Courses for High School Credit Recommended Course Sequence

Level 1

- Principles of Education and Training

Level 2

- Human Growth and Development

Level 3

- Instructional Practices

Level 4

- Practicum in Education and Training

Work-Based Learning and Expanded Learning Opportunities

Exploration Activities

- Participate in the Texas Association of Future Educators or Family, Career, and Community Leaders of America

Work-Based Learning Activities

- Teach a community education class
- Intern as a teaching assistant or tutor
- Serve as a camp counselor

Industry-Based Certifications

- Educational Aide I



Postsecondary Opportunities

Associates Degrees

- Teacher Education
- Education, General (or specific subject area)
- Special Education
- Health and Physical Education/Fitness

Bachelor's Degrees

- Bilingual and Multilingual Education
- Education, General (or specific subject area)
- Special Education
- Health and Physical Education/Fitness

Master's, Doctoral, and Professional Degrees

- Instruction and Learning
- Educational Leadership and Administration, General
- Special Education
- Social and Philosophical Foundations of Education

Aligned Occupations

Occupations	Median Wage	Annual Openings	% Growth
Adult Basic and Secondary Education and Literacy Teachers and Instructors	\$48,069	862	17%
Middle School Teachers, Except Special and Career/Technical Education	\$54,510	6,407	15%
Career and Technical Education Teachers, Secondary School	\$56,360	719	9%
Special Education Teachers, Secondary School	\$56,720	980	18%

Successful completion of the Teaching and Training program of study will fulfill requirements of the Public Service endorsement. Revised – August 2022

Teaching and Training Course Information

Level 1

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Principles of Education and Training	13014200 (1 credit)	None	None
Principles of Human Services	13024200 (1 credit)	None	None

Level 2

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Human Growth and Development	13014300 (1 credit)	None	None
Child Development	13024700 (1 credit)	None	None
Communication and Technology in Education	N1300510 (1 credit)	None	None

Level 3

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Instructional Practices	13014400 (2 credits)	1 credit from Education and Training Career Cluster	None
Teaching Strategies for Special Populations (TBD)	TBD	TBD	TBD

Level 4

COURSE NAME	SERVICE ID	PREREQUISITES	COREQUISITES
Practicum in Education and Training	13014500 (2 credits) 13014505 (3 credits) 13014510 (2 credits) 13014515 (3 credits)	Instructional Practices	None
Project Based Research	12701500 (1 credit)	None	None
Career Preparation I	12701300 (2 credits) 12701305 (3 credits)	None	None

Teaching and Training

FOR ADDITIONAL INFORMATION ON THE EDUCATION AND TRAINING CAREER CLUSTER,
PLEASE CONTACT: CTE@tea.texas.gov
<https://tea.texas.gov/cte>

[LEA name] does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs or activities and provides equal access to the Boy Scouts and other designated youth groups. The following person has been designated to handle inquiries regarding the nondiscrimination policies: [title, address, telephone number, email.]

Further nondiscrimination information can be found at [Notification of Nondiscrimination in Career and Technical Education Programs](#).



Crandall Independent School District Board of Trustees

Board Meeting Date: November 14, 2022

Agenda Item: Policy 118 Update

Agenda Section: Information

Administrator Responsible: Dr. Holly Keown

Summary/Background Information:

Approval for local policy updates for policies:
CFD(LOCAL) ACCOUNTING: ACTIVITY FUNDS MANAGEMENT
CH(LOCAL) PURCHASING AND ACQUISITION
CQB(LOCAL) TECHNOLOGY RESOURCES: CYBERSECURITY
DFE(LOCAL) TERMINATION OF EMPLOYMENT: RESIGNATION
DP(LOCAL) PERSONNEL POSITIONS
EHAA(LOCAL) BASIC INSTRUCTIONAL PROGRAM: REQUIRED INSTRUCTION (ALL LEVELS)
EHBC(LOCAL) SPECIAL PROGRAMS: COMPENSATORY/ACCELERATED SERVICES
EIE(LOCAL) ACADEMIC ACHIEVEMENT: RETENTION AND PROMOTION
FDE(LOCAL) ADMISSIONS: SCHOOL SAFETY TRANSFERS
FEA(LOCAL) ATTENDANCE: COMPULSORY ATTENDANCE
FEC(LOCAL) ATTENDANCE: ATTENDANCE FOR CREDIT
FFG(LOCAL) STUDENT WELFARE: CHILD ABUSE AND NEGLECT
FL(LOCAL) STUDENT RECORDS
FFAC(LOCAL) WELLNESS AND HEALTH SERVICES: MEDICAL TREATMENT
FBA(LOCAL) EQUAL EDUCATIONAL OPPORTUNITY: SERVICE ANIMALS

The following documents contain the proposed changes. Text in color will indicate the addition to the policy.

Administrative Recommendation: For your information.



Crandall Independent School District

Board of Trustees

Board Meeting Date:	November 14, 2022
Agenda Item:	District Improvement Plan
Agenda Section:	Action
Administrator Responsible:	Amanda Roberts

Summary/Background Information: Each school district shall have a district improvement plan that is developed, evaluated, and revised annually, in accordance with district policy, by the superintendent with the assistance of the district-level committee established under Section 11.251 (Planning and Decision-making Process). The purpose of the district improvement plan is to guide district and campus staff in the improvement of student performance for all student groups in order to attain state standards in respect to the achievement indicators adopted under Section 39.053 (Performance Indicators: Achievement)(c).

Administrative Recommendation: Administration recommends approval of the District Improvement plan as presented.



Crandall Independent School District

Board of Trustees

Board Meeting Date:	November 14, 2022
Agenda Item:	Recruitment Efforts & Compensation Plan
Agenda Section:	Action
Administrator Responsible:	Holly Keown, Ed. D.

Summary/Background Information: Recruitment efforts have initiated proactive measures to seek teachers for Crandall ISD.

We have partnered with TAMUC and Dallas College to provide Clinical Teaching Experiences for the Spring of 2023 and Fall of 2023. When working with colleges and universities, the competitive advantage of providing a daily pay rate for student clinical experiences leads to teaching commitments with districts. Thus, we are requesting to pay \$160.42 per day to 11 clinical teachers for the upcoming Spring and Fall Semesters.

Another method of retaining employees is to provide incentives for earning a Masters. We would like to approve a Masters Cohort starting in January of 2023 with a minimum of \$500.00 three times a year to assist with their education. We have set up standards required to receive a reimbursement, including application, length of employment, passing grades, and minimum required coursework.

Another addition to our compensation plan is to include Dallas College as an option for the Grow Your Own Teacher Program with a reimbursement of \$750.00 to \$900.00 per semester, depending on their residency. The Dallas College Program will provide a Bachelor of Education with a traditional four-year program.

We continue seeking opportunities for our teachers and staff in Crandall ISD. Our purpose is to recruit, retain, and reward CISD staff.

Administrative Recommendation: Administration seeks board approval for the additional retention measures.



Crandall Independent School District

Board of Trustees

Board Meeting Date:	November 14, 2022
Agenda Item:	Purchasing Cooperatives Fees & Rebates for Fiscal Year 2022
Agenda Section:	Action
Administrator Responsible:	Mike White

Summary/Background Information: Texas Education Code 44.031(b) requires that any management fees paid to cooperative purchasing organizations must be presented in a written report and submitted annually in an open meeting of the Board of Trustees of the school district. Crandall ISD has active memberships in twenty-one (21) purchasing cooperatives. Membership in purchasing cooperatives has several advantages for the District. Advantages include being able to provide a broad variety of vendors for the District needs, less price fluctuation throughout the year, and the ability to increase the efficiency of purchasing processes. Membership fees for participation in purchasing cooperatives are borne by the Business Office's budget. Rebates received from a purchasing cooperative as a result of actual purchases from the cooperative vendors are recorded as revenue to the General Fund with the exception of a rebate received from a purchase using a federal funding source, that rebate must be reallocated to the funds from which the purchase was made.

Administrative Recommendation: Administration recommends that the report for purchasing cooperative membership fees and rebates be accepted for the District's fiscal year 2022.



Crandall Independent School District Board of Trustees

Board Meeting Date: November 14, 2022
Agenda Item: Monthly Financial Reports
Agenda Section: N/A
Administrator Responsible: Mike White, Chief Financial Officer

Summary/Background Information:

Statement of Revenues, Expenditures, & Changes in Fund Balance
Tax Collection Report
Monthly Investment Report

Administrative Recommendations:

No recommendation is necessary.

**STATEMENT OF REVENUES, EXPENDITURES, & CHANGES IN FUND BALANCE
GENERAL FUND
MONTH ENDING OCTOBER 31, 2022**

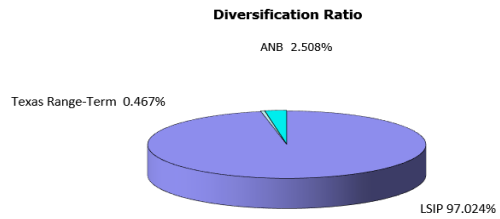
		<u>Amended Budget</u>	<u>YTD Rev / Exp</u>	<u>Percent Rev / Exp</u>
Revenue:				
5700	Local & Intermediate Sources	19,313,000.00	207,414	1.1%
5800	State Program Revenue	37,580,000.00	10,478,811	27.9%
5900	Federal Program Revenue	275,000.00	43,247	15.7%
	Total Revenues	<u>57,168,000.00</u>	<u>10,729,472</u>	<u>18.8%</u>
Appropriations:				
11	Instruction	31,132,000	5,163,538	16.6%
12	Library & Media Services	898,000	128,045	14.3%
13	Curriculum & Staff Development	759,000	105,834	13.9%
21	Instructional Leadership	755,000	121,941	16.2%
23	School Leadership	3,953,000	620,518	15.7%
31	Guidance, Counseling & Evaluations Serv	1,835,000	263,127	14.3%
32	Social Services	103,000	17,140	16.6%
33	Health Services	774,000	125,013	16.2%
34	Student Transportation	2,788,000	490,364	17.6%
36	Co-Curricular & Extra Curricular Activities	2,287,000	357,250	15.6%
41	General Administration	2,912,000	499,023	17.1%
51	Maintenance & Operation	5,386,000	867,185	16.1%
52	Security & Monitoring Services	1,262,000	194,190	15.4%
53	Data Processing Services	1,993,000	442,361	22.2%
61	Community Services	24,000	5,431	22.6%
71	Debt Service	0	0	0.0%
81	Facilities Acquisition & Construction	37,000	129,114	0.0%
99	Other Intergovernmental Charges	270,000	0	0.0%
	Total Appropriations/Expenditures	<u>57,168,000</u>	<u>9,530,072</u>	<u>16.7%</u>
Net Change in Fund Balance		0	1,199,399	
Fund Balance - September 1 (Beginning)		<u>14,071,626</u>	<u>10,888,932</u>	
Fund Balance - August 31 (Ending)		<u><u>14,071,626</u></u>	<u><u>12,088,331</u></u>	

CRANDALL ISD
856406.76
FOOD SERVICE FUND 240
MONTH ENDING OCTOBER 31, 2022

		<u>Amended</u>	<u>YTD</u>	<u>Percent</u>
		<u>Budget</u>	<u>Rev / Exp</u>	<u>Rev / Exp</u>
Revenue:				
5700	Local & Intermediate Sources	745,000	272,655	36.6%
5800	State Program Revenue	51,000	7,114	13.9%
5900	Federal Program Revenue	2,069,000	311,380	15.0%
	Total Revenues	<u>2,865,000</u>	<u>591,149</u>	<u>20.6%</u>
Appropriations:				
35	Food Services	2,850,000	575,070	20.2%
51	Maintenances	15,000	-	0.0%
	Total Appropriations/Expenditures	<u>2,865,000</u>	<u>575,070</u>	<u>20.1%</u>
Net Change in Fund Balance		<u>-</u>	<u>16,078</u>	

**CRANDALL INDEPENDENT SCHOOL DISTRICT
STATEMENT OF REVENUES, EXPENDITURES, & CHANGES IN FUND BALANCE
INTEREST & SINKING
MONTH ENDING OCTOBER 31, 2022**

	<u>Amended Budget</u>	<u>YTD Rev / Exp</u>	<u>Percent Rec / Exp</u>
Revenue:			
5700 Local & Intermediate Sources	11,770,000	66,420	0.6%
5800 State Program Revenue	260,000		0.0%
Total Revenues	12,030,000	66,420	0.6%
Appropriations:			
71 Debt Services	13,170,000	1,000	0.0%
Total Appropriations/Expenditures	13,170,000	1,000	0.0%
Net Change in Fund Balance	(1,140,000)	65,420	



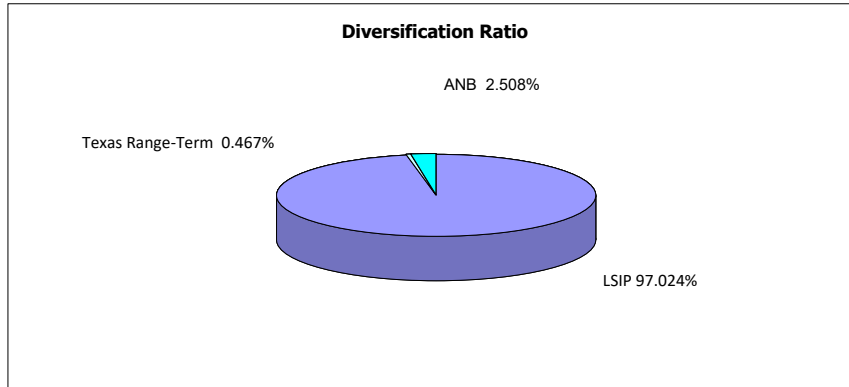
**Tax Collection Report
Month Ending October 31, 2022**

MAINTENANCE AND OPERATIONS																	
	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUNE</u>	<u>JULY</u>	<u>AUG</u>	<u>YTD</u>	<u>BUDGET</u>	<u>PERC</u>		
CURRENT	\$ 23,453.13	\$ 11,117.72											\$ 34,570.85	\$ 17,758,000.00	0.19%		
PRIOR YR	\$ 1,776.67	\$ 15,683.67											\$ 17,460.34	\$ 425,000.00	4.11%		
PEN & INT	\$ 7,177.00	\$ 5,002.32											\$ 12,179.32	\$ 100,000.00	12.18%		
TOTAL	\$ 32,406.80	\$ 31,803.71	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 64,210.51	\$ 18,283,000.00	0.35%		

INTEREST AND SINKING																	
	<u>SEP</u>	<u>OCT</u>	<u>NOV</u>	<u>DEC</u>	<u>JAN</u>	<u>FEB</u>	<u>MAR</u>	<u>APR</u>	<u>MAY</u>	<u>JUNE</u>	<u>JULY</u>	<u>AUG</u>	<u>YTD</u>	<u>BUDGET</u>	<u>PERC</u>		
CURRENT	\$ 13,447.89	\$ 6,423.13											\$ 19,871.02	\$ 11,320,000.00	0.18%		
PRIOR YR	\$ 907.45	\$ 8,954.89											\$ 9,862.34	\$ 300,000.00	3.29%		
PEN & INT	\$ 4,045.86	\$ 2,855.63											\$ 6,901.49	\$ 50,000.00	13.80%		
TOTAL	\$ 18,401.20	\$ 18,233.65	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 36,634.85	\$ 11,670,000.00	0.31%		

MONTHLY INVESTMENT REPORT
10/31/2022

				October 1, 2022				October 31, 2022
		Interest Rate	Diversification Ratio	Beginning Balance	Increases to Cash	Decreases to Cash	Interest	Ending Balance
Lone Star Investment Pool	General Operating	1.715%		8,852,031.04	4,031,803.71	(4,175,671.35)	23,274.57	8,731,437.97
	Debt Service			6,012,936.85	18,233.65		16,619.75	6,047,790.25
	Construction			91,463,775.65		(2,433,105.73)	248,866.85	89,279,536.77
	% Funds invested in LSIP		97.024%	106,328,743.54				104,058,764.99
Texas Range-Term	General Operating - Texas Range	1.000%		500,078.64	1,291.65			501,370.29
	General Operating - CD Program			-				0.00
	% Funds invested in Texas Range		0.467%	500,078.64				501,370.29
American National Bank	General Operating	0.120%		1,833,831.51	8,839,200.36	(9,582,651.29)	169.30	1,090,549.88
	Payroll Clearing			811,640.78	4,342,124.31	(4,066,681.04)	54.31	1,087,138.36
	Debt Service			1,406.91			0.12	1,407.03
	Black and Gold			-				0.00
	Student Activity			211,243.62	45,233.25	(29,128.57)	19.39	227,367.69
	Construction			330,797.90	2,433,105.73	(2,480,399.79)	43.32	283,547.16
	Workers Comp			1.00	15.00	(15.00)		1.00
	% Funds invested in ANB of Texas		2.508%	3,188,921.72				2,690,011.12
Fund Totals	General Operating			11,185,941.19	12,872,295.72	(13,758,322.64)	23,443.87	10,323,358.14
	Activity			211,243.62	45,233.25	(29,128.57)	19.39	227,367.69
	Workers Comp			1.00	15.00	(15.00)	-	1.00
	Debt Service			6,014,343.76	18,233.65	-	16,619.87	6,049,197.28
	Construction			91,794,573.55	2,433,105.73	(4,913,505.52)	16,663.07	89,563,083.93
	Payroll Clearing			811,640.78	4,342,124.31	(4,066,681.04)	54.31	1,087,138.36
	GRAND TOTAL		100.000%	110,017,743.90	19,711,007.66	(22,767,652.77)	56,800.51	107,250,146.40



Note to Board of Trustees:

All investments for month end for 10/31/2022 have been made in compliance with board policy and the Public Funds Investment Act.

Mike White
CFO