

# Facilities Planning

Career & Technical Education March 2, 2021



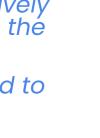


# Agenda and Objectives

- CTE Overview
- CTE Programming /JROTC Programming
- Logistics and Equity
- Program considerations
- Next Steps

We will review information related to programming and collaboratively gather feedback to determine recommendations to be included in the presentation to the NBISD Board of Trustees.

I will actively participate in discussions and decision making related to specialized programming at the new high school.







# **CTE Overview**





## What is CTE?

Vocational Education (Voc-Ed) Career and Technology (CATE) Career & Technical Education (CTE)

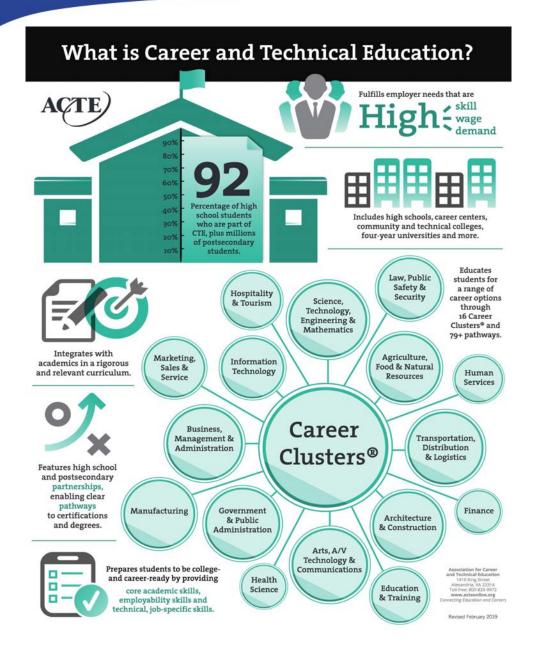
Post-It note perceptions



## What is CTE?

VOCATIONAL EDUCATION WAS:	CAREER TECHNICAL EDUCATION IS:	
Basic academics with technical skills related to specific jobs	Integration of high-level academics with technical training to enter jobs or college	
Primarily for non-college goers (only Career ready)	For anyone interested in the field (College AND Career ready)	
Based on an assumption that individuals will always work in the same occupation	Preparation for a changing workplace, including the ability to change careers	
For "some" or "those" kids	For ALL kids	





#### What is CTE?

 What percentage of students in NBISD grades 9-12 are participants in CTE?

 What Career Clusters are currently offered in NBISD?



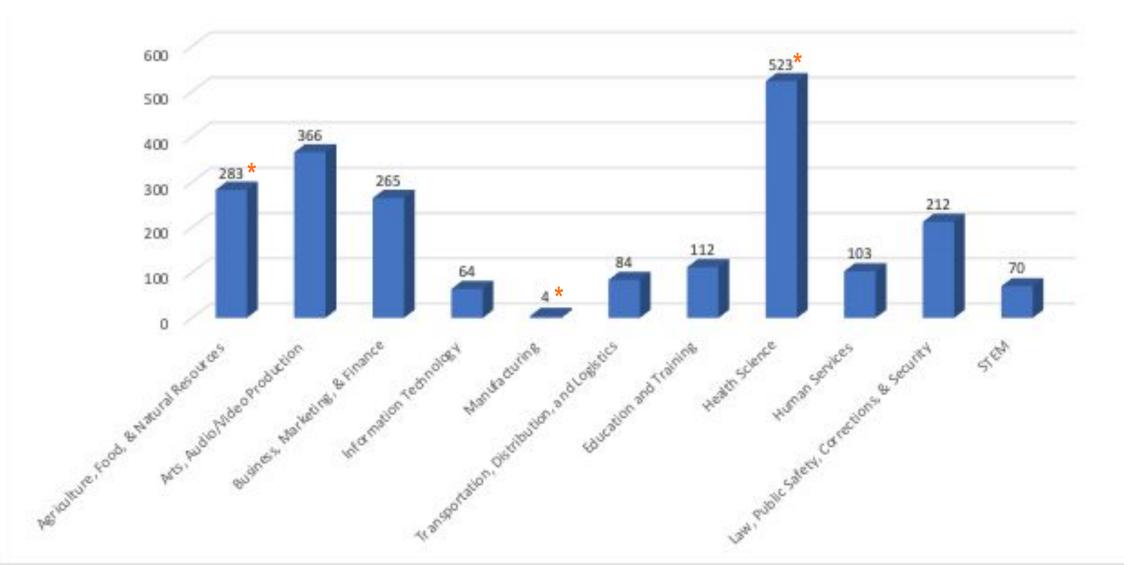
Which area has the highest enrollment numbers?



	Career Cluster	Example courses
	Agriculture, Food & Natural Resources	Animal Science, Plant Science, Ag Mechanics, Ag Fabrication
	Architecture & Construction	Do not currently offer in NBISD
	Arts, Audio/Video Technology & Communication	Speech, Animation, Graphic Design, Commercial Photography, Audio/Video Technology
	Business Management & Administration	Business Information Management, Global Business
	Education and Training	Instructional Practices, Child Development
	Finance	Accounting, Statistics and Business
	Government & Public Administration	Do not currently offer in NBISD
	Health Science	Medical Terminology, Pathophysiology, Pharmacology, Practicum
	Hospitality and Tourism	Do not currently offer in NBISD
	Human Services	Human Growth and Development, Counseling & Mental Health
	Information Technology	Computer Science 1, Web Design
	Law, Public Safety, Corrections & Security	Law Enforcement, Forensic Science
	Manufacturing	Robotics
	Marketing	Social Media Marketing, Entrepreneurship
	Science, Technology, Engineering & Mathematics (STEM)	AP Computer Science Principles, Engineering Design and Problem Solving
1	Transportation, Distribution and Logistics	Automotive Technology

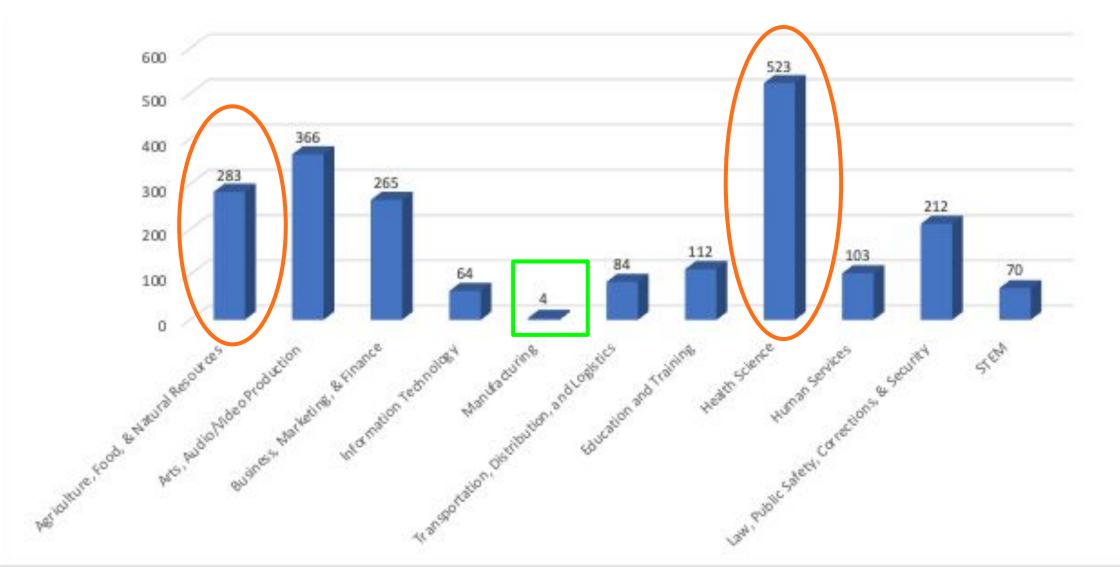


## **Current CTE Enrollment by Career Cluster**





## **Current CTE Enrollment by Career Cluster**





#### **CTE Courses**

- Within the 13 Career Clusters found in NBISD, we currently offer about 90 unique CTE courses
  - 28 CTE teachers
    - Many teach across multiple career clusters, most teach at least 3 different courses, and some teach up to 5 different courses, or "preps"

All courses can be found in course catalog found on the high school website under <u>Student Resources</u>.



#### **Industry Based Certificate Opportunities and Related Courses**

Industry Certifications are subject to change. Contact CTE Director for more details: rbehnke@nbisd.org

urse
Idlife, Fisheries & Ecology Managemen
estock Production
Structures, Ag Power
ral Design

Arts, Audio/Video Technology and Communication	
Certification	Course
Adobe Certified Associate (ACA) in Photoshop	Photography, Graphic Design
Adobe Certified Associate (ACA) in InDesign	Graphic Design
Adobe Certified Associate (ACA) in Illustrator	Graphic Design
Adobe Certified Associate (ACA) in Premiere Pro	Audio/Video Production
Autodesk Maya Certified User	Animation
Business, Finance and Marketing	

Business, Finance and Marketing		
Certification	Course	
Microsoft Office Specialist (MOS) in Excel	BIM 2	
QuickBooks	Accounting	
Transportation		
Certification	Course	
ALLDATA Certified Automotive Information Specialist (CAIS)	All Auto Tech classes	

Certification	Course
ALLDATA Certified Automotive Information Specialist (CAIS)	All Auto Tech classes
Automotive Service Excellence (ASE) - multiple opportunities	Auto Tech 2 and Practicum in Auto Tech
S/P2 Safety (Mechanical Safety & Pollution Prevention)	All Auto Tech classes

**Public Service Endorsement** 

Certification

StartSafe.StaySafe. Workplace training

Health Science		
Certification	Course	
OSHA - 10-hour Healthcare Industry	Health Science Practicum: Clinical Rotations	
Heart Saver First Aid CPR, AED	Health Science Theory	
Pharmacy Technician	Pharmacology	
Certified Medical Assistant	Health Science Practicum: Clinical	
Phlebotomy Technician, Certified	Health Science Practicum: Clinical	
None of the American Commence		

Phlebotomy Technician, Certified	Health Science Practicum: Clinical	
Law Enforcement		
Certification	Course	
OSHA - 10-hour General Industry	Law Enforcement 2	
Heart Saver First Aid CPR, AED	Law Enforcement 2	
STEM Endorsement		
Engineering: Robotics		

Course

Robotics

# CTE Industry Based Certifications

- Currently offering approximately 16 unique Industry-Based Certification (IBC) opportunities
  - It is a goal at federal, state
     and local levels to increase
     this number
- Several IBCs count towards the state A-F Accountability system. Others are just good for kids or meet another requirement.





#### **FFA** Agriculture (Formerly - Future Farmers of America) Education **FCCLA** Child Development (Family, Career and Community Leaders of America) Nutrition **Human Services** HOSA **Health Science** (Formerly - Health Occupations Students of America) **Business BPA** Marketing (Business Professionals of America) **Finance** Animation **Graphic Design** Information Technology Law Enforcement **SkillsUSA Automotive Technology** Champions at Work

### **CTE Courses**

 200+ students involved in five Career and Technical Student Organizations (CTSOs)











# CTE Programming





# **Current CTE Programming**

The original build-out program for the second high school was created about 10 years ago

- What has changed since then?
  - House Bill 5
  - House Bill 3
  - Accountability system
  - Funding methods
  - Attendance minutes





# What has changed?

#### **Impact of Texas Graduation Requirements**

	Year	Default Graduation Plan	Expectation	Impact on Instruction
	/UIU	Recommended High School Plan (MHSP, RHSP, DHSP)	from high school as well as readiness	Prepare students for institutions of higher education.
	2021	Foundation High School Program with Endorsements (FHSP w/endorsements)	measure(s) the extent to which a student has learned and is able to apply knowledge and skills defined in state-mandated curriculum, the	Prepare students to either pursue a traditional path into colleges and universities or move directly into the workforce. Post-secondary not limited to IHEs.

<sup>\*</sup>TEA Technical Digest for Academic Year 2009-2010

<sup>\*\*</sup>TEA Technical Digest for Academic Year 2011-2012



# What has changed?

#### **Required Credits for Graduation**

	2010	2021	
Subject	RHSP	FHSP w/endorsements	Difference
English	4	4	0
Math	4	4	0
Science	4	4	0
Social Studies	4	3	-1
PE	1.5	1	-0.5
Language Other Than English	2	2	0
Fine Arts	1	1	0
Speech	0.5	0.5	0
Health	0.5	0.5	0
Technical Applications	1	0	-1
Electives	3.5	6	2.5
Total	26	26	5 more credits available for student choice

\*Source: 2010 and 2021 NBISD Course Catalogs





# TEA CTE Programs of Study

Using Labor Market Information (LMI) 53 Statewide Programs of Study were developed for implementation in the 2020-2021 school year.

https://tea.texas.gov/academics/college-career-and-military-pr ep/career-and-technical-education







# TEAR Programs of Study Considerations

- The **course sequences** within each program of study will be used for federal reporting of CTE concentrators
- The new federal definition for a CTE concentrator, as outlined in Perkins V, is the completion of two courses (for two or more credits) within a program of study
- CTE completer definition: the completion of three or more courses for four or more credits within a program of study including one level three or level four course





# **TEA** Programs of Study Considerations



Provides students a career path with opportunities to continue directly into postsecondary and the workforce



• Aligns education to the regional economy building off of the diverse needs of the Texas' economy



• Ability to develop stronger TEKS by utilizing a **gap analysis** between course standards and job skills



• Allows for **flexibility** in alignment of teacher certifications to the course sequencing



• Allows for better data collection and reporting of CTE concentrators for districts







# ANIMAL SCIENCE LEVEL 3 Level 4 Advanced Animal Science Veterinary Medical Applications Practicum in Agriculture, Food, and Natural Resources Postsecondary Options MARIER 8, MARIER

AGRICULTURE, FOOD, AND NATURAL

offered within multiple grade levels.

ARTS, AUDIO/VIDEO TECHNOLOGY, AND

DESIGN AND

**MULTIMEDIA ARTS** 

POSTSECONDARY OPTIONS

For more information on postsecondary options for this program of study, visit TXCTE org.

IOW Certified Web Graphic Design Graphic Design Graphic Design

COMMUNICATIONS

Adobe Rustrator

COURSES

Principles of Arts, Audio/Video Technology, and Communications

Animation I Commercial Photography I Graphic Design and Illustration I

Commercial Photography II Graphic Design and Illustration II

Practicum in Graphic Design and Illustration

rinciples of Agriculture, Food, and Natural Resources

# **NBISD Programs of Study**

https://www.nbisd.org/page/cte.programs





# **Current CTE Programming**

- In determining the new HS programming, there will be many programs that can be duplicated and offered at both campuses, especially when they are high-demand and low-cost.
  - Taught in a regular classroom or computer lab
  - May have some sort of initial investment but no long-term costs to run
    - Examples: Accounting, Advanced Animal Science, Law Enforcement, Child Development, Cybersecurity, Medical Terminology, Graphic Design, etc.

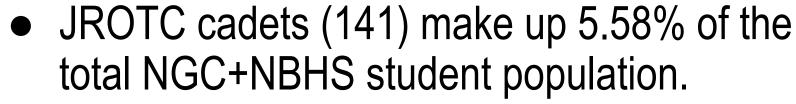


# **Current CTE Programming**

- Please know that we likely will not be able to include <u>every</u> program. Some programs may not be conducive to duplication due to the need for an upgraded facility, lack of facility, and location or availability of necessary partnerships
  - Examples:
    - Automotive Technology cost of new program or a facility upgrade needed
    - Veterinary Medicine lack of appropriate facility
    - Child Guidance partnership with early learning facility







- 90 male, 51 female
- 16 seniors, 37 juniors, 32 sophomores,
   56 freshman
  - Currently, Freshman are only able to attend 1st/7th





## **Considerations for JROTC**

- JROTC programs have certain instructor, space, and student requirements
- There are a finite number of JROTC programs allowed to be operating in the country
- Districts must submit an application to have a program
- There are also units called National Defense Cadet Corps that are service-specific as well
  - NDCCs are funded by the school district but they all have the same certifications and are normally transformed into a JROTC unit as one opens up



## **Considerations for JROTC**

- Start-up costs
  - desks, drill rifles, flags, marksmanship equipment, etc.
  - instructor salary
  - uniforms, supplies and other operational expenses
- Approximately 5,500 sf that could include:
  - Classroom
  - Large JROTC Drill Instruction/Multipurpose Space
  - Arms, Training Aids, Drill, Uniform and Supply Storage
  - Laundry Room
  - Locker Rooms





#### **Considerations for JROTC**

 JROTC programs are good for students, schools and communities.







# **Duplication of existing programs**

- Review handout showing programs that are being considered for duplication at both high school campuses.
  - Highlighted = being considered for duplication
  - Red font = would need upgrade to current facilities
  - Green font = distance to community partners may be a consideration









What are your thoughts about programs being considered for duplication at both high school campuses?

\*\*When finished, please take a break.\*\*



# Equity





# **Logistics and Equity**

- How do you ensure equity between campuses?
  - Offer all identical programs at both campuses
  - Offer same number of programs at both campuses but programs vary
  - Magnetize programs and offer certain programs at certain campuses





# Logistics

- If you magnetize:
  - Students select a home campus (regardless of where they are zoned) in 9th grade based on their desired program of study and stay there all 4 years
    - What if a student changes their mind? Will we allow them to go back to zoned campus?
    - Would not affect UIL eligibility going to a Magnet Program, but may affect it going back to home campus
  - Students go to their zoned home campus and district provides transportation to the other campus based on desired program
    - Distance between campuses and 40 minute transportation time will severely impede schedules at both campuses. Most likely limited to 1st and 7th periods.



# Logistics

- Regardless of option selected, there will most likely need to be a plan for upgrading current facilities and equipment at the existing NBHS in the following programs:
  - Ag Mechanics (welding)
  - Automotive
  - Robotics







# thoughtexchange



What should be considered to ensure equity in the area of CTE at both high school campuses?



# **CTE Considerations**





## **Considerations for New CTE Programs**

#### Data sources considered:

- Statewide labor market information from the Texas Workforce Commission
- Local labor market information from the Texas Workforce Commission
- Local labor market conversations and survey through the CTE Advisory Committee and other stakeholders
- Student interest survey
- Census data



### **Considerations for New CTE Programs**

- Review of data up to this point has guided us towards the primary considerations of new\* programs that we might consider adding:
  - Construction Technology (and related trades)
  - Culinary Arts
  - Robotics (Competition)\* and/or (Advanced Manufacturing)
  - Veterinary Medicine\*
- I will present more information about each of these areas, then we will participate in some Q&A and discussion

\*Currently have at least one course but facility and program of study will require build-out to offer with fidelity.





### **Construction Technology**

### Statewide Programs of Study exist in:

- Architectural Design/CAD
- Carpentry
- Construction Management Electrical
- HVACR and Sheet Metal
- Plumbing and Pipefitting











## Construction Technology - IBC Opportunities

### **Architecture and Construction**

Refrigerant Handling (EPA 608)	Autodesk Certified Professional or User in AutoCAD	Autodesk Certified Professional in Auto- CAD Civil 3D	Autodesk Certified Professional in Revit Mechanical Building Systems
Autodesk Certified Professional or User in Revit Architecture	Autodesk Certified Professional in Revit MEP Electrical	Professional in Revit ship Certificate Level	
NCCER Carpentry, Level 1	NCCER Carpentry, Level 2	NCCER Commercial Carpenter	NCCER Commercial Electrician
NCCER Construction Site Safety Technician (CSST)	NCCER Construction Technology	NCCER Core Curriculum	NCCER Electrical, Lev- el 1
NCCER Electrical, Lev- el 2	NCCER Electronic Sys- tems Technician, Lev- el 1	NCCER Electronic Sys- tems Technician, Lev- el 2	NCCER HVAC, Level 1
NCCER Masonry, Lev- el 1	NCCER Masonry, Lev- el 2	NCCER Painting/Com- mercial and Residen- tial, Level 1	NCCER Pipefitting, Level 1
NCCER Plumbing, Level 1	NCCER Plumbing, Level 2	NCCER Weatheriza- tion, Level 1	OSHA 30 Hour Construction
Tradesman Plumber - Limited License		Wireless Systems Installer Technician	





## Construction Technology - estimate 9,000 - 12,000 sf

- Estimate 9,000 12,000sf that could include:
  - Construction Shops and Labs
  - Architectural Design Studio
  - Storage/Printing/Plotting
  - Materials and Storage
  - Classroom
- Higher initial building construction costs
- Industry partnerships for training and assistance





## Construction Technology - Labor Market Occupational Outlook

Occupational Title	Statewide Workforce LMI	Alamo Workforce LMI	Rural Capital Area Workforce LMI
Architectural and Civil Drafters  Required Education: Associate's Degree	20% Growth Rate	21% Growth Rate	24% Growth Rate
	Median Annual Wage: \$53,343	Median Annual Wage: \$53,039	Median Annual Wage: \$48,193
HVACR Mechanics  Required Education: Industry Credential	23% Growth Rate	20% Growth Rate	44% Growth Rate
	Median Annual Wage: \$44,552	Median Annual Wage: \$45,741	Median Annual Wage: \$43,031
Construction Managers  Required Education: Bachelor's Degree	18% Growth Rate	19% Growth Rate	22% Growth Rate
	Median Annual Wage: \$90,902	Median Annual Wage: \$87,591	Median Annual Wage: \$84,210
Electricians  Required Education: Industry Credential	17% Growth Rate	16% Growth Rate	37% Growth Rate
	Median Annual Wage: \$49,413	Median Annual Wage: \$46,418	Median Annual Wage: \$53,369



Level 1

Introduction to Culinary Arts Principles of Hospitality and

**Culinary Arts** Foundations of Restaurant Management

Level 2

**Advanced Culinary Arts** 

Level 3

**Food Science** 

**Practicum in Culinary Arts** 



**Culinary Arts** 







## **Culinary Arts- IBC Opportunities**

### **Hospitality and Tourism**

Certified Fundamen-	Certified Fundamen-	Certified Hospitality &	ServSafe Manager
tals Cook (CFC)	tals Pastry Cook	Tourism Management	
	(CFPC)	Professional (AHLEI)	

ManageFirst Professional® (MFP) Credential





## Culinary Arts - estimate 6,000 - 7,500 sf

- Estimate 6,000 7,500 sf that could include:
  - Production kitchen
  - Future cafe
  - Classroom
- High yearly operational costs for consumables and health code compliance
- Opportunity for portion of program to be self-funded with cafe or catering model





## Culinary Arts - Labor Market Occupational Outlook

Occupational Title	Statewide Workforce LMI	Alamo Workforce LMI	Rural Capital Area Workforce LMI
Chefs and Head Cooks Required Education: Associate's Degree	22% Growth Rate Median Annual Wage: \$50,580	23% Growth Rate Median Annual Wage: \$52,783	20% Growth Rate Median Annual Wage: \$57,990
Food Service Managers  Required Education: Some college/No degree	21% Growth Rate	19% Growth Rate	22% Growth Rate
	Median Annual Wage: \$58,789	Median Annual Wage: \$55,323	Median Annual Wage: \$51,269
First-Line Supervisors of Food Prep workers  Required Education: High School or equivalent	25% Growth Rate	26% Growth Rate	25% Growth Rate
	Median Annual Wage: \$35,341	Median Annual Wage: \$34,951	Median Annual Wage: \$37,552



Principles of Manufacturing Principles of Applied Engineering

### Level 1

**Engineering Design and** Presentation I

Occupational Safety and Environmental Technology I

Level 2 Robotics I

Manufacturing Engineering

Technology I

Programmable Logic Controller I

Manufacturing Engineering

Technology II Robotics II

Level 3

Occupational Safety and Environmental Technology II Programmable Logic Controller II

Practicum in Manufacturing Practicum in Entrepreneurship (TBD)

Career Preparation I

Level 4



### Robotics/ **Advanced** Manufacturing







### Manufacturing

America Welding Society Certified Welder  API 1104 Welding Certificate		Autodesk Certified Professional or User (ACU)- Inventor	AWS D1.1 Structural Steel	
AWS D9.1 Sheet Metal	AWS SENSE Welding Level 1	Certified Electronics Systems Associate	Certified Engineering Technician - Audio Systems	
Certified SolidWorks Associate (CSWA)	FANUC Robot Opera- tor 1	ISA Certified Control Systems Technician	ISCET Associate-Level Certified Electronics Technicians (CET)	
Mastercam Associate Certification - Mill De- sign and Toolpaths	Mastercam Associate Level Certification	Mastercam Certified Professional Mill Level 1 (CPgM1)	Mastercam Profes- sional Level Certification	
MSSC (Manufacturing Skills Standards Coun- cil) Certified Produc- tion Technician (CPT)	kills Standards Coun- il) Certified Produc- ic, Level 1		NCCER Millwright, Level 1	
NCCER Millwright, Level 2 1		NIMS (National Insti- tute for Metal Work- ing Skills) Industrial Technology Mainte- nance (ITM) - Basic Mechanical Systems	NIMS (National Insti- tute for Metal Work- ing Skills) Industrial Technology Mainte- nance (ITM) - Basic Pneumatic Systems	
NIMS (National Insti- tute for Metal Work- ing Skills) Industrial Technology Mainte- nance (ITM) - Electrical Systems	NIMS (National Insti- tute for Metal Work- ing Skills) Industrial Technology Mainte- nance (ITM) - Mainte- nance Operations	NIMS (National Insti- tute for Metal Work- ing Skills) Industrial Technology Mainte- nance (ITM) - Electron- ic Control Systems	NIMS (National Insti- tute for Metal Work- ing Skills) Industrial Technology Mainte- nance (ITM) - Mainte- nance Piping	
NIMS (National Institute for Metal Working Skills) Industrial Technology Maintenance (ITM) - Maintenance Welding  NIMS (National Institute for Metal Working Skills) Industrial Technology Maintenance (ITM) - Process Control Systems		NIMS (National Insti- tute for Metal Work- ing Skills) Machining Level I - CNC Milling: Operations	NIMS (National Insti- tute for Metal Work- ing Skills) Machining Level I - CNC Milling: Programming Setup & Operations	
NIMS (National Insti- tute for Metal Work- ing Skills) Machining Level I - CNC Turning: Operations	NIMS (National Insti- tute for Metal Work- ing Skills) Machining Level I - CNC Turning: Programming Setup & Operations	NIMS (National Insti- tute for Metal Work- ing Skills) Machining Level I - Drill Press Skills I	NIMS (National Insti- tute for Metal Work- ing Skills) Machining Level I - Grinding Skills I	
NIMS (National Insti- tute for Metal Work- ing Skills) Machining Level I - Manual Milling Skills I	NIMS (National Insti- tute for Metal Work- ing Skills) Machining Level I - Measurement, Mate- rial & Safety			

# Robotics/ Advanced Manufacturing IBC Opportunities





## Robotics/Advanced Manufacturing - estimate 5,000 - 7,000 sf

- Estimate 5,000 7,000 sf that could include:
  - Classrooms/ Computer Labs
  - Fabrication Lab
  - Supply storage
  - Demo space
- Most requested program from industry partners
  - Opportunity for training and equipment





## Robotics/Advanced Manufacturing Labor Market Occupational Outlook

Occupational Title	Statewide Workforce LMI	Alamo Workforce LMI	Rural Capital Area Workforce LMI
Industrial Machinery Mechanics  Required Education: Industry Credential	18% Growth Rate	18% Growth Rate	27% Growth Rate
	Median Annual Wage: \$53,547	Median Annual Wage: \$50,430	Median Annual Wage: \$47,013
Computer Numerically Controlled Machine Tool Programmers  Required Education: Associate's Degree	34% Growth Rate	N/A Growth Rate	40% Growth Rate
	Median Annual Wage: \$54,511	Median Annual Wage: N/A	Median Annual Wage: \$54,172
Electric Motor and Related Repair Required Education: Industry Credential	18% Growth Rate Median Annual Wage: \$38,607	16% Growth Rate Median Annual Wage: \$41,215	N/A Growth Rate Median Annual Wage: N/A



Level 1

Principles of Agriculture, Food, and Natural Resources

Small Animal Management Equine Science

### Level 2

Livestock Production/Lab

### Level 3

Advanced Animal Science Veterinary Medical Applications/Lab Practicum in Agriculture, Food, and

### Level 4

Natural Resources Project-Based Research Scientific Research and Design

## **Veterinary Medicine**





### **Agriculture, Food, and Natural Resources**

1 Landscape Irrigation Technician License	Licensed Veterinary Technician	OSHA 30 Hour General Industry	OSHA Hazardous Waste Operations and Emergency Response	
Commercial/Noncommer- cial Pesticide Applicator	Feedyard Techni- cian in Cattle Care and Handling	Feedyard Technician in Machinery Opera- tion, Repair and Maintenance	Texas State Floral Association Floral Skills Knowledge Based Certification	
Texas State Floral Associa- tion Level One Floral Certification	Texas State Floral Association Level Two Certification	Certified Veterinari- an Assistant, Level 1	Wastewater Collec- tions, Class 1	
Water Operators, Class D				







### Veterinary Medicineestimate 2,500 - 3,000 sf

- Estimate 2,500 3,000 sf that could include:
  - Classroom
  - Small Animal Lab
  - Grooming/Washing Area
  - Lobby/Reception Area
  - Tool Room/Storage
- Industry partners for required student hours





## Veterinary Medicine Labor Market Occupational Outlook

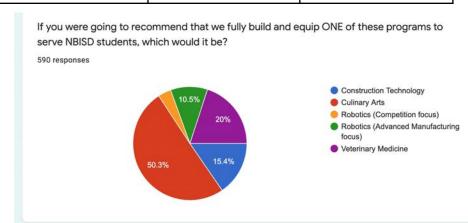
Occupational Title	Statewide Workforce LMI	Alamo Workforce LMI	Rural Capital Area Workforce LMI
Veterinarian  Required Education: Doctoral or professional degree	25% Growth Rate	27% Growth Rate	29% Growth Rate
	Median Annual Wage: \$99,034	Median Annual Wage: \$92,396	Median Annual Wage: redacted





### **Considerations for New CTE Programs**

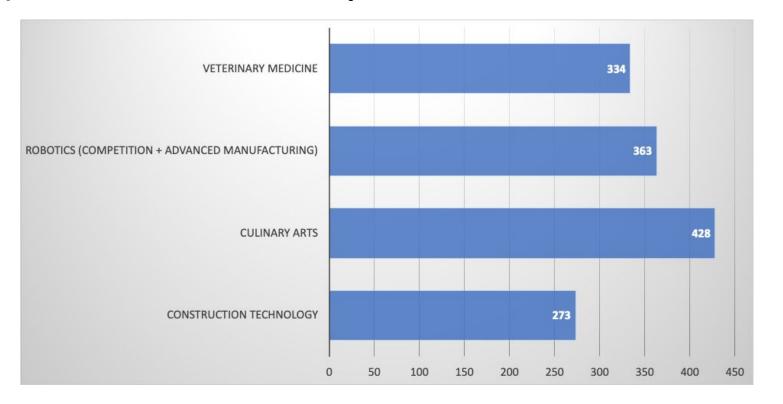
	Texas Statewide LMI	Alamo LMI	Rural Capital Area LMI	CTE Stakeholder Input	Student Interest 590 responses
Construction Related Trades				<b>✓</b>	15.4%
Culinary Arts	<b>✓</b>	<b>✓</b>	<b>*</b>	×	50.3%
Robotics /Advanced Manufacturing	<b>✓</b>	<b>✓</b>	<u> </u>	<u> </u>	14.3%
Veterinary Medicine	<b>✓</b>		×	×	20%





### **Considerations for New CTE Programs**

Question: The following are possible program areas for consideration. If these would have been available as options for you, please indicate which you would have been interested in.





Long term

sustainability



### Impact of adding any of these programs

Cost of program/speciality space required - the higher or more specific the square footage, the more expensive it will be

Response to equity

Staffing

Adding new programs takes away from other programs





## Q&A

What questions do you have for the good of the group that will help you before you break into discussion groups?

Your discussion results will be shared in a final ThoughtExchange as your Exit Ticket.



### **Discussion Protocol**

**Pose the Problem:** Calling for a bond that includes adding all programs is neither equitable nor financially feasible. We need to narrow down what programs we want to add. Programs we are considering right now are:

- a. Construction
- b. Culinary Arts
- c. Robotics
- d. Veterinary Medicine





### **Discussion Protocol**

- 1. **Individual response:** before sharing any thoughts with your group, write your thoughts from your own point of view. Once everyone has written something down, go to step 2.
- 2. **Share:** Each person share your response and a very brief explanation.
- 3. **Discussion:** engage in questioning other group members. Each group member should have a chance to respond to a question.



### Possible probing question stems:

- What would have to change in order for...?
- What sort of an impact do you think...?
- How did you decide/determine/conclude...?
- What is your hunch about...?
- How might your assumptions about...have influenced how you're thinking about...?
- What surprises you about...? Why are you surprised?
- What is the best thing that could happen?
- What are you most afraid will happen?
- What do you need to ask to better understand?
- If you were a student, how would you see this situation?



## thoughtexchange



When thinking about adding programs, which one do you think would add the most value for the most stakeholders? What would you recommend to the Board of Trustees?





## thoughtexchange



Do you have any suggestions for the overall bond planning process?



- ✓ We will review information related to programming and collaboratively gather feedback to determine recommendations to be included in the presentation to the NBISD Board of Trustees.
- ✓ I will actively participate in discussions and decision making related to specialized programming at the new high school.

## Thank you!

Rachel Behnke: <a href="mailto:rbehnke@nbisd.org">rbehnke@nbisd.org</a> / 830.626.5677

