Career and Technical Education

Empowering Students...

DENTON
INDEPENDENT SCHOOL DISTRICT
Career and Technical Education

Empowering

- students with the skills they need to compete in tomorrows job market

- students to be life long learners and productive global citizens

- teachers to be powerful life change agents

- parents to be active partners in developing student potential

- our community to develop key partnerships for our students

Student Performance

CTE STAAR EOC Passing Rate		
	PBMAS 2014 Standard	**Denton**
Math	50	79.8
Science	50	92.2
Socials Studies	93.2	97.2
English Language Arts	66.6	73.2

Graduation and Dropout

CTE Performance	
Annual Dropout Rate	<1%
CTE Graduation Rate	98.4

Certification/Licensing

Certification/Licensing per Campus		
	2012-13	**2013-14**
DHS Students	105	146
GHS Students	102	220
OOD Students	87	88
RHS Students	141	295
Total Students	435	749

Enrollment

Enrollment		
	CTE	**ATC**
Total Count	7385	1788
Special Ed	9.8%	7%
Free/Reduced	41%	40%
9th Grade	1257	0
10th Grade	2295	197
11th Grade	1918	778
12th Grade	1981	813

Scholarships

- 234 Students for a total of $13,932

Highlights

- Balfour Betty Mentoring Program @ DHS
- Denton ISD/Chamber Career Planning Fair
- Elementary Career Fairs
- Middle School Career Carnival
- ACTE [Presentations](#)

Highlights

- TWU Grow Your Own Mentoring Program
- UNT Business Leadership Academy
- [Be Hip-Be Safe-On the Square PSA's](#)
- CNC Manufacturing Program Highlighted in Manufacturing News
- Denton County Mock Trial Competition

Career Planning Fair

Career Planning Fair Video

Advisory Committee

- Post Secondary Follow up
- Gender Equity
- Updated Technology
- More Internship Opportunities
- Increase Membership – Advisory Committee

Equipment Update

- Technology – High School CTE Labs
- Denton ISD TV Station to Digital
- Automotive
- Construction/Welding
- HSTE Lab Update

Curriculum Updates

- PLTW Recertification

- NATEF Automotive Recertification

- CTE TEKS Revision

- Middle School Implementation of Gateway to Technology Engineering Program
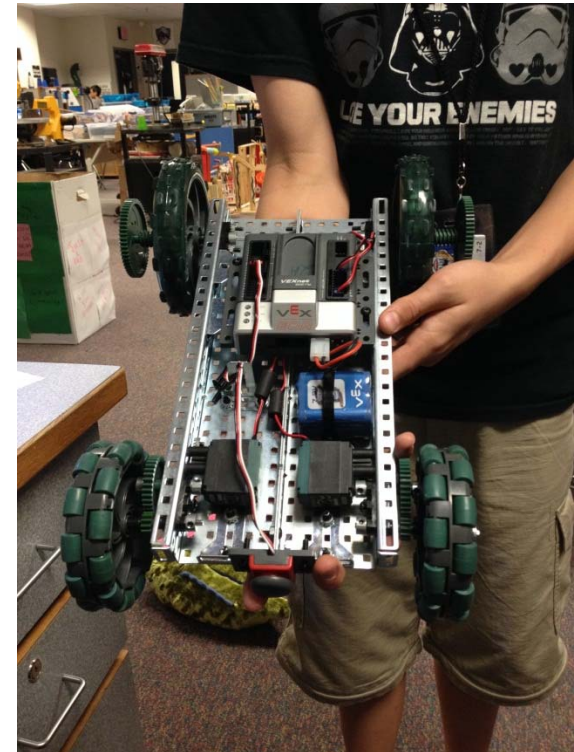
"As you know, teachers have the ability to influence a child's future…and that is what I am seeing with you and your class in my student's eyes. Perhaps most notable is that he not only talks about what he is doing in your class, but what he is learning in your class"

Navo Parent

HB 5 CTE Impact

- Career Carnival

- Middle School Parent Meetings

- 8th Grade 4 Yr Plans

- New Career Pathways

- CTE Program Growth
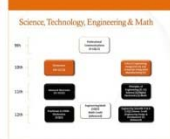
Targeted Occupations –
Workforce Solutions for North Central Texas

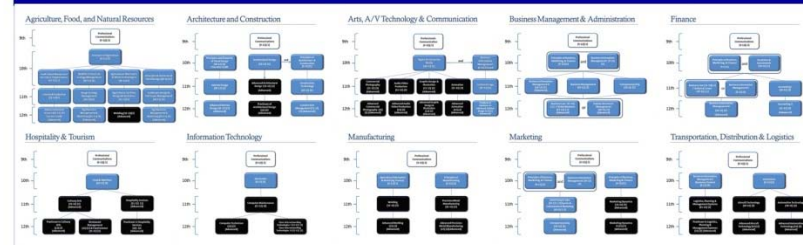| SOC Code	Occupation
	Business Management & Administration
13-2011	Accountants and Auditors
43-6011	Executive Secretaries and Executive Administrative Assistants
SOC Code	**Energy & Green Technology**
49-9051	Electrical Power Line Installers and Repairers
47-2111	Electricians
47-5013	New: Service Unit Operator, Oil/Gas/Mining
SOC Code	**Transportation/Logistics/Production**
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists
53-3032	Heavy and Tractor Trailer Truck Drivers
49-3023	Automotive Service Technicians and Mechanics
SOC Code	**Information Technology**
15-1131	Computer Programmers
15-1121	Computer Systems Analysts
15-1142	Network & Computer Systems Administrators
11-3021	Computer & Info System (IT) Managers
15-1122	New: Information Security Analysts
15-1132	New: Software Developers, Application

Targeted Occupations –
Workforce Solutions for North Central Texas

SOC Code	Occupation
SOC Code	Manufacturing/Industry
51-4011	Computer Controlled Machine Tool Operators
51-4041	Machinists
51-4121	Welders, Cutters, Solderers & Brazers
49-9041	Industrial Machinery Mechanics
17-2112	New: Industrial Engineers
47-2152.02	New: Licensed Plumbers
SOC Code	Aviation/Aerospace
49-3011	Aircraft Mechanics and Service Technicians
53-2012	Commercial Pilot **
SOC Code	Healthcare
29-1141	Registered Nurses
29-1126	Respiratory Therapists
29-2034	Radiologic Technologists
29-2055	Surgical Technologists
29-2061	Licensed Practical and Licensed Vocational Nurses
43-6013	Medical Secretaries
11-9111	New: Medical/Health Services Managers
31-2011	New: Occupational Therapy Assistants

Proposed Changes

Agriculture, Food, and Natural Resources	
Deletion	Addition
Range Ecology Management	Principles of Oil & Gas Production
Agribusiness Management & Marketing	Oil & Gas Production Systems I & II
Landscape Design & Turf Grass Management	Veterinary Medical Applications – Currently a Practicum of HS course

Association of Career & Technical Education
Region 5 Career Guidance Award

Jeanie Bragg – GHS

Future

- Marketing CTE/HB Graduation plan
  - Parents

- Job Placement Center

- TEKS Revision Focus Groups

- Jumpstart Program
  - Dual Credit Technical Program
  - Technical Competency Alignment

Denton ISD CTE Career Clusters

Endorsement	Cluster	Course Title	Campus	Block #	Grade	Credit
Business and Industry	Ag, Food & Natural Resources	Principles of Agriculture, Food, and Natural Resources	HS	C1010	9-12	1
		Advanced Animal Science (Advanced)	HS	C1035	11-12	1
		Agricultural Mechanics & Metal Technologies	HS	C1055	10-12	1
		Livestock Production	HS	C1040	11-12	1
		Equine Science	HS	C10313	10-12	1/2
		Principles and Elements of Floral Design	HS	C1012	9-12	1
		Landscape Design & Turf Grass Management	HS	C1025	10-12	1
		Wildlife, Fisheries & Ecology Management	HS	C1045	10-12	1
		Agricultural Facilities Design and Fabrication (Advanced)	HS	C1065	11-12	1
		Agricultural Power Systems (Advanced)	HS	C1060	10-12	1
		Agribusiness Management and Marketing (Advanced)	HS	C1017	10-12	1
		Small Animal Management	HS	C10303	10-12	1/2
		Range Ecology & Management (Advanced)	HS	C1050	10-12	1
	Architecture & Construction	Principles of Architecture & Construction	HS	C1510	9-12	1
		Architectural Design	HS	C1520	10-12	1
		Advanced Architectural Design (Advanced)	ATC	C1525	11-12	2
		Practicum in Architectural Design (Advanced)	ATC	C1530	12	2
		Construction Technology	HS	C1535	10-12	1
		Construction Management	HS	C1555	11-12	1
		Interior Design	HS	C1545	10-12	1
		Advanced Interior Design (Advanced)	HS	C1550	11-12	1
	Arts, Audio/Video Technology & Communication	Graphic Design & Illustration	ATC	C2050	11-12	2
		Advanced Graphic Design and Illustration (Advanced)	ATC	C2055	12	2
		Animation (Advanced)	ATC	C2040	11-12	2
		Advanced Animation (Advanced)	ATC	C2045	12	2
		Audio Video Production	ATC	C2030	11-12	2
		Advanced Audio Video Production (Advanced)	ATC	C2035	12	2
		Commercial Photography (Advanced)	ATC	C2020	11-12	2
		Advanced Commercial Photography (Advanced)	ATC	C2025	12	2
		Fashion Design	HS	C2060	11-12	1
		Advanced Fashion Design (Probs & Solutions) (Advanced)	HS	C2075	12	1
		Professional Communications	HS	C20703	9-12	1/2
	Business Management & Administration	Principles of Business, Marketing and Finance	HS	C2510	9-12	1
		Human Resources Management	HS	C2550	11-12	1
		Business Law (Advanced)	HS	C26003	11-12	1/2
		Global Business	HS	C26053	11-12	1/2
		Business Management (Advanced)	HS	C2650	10-12	1
		Practicum in Business Mgmt (ATC extra class)	ATC	C2700	12	2
		Touch System Data Entry (Keyboarding)	HS	C95153	9-12	1/2
		Business Information Management I (Advanced)	HS	C2010	9-12	1
		Business Information Management II (Advanced)	HS	C2015	10-12	1
	Finance	Principles of Business, Marketing and Finance	HS	C2510	9-12	1
		Accounting I	HS	C3510	10-12	1
		Accounting II (Advanced)	HS	C3550	11-12	1
		Securities And Investments	HS	C3750	10-12	1
	Hospitality and Tourism	Food Science (Advanced)	HS	C4500	11-12	1
		Culinary Arts (Advanced)	ATC	C4550	11-12	2
		Practicum in Culinary Arts (Advanced)	ATC	C4600	12	2
		Restaurant Management (Instructor Selection)	ATC	C4650	12	1
		Hospitality Services (Advanced)	ATC	C4700	11-12	2
		Practicum in Hospitality Services (Advanced)	ATC	C4750	12	2

Denton ISD CTE Career Clusters

Endorsement	Cluster	Course Title	Campus	Block #	Grade	Credit
Business and Industry	Information Technology	Digital and Interactive Media	HS	C5530	10-12	1
		CISCO Internetworking Tech I (Advanced)	ATC		11-12	1
		CISCO Internetworking Tech II (Advanced)	ATC		11-12	1
		Computer Maintenance	ATC	C5510	11-12	2
		Computer Technician (Advanced)	ATC	C5515	12	2
		IT Academy- Problems & Solutions 1	ATC	C55603	12	1
		IT Academy II- Problems & Solutions	ATC	C55653	12	1
	Manufacturing	Principles of Manufacturing	HS	C1515	9-12	1
		Precision Metal Manufacturing	ATC	C6510	11-12	2
		Advanced Precision Metal Manufacturing (Advanced)	ATC	C6515	12	2
		Welding	ATC	C6520	11-12	2
		Advanced Welding (Advanced)	ATC	C6525	12	2
	Marketing	Entrepreneurship	HS	C7010	10-12	1
		Advertising & Sales Promotion	HS	C70153	10-12	1/2
		Sports & Entertainment Marketing	HS	C70353	10-12	1/2
		Marketing Dynamics (COOP) (Advanced)	HS	C7020	11-12	3
		Marketing Dynamics II (Practicum) (Advanced)	HS	C7025	12	3
		Retailing and E-Tailing (sub class- teacher not cert up)	HS	C7030	10-12	1/2-1
	Transportation, Distribution and Logistics	Automotive Technology (Advanced)	ATC	C8010	11-12	2
		Advanced Automotive Technology (Advanced)	ATC	C8015	12	2
		Aircraft Technology (Advanced)	ATC	C8020	11-12	2
		Advanced Aircraft Technology (Advanced)	ATC	C8025	12	2
		Logistics, Planning and Management Systems (Advanced)	ATC	C8030	11-12	2
		Practicum in Transportation, Distribution & Logistics (Advanced)	ATC	C8035	12	2
STEM	Science, Technology, Engineering and Math	Year 1 - Intro. To Engineering Design (PLTW)	ATC		10-12	1
		Year 1 - Computer Integrated Manufacturing (PLTW) (Advanced)	ATC		10-12	1
		Year 2- Principles of Engineering (PLTW)	ATC		11-12	1
		Year 2- Digital Electronics (PLTW)	ATC		11-12	1
		Year 3 - Engineering-Scientific R&D- SCIENCE (Advanced)	ATC		12	1
		Year 3 - Engineering Design & Development (PLTW) (Advanced)	ATC		12	1
		Electronics	HS	C7540	10-12	1
		Advanced Electronics (Advanced)	ATC	C7545	11-12	2
		Practicum in STEM-Electronics	ATC	C7550	12	2
		Concepts of Engineering & Technology	HS	C7410	9-12	1
		Engineering Math (an applied 4th MATH) (Advanced)	ATC	C8525	12	1

Denton ISD CTE Career Clusters

Endorsement	Cluster	Course Title	Campus	Block #	Grade	Credit
Public Service	Education and Training	Principles of Education and Training	HS	C30103	9-12	1/2
		Human Growth and Development	HS	C3050	10-12	1
		Instructional Practices in Education and Training (Advanced)	ATC	C3055	11-12	2
		Practicum in Education and Training (Advanced)	ATC	C4010	12	2
	Government and Public Service	National Security (Advanced)	ATC	C6060	11-12	2
		Practicum in Local, State and Federal Government (Advanced)	ATC	C6065	12	2
	Health Science Technology	Principles of Health Science	HS	C4080	10-12	1
		Health Science	ATC	C4050	11-12	2
		Practicum in Health Science- Job Shadow (Advanced)	ATC	C4055	12	2
		Practicum in Health Science - C.N.A -Cert. Nursing Asst (Advanced)	ATC	C4060	12	2
		Practicum in Health Science - Pharmacology (Advanced)	ATC	C4065	12	2
		Practicum in Health Science- Pre Veterinary Medicine (Advanced)	ATC	C4070	12	2
		Pre-LVN - Anatomy & Physiology (sem 1) (Advanced)	ATC	C40901	12	1
		Pre-LVN Problems & Solutions (sem 2)	ATC	C40902	12	1
		Anatomy and Physiology (HS Science) (Advanced)	HS	20420	11-12	1
		Practicum in Health Science II (for duplicates) (Advanced)	ATC	C4077	12	2
	Human Services	Principles of Human Services	HS	C30153	9-12	1/2
		Food and Nutrition (Lifetime Nut. & Well)	HS	C4510	10-12	1
		Child Guidance (Advanced)	HS	C5025	10-12	1
		Child Development	HS	C5015	10-12	1
		Interpersonal Studies	HS	C50203	10-12	1/2
		Counseling and Mental Health (Advanced)	HS	C5035	10-12	1
		Dollars and Sense	HS	C50303	10-12	1/2
		Introduction to Cosmetology	ATC	C5040	11	1
		Cosmetology I (Advanced)	ATC	C5045	11	3
		Cosmetology II	ATC	C5050	12	3
		Cosmetology II (Problems and Solutions)	ATC	C5055	12	1
	Law, Public Safety, Corrections, & Securities	Principles of Law, Public Safety, Corrections & Security	HS	C6010	9-12	1
		Court Systems and Practices (Advanced)	ATC	C6015	11-12	2
		Correctional Services (Advanced)	ATC	C6035	12	2
		Law Enforcement I	ATC	C6025	11-12	2
		Law Enforcement II (Advanced)	ATC	C6030	12	2
		Practicum in Law, Public Safety, Corrections & Security (Advanced)	ATC	C6020	12	2
		Forensic Science - Science (Advanced)	ATC	C6040	11-12	1
		Disaster Response	ATC	C60453	11-12	1
Multidisiplinary		Four Advanced Level CTE Course				

Name of Certification / Licensure	Pass	Fail	Male	Female	Caucasian	Hispanic	African American	Asian	Native Hawaiian / Other Pacific Island	Am Indian	Two or More Races	Economically Disadvantaged Free/Reducted Meal Status	LEP	SpEd
Adobe Certified Associate - Photoshop CS5	6		1	5	5						1			
Adobe Certified Associate - Photoshop CS6	7			7	6		1					2		1
Adobe Certified Associate - Illustrator	20	2	10	12	11	9	2					9		
Adobe Certified Associte - Photoshop	3		2	1	3									
Adobe Flash CS5	4	4	6	2	5		1	1			1	3		
ASE Certification - Brakes	1	21	21	1	10	10				1	1	10	1	3
ASE Certification - Automotive Transmission & Transaxle	2	16	18		10	7					1	7	1	3
ASE Certification - Electrical - Electronic Systems	7	11	18		8	8				1	1	9	1	2
ASE Certification - Engine Performance	4	14	18		9	7				1	1	8	1	3
ASE Certification - Engine Repair	4	17	20	1	10	9				1	1	8	1	4
ASE Certification - Heating & Air Conditioning	4	18	21	1	9	11				1	1	11	1	3
ASE Certification - Maintenance & Light Repair	7	11	18		9	8					1	7	1	1
ASE Certification - Manual Drive Train & Axles		16	15	1	8	7					1	6	1	1
ASE Certification - Suspension & Steering	2	14	16		7	8					1	8	1	1
Cardiopulmonary Resuscitation - CPR	182		42	140	89	58	27	1		1	6	71	18	7
Certified Nurses Aide - C.N.A.	15			15	5	4	4				2	7		
Certified Pharmacy Technician	12	2	4	10	10	2	1	1				7		
Chemical Peel Certification	5			5		5						4	1	
College Credit - PLTW	16	8	20	4	16	5	1				2	7		
Communiy Emergency Response Team - CERT	21		10	11	15	4	2					4		
Corrective Make Up Certification	23		1	22	6	14	2				1	14	5	
Cosmetology Operators License	22		4	18	9	13						12		2
Electronics Service Associate - ESA-1: DC - ISCET	13	2	15		12	3						4		
Electronics Service Associate - ESA-2: AC - ISCET	2	4	6		6							2		
Eyelash Extension Certification	19		1	18	4	11	2				2	10	2	
NIMS Lathe Operator Certification	1		1			1						1		
NIMS Layout Certification	5	2	7		6	1						1		1
NIMS Mill Operator Certification	2	2	4		3	1								
NIMS Safety Certification	7		7		6	1						1		1
Nylynn Body Wrap Certification	18		1	17	3	11	2				2	11	2	
Nylynn Skin Care Certification	58		6	52	22	31	3				2	28	5	3
Occupational Safety Health Administration - OSHA	100	13	108	5	63	39	2	7		1	1	36	16	10
OPI Nail Certification	57		6	51	22	30	3				2	27	5	3
Serv-Safe Certification	13	7	7	13	10	3	6	1				11	1	1
Grand Total	662	184	434	412	417	321	59	11		7	31	346	64	50