



Career Technical Education

Keller ISD – Casey Stone, Director of CTE, Innovation, & Virtual Learning

KISD CTE Mission

- The mission of the Keller Career and Technical Education Department (CTE) is to offer a challenging academic and technical skills program that will prepare young people to function as successful citizens of the community.

The KISD CTE program is designed to:

- Discover their passion
- Cultivate their talents
- Prepare for their future
- Make Math, Science, Social Studies, and Language Arts relevant through real-world application



Career Clusters *Information Tech and Public Admin added in 2014

	CHS	FRHS	KHS	TCHS
Career Development	✓	✓	✓	✓
Agriculture, Food & Natural Resources				✓
Architecture & Construction	✓	✓	✓	✓
Arts, AV Technology & Communication	✓	✓	✓	✓
Business, Management & Administration	✓	✓	✓	✓
Education & Training	✓	✓	✓	✓
Finance	✓	✓	✓	✓
Health Science	✓	✓	✓	✓
Hospitality& Tourism	✓	✓	✓	✓
Human Services	✓	✓	✓	✓
Law, Public Safety, Corrections and Security		✓		
Marketing, Sales & Services	✓		✓	
Science, Technology, Engineering & Mathematics	✓	✓	✓	✓
Transportation, Distribution & Logistics	✓	✓	✓	✓

Coherent Sequence of Courses

Personal Graduation Plan

Personal Graduation Plan (8th graders- 4 year plan, 10th graders- extend to 6 year plan)

Principles

Students begins with a Principles of course which is an overview of several career pathways in a Career Cluster

Content

Students enroll in a content specific course which focuses on skills and knowledge of their career pathway

Advanced

With the Content course as a prerequisite, the Advanced course which provides more advanced specific instruction

Work Based Learning

Finally, a practicum or work based learning course provides on the job training



2012 vs. 2013 Fall CTE Enrollment

Career Clusters	2012	2013
Agriculture, Food & Natural Resources	170	156
Architecture & Construction	51	33
Arts, A/V Technology & Communications	1640	1780
Business, Management & Administration	691	739
Education & Training	218	249
Finance	438	497
Government & Public Administration	0	0
Health Science	1043	1094
Hospitality & Tourism	390	459
Human Services	912	714
Information Technology	0	3
Law, Public Safety, Corrections & Security	93	109
Manufacturing	0	0
Marketing, Sales & Service	183	384
Science, Technology, Engineering & Mathematics	1126	1891
Transportation, Distribution & Logistics	14	25



Interest Survey Results

Career Clusters	Total
Agriculture, Food & Natural Resources	225
Architecture & Construction	450
Arts, A/V Technology & Communications	598
Business, Management & Administration	136
Education & Training	852
Finance	122
Government & Public Administration	335
Health Science	776
Hospitality & Tourism	641
Human Services	698
Information Technology	580
Law, Public Safety, Corrections & Security	681
Manufacturing	328
Marketing, Sales & Service	988
Science, Technology, Engineering & Mathematics	512
Transportation, Distribution & Logistics	329



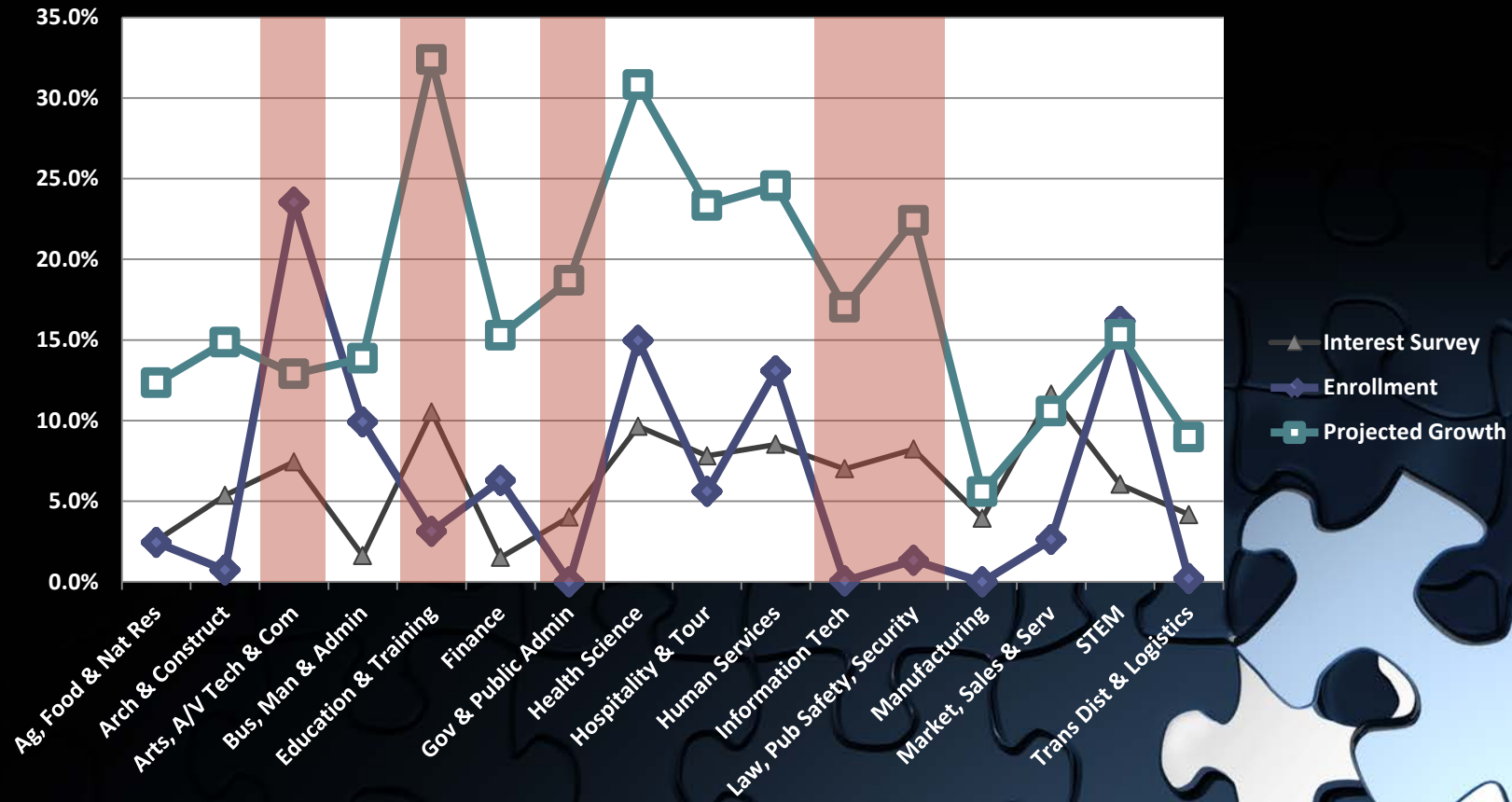
Regional Projected Percentage Growth to 2018

Career Clusters	Projected Growth
Agriculture, Food & Natural Resources	12.3%
Architecture & Construction	14.9%
Arts, A/V Technology & Communications	12.9%
Business, Management & Administration	13.9%
Education & Training	32.3%
Finance	15.3%
Government & Public Administration	18.7%
Health Science	30.8%
Hospitality & Tourism	23.3%
Human Services	24.5%
Information Technology	17.0%
Law, Public Safety, Corrections & Security	22.4%
Manufacturing	5.6%
Marketing, Sales & Service	10.6%
Science, Technology, Engineering & Mathematics	15.3%
Transportation, Distribution & Logistics	9.0%



Comparison

Enrollment to Interest Surveys to Projected Growth



CTE Funding

- Weighted ADA Funding
 - Students enrolled in a CTE course generate state funding with a 1.35 multiplier

	Regular	CTE
30 students	\$23,947	\$32,329

- **CTE PEIMS code 1, 2, 3 for categorizing CTE enrollees**
- **V code for CTE minutes per day**

- Carl D. Perkins Career and Technical Education Act Grant Federal Grant
 - Allotment is based on census results
 - Courses aligned in a coherent sequence in a career pathway

KISD CTE Students by code

2013-2014	9th	10th	11th	12th	
CTE 1	783	1112	1229	918	4042
CTE 2	371	379	352	511	1613

2012-2013	9th	10th	11th	12th	
CTE 1	1116	1364	878	805	4163
CTE 2	1	87	670	459	1217

Performance Based Monitoring Data

	2013 CTE	2013 District	2013 State	2012 CTE	2012 District	2012 State
DAP Diploma Rate	82.4%	79.4%	80.5%	82.8%	77.5%	80.1%
Graduation Rate	97.8%	94.9%	87.7%	96.9%	93.8%	85.9%



CTSO

Career Technical Student Organizations



House Bill 5 Measures

21st Century Workforce Development

CTE enrollment

Certifications by students prior to graduation

CTE endorsements

CTE Strands

Career awareness programs

Advanced CTE enrollment

Active business partners of CTE

Active college partners of CTE

Digital Learning Environment

Online course registration / completion rates in which students are granted credit



Virtual Course Delivery

House Bill 5 creates a necessity of online curriculum for:

- Distance Dual Credit enrollment with college partners
- Instruction of KISD students outside of the district network
- Credit opportunities for courses in endorsements for which KISD lacks FTE instructors
- Greater course offerings at secondary level



Areas for Improvement

- Institute district-wide 4 year planning
- Increase partnerships with community and colleges
- Increase alignment to industry standards
- Increase academic support for Special Ed, Limited English, and Economically Disadvantaged CTE populations
- Develop Virtual Curriculum and Instruction presence to fit the variable needs of all learners





Questions?