



BOARD OF SCHOOL TRUSTEES

KELLER INDEPENDENT SCHOOL DISTRICT

11B. Report

Date: January 15, 2009

SUBJECT: CAREER/TECHNOLOGY EDUCATION PROGRAM (CTE)

BOARD GOAL: All students will achieve educational excellence.

FISCAL NOTE: None

Background Information:

- KISD offers fifteen federally defined Career Clusters (attached)
- KISD offers 98 CTE courses
- Approximately 6700 students enrolled in CTE courses in fall of 2008
- Fourteen CTE licensures/certifications offered through CTE courses: National Center for Construction Education & Research (NCCER) Welding, Carpentry, Construction Technology, Electrical, Final Cut Pro, MOS-Word, Excel, Access, and PowerPoint, Certified Nurse Aide, Certified Pharmacy Technician, Serv-Safe, Cosmetology Operator License, A+, Internetworking Cisco Networking Devices (ICND) #1 & Internetworking Cisco Networking Devices (ICND) #2
- Certified Medical Assistant and Phlebotomy Technician certifications proposed for the 2009-2010 school year

Administrative Considerations:

- Forty-two students passed the Microsoft Office Users Specialist (MOS) Exam in 2008 compared to nine students in 2007.
- Gateway to Technology students entered the Future City Competition sponsored by the International Society for Technology in Education.
- For the first year KISD Health Occupations Students Organization (HOSA) students will be participating at the regional level in parliamentary procedure and medical terminology contests.
- For the first year (spring 2008) KISD offered Health Science Technology III and 100% of the students passed the Certified Nurses Aide (CNA) certification test. For spring 2009 fifteen students are enrolled and studying for the (CNA) test.
- The Distributive Education Clubs of America (DECA) program at CHS had 85 members last year, and this year the DECA group has 180 members. Thirty students will compete at the state competition this spring. Four students participated at the state competition last year.

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Respectfully submitted,
Sheila Grubbs
Director of Career & Technical Education

Agriculture, Food and Natural Resources Pathway

Course Name	Credits	Grade Levels	End of Program Licensure/Certification
Agricultural Metal Fabrication Technology	0.5	10-12	***NCCER Welding Certification
Animal Science	0.5	10-12	
Applied Agricultural Science and Technology	0.5	9-12	
Equine Science	0.5	9-12	
Food Technology	0.5	9-12	
Horticultural Plant Production	0.5	9-12	
Introduction to Agricultural Mechanics	0.5	10-12	
Introduction to Horticultural Sciences	0.5	9-12	
Introduction to World Agricultural Science and Technology	0.5	9-12	
Landscape, Design, Construction and Maintenance	0.5	9-12	
Wildlife and Recreation Management	0.5	9-12	
***National Center for Construction Education & Research			

Architecture Construction Pathway

Course Name	Credits	Grade Levels	End of Program Licensure/Certification
Housing	0.5	10-12	
Building Trades I (Birdville ISD)	2	9-12	
Building Trades II (Birdville ISD)	2	9-12	NCCER**Certification Carpentry, Construction Technology, Electrical
Home Maintenance & Improvement	0.5	9-12	
Interior Design	0.5	10-12	
Architectural Graphics	1	10-12	
**National Center for Construction Education & Research			

Arts, A/V Technology Communication Pathway

Course Name	Credits	Grade Levels	End of Program Licensure/Certification
Introduction Media Technology	1	9-12	
Media Technology I	2	11-12	Final Cut Pro
Computer Multimedia Animation Technology	1	9-12	
Media Technology II	2	12	Final Cut Pro
Communication Graphics	1	10-12	

Business Management Administration Pathway

Course Name	Credits	Grade Levels	End of Program Licensure/Certification
Keyboarding	0.5	9-12	
Business Communication	0.5	10-12	
Business Computer Information Systems I	1	9-12	MOS-Word, Excel, Access, and Powerpoint
Introduction to Business	.5-1.0	9-12	
Business Law (at FRHS & KHS)	0.5	11-12	
Business Computer Information Systems II	1	10-12	MOS-Word, Excel, Access, and Powerpoint
Business Management	0.5	10-12	
Business Ownership	0.5	10-12	
Administrative Procedures I	3	11-12	
Administrative Procedures II	3	12	
International Business	1	10-12	

Education Training Pathway

Course Name	Credits	Grade Levels	End of Program Licensure/Certification
Child Development	0.5	10-12	
Ready, Set, Teach! I	1	11-12	
Ready, Set, Teach! II	2	12	

Finance Pathway

Course Name	Credits	Grade Levels	End of Program Licensure/Certification
Recordkeeping	0.5	9-12	
Accounting I	1	10-12	
Banking & Financial Systems	0.5	11-12	
Accounting II	1	11-12	

Government Public Administration Pathway

Course Name	Credits	Grade Levels	End of Program Licensure/Certification
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**** KISD currently does not offer any courses in the Pathway.**

Health Science Pathway

Course Name	Credits	Grade Levels	End of Program Licensure/Certification
Introduction to Health Science Technology	0.5	9-12	
Health Science Technology I	1	10-12	
Health Science Technology II	2	11-12	
Health Science Technology III (at CHS)	2	11-12	Certified Nurse Aide
Medical Terminology	0.5	9-12	
Health Science Independent Study (at CHS)	1	12	Certified Pharmacy Technician
Medical Microbiology	0.5	11-12	
Pathophysiology	0.5	11-12	
Anatomy and Physiology of Human Systems	1	11-12	
Scientific Research and Design: Forensics	1	12	
Mental Health	0.5	11-12	
			Certified Medical Assistant (CMA) (proposed for 2009 - 2010 school year @ KHS) Phlebotomy Technician (proposed for 2009 - 2010 school year @ FRHS)

Hospitality Tourism Pathway

Course Name	Credits	Grade Levels	End of Program Licensure/Certification
Travel and Tourism Marketing	0.5	10-12	
Nutrition and Food Science	0.5	10-12	
Food Science and Technology	0.5	10-12	
Culinary Arts I	2-3	11-12	Serv-Safe
Culinary Arts II	2-3	12	Serv-Safe

Human Services Pathway

Course Name	Credits	Grade Levels	End of Program Licensure/Certification
Personal and Family Development	1	9-12	
Individual and Family Life	0.5	10-12	
Child Development	0.5	10-12	
Preparation for Parenting	0.5	10-12	
Management (at CHS & NDLC)	0.5	9-12	
Consumer and Family Economics	0.5	10-12	
Apparel	0.5	10-12	
Cosmetology I (Birdville ISD)	3	11-12	
Cosmetology II (Birdville ISD)	3	9-12	Cosmetology Operator License
Parenting Education for School Age Parents I (NDLC)	.5-2	9-12	
Parenting Education for School Age Parents II (NDLC)	.5-2	10-12	

Information Technology Pathway

Course Name	Credits	Grade Levels	End of Program Licensure/Certification
Introduction to Computer Maintenance	1	10-12	A+
Business Image Management & Multimedia	1	9-12	
Internetworking Technologies I (Cisco Academy)	2	11-12	CCENT (or ICND #1)
Computer Cable and Design (I/PNIE)	2	11-12	
Internetworking Technologies II (Cisco Academy)	1	12	ICND #2
			The ICND #1 and the ICND #2 equals the CCNA certification

Law, Public Safety, Corrections Security Pathway

Course Name	Credits	Grade Levels	End of Program Licensure/Certification
Crime in America (FRHS)	0.5	9-12	
Fundamentals of Criminal Law (FRHS)	1	10-12	
Criminal Investigation (FRHS)	1	11-12	
Introduction to Security Services (FRHS)	0.5	9-12	
Security Services (FRHS)	1	12	
Fundamentals of Criminal Law (FRHS)	1	10-12	
Technical Introduction to Criminal Justice (FRHS)	0.5	9-11	

Manufacturing Pathway

Course Name	Credits	Grade Levels	End of Program Licensure/Certification
Technology Systems (Computer Lab Based) Pre-Engineering I	1	9-12	
Engineering Principles (Pre-Engineering II)	1	10-12	

Marketing, Sales, Service Pathway

Course Name	Credits	Grade Levels	End of Program Licensure/Certification
Marketing Yourself	0.5	9-12	
Entrepreneurship	1	10-12	
Principles of Marketing	0.5	10-12	
Retailing	0.5	9-12	
Advertising	0.5	11-12	
Sports and Entertainment Marketing	0.5	11-12	
Fashion Marketing	0.5	10-12	
Marketing Management	3	11-12	

Science, Technology, Engineering Mathematics Pathway

Course Name	Credits	Grade Levels	End of Program Licensure/Certification
Gateway to Technology (PLTW) (Middle School)	1	8	
Introduction to Engineering Design (PLTW) (at KHS)	1	9-10	
Principles of Engineering (PLTW) (at KHS)	1	10-12	
Engineering Design and Development (PLTW) (at KHS)	1	12	
Aerospace Engineering (PLTW) (at KHS)	1	11-12	
Engineering Graphics	1	10-12	

Transportation Distribution Logistics Pathway

Course Name	Credits	Grade Levels	End of Program Licensure/Certification
Aircraft Mechanics I (TCC)	3	12	
Aircraft Mechanics II (TCC)	3	12	
Automotive Technician I (Birdville ISD)	2	10-12	
Automotive Technician II (Birdville ISD)	2	10-12	

Career Development and Middle School

Course Name	Credits	Grade Levels	End of Program Licensure/Certification
Career Investigation (Middle School)		8	
Career Preparation I (Co-op)	3	11-12	
Career Preparation II (Co-op)	3	11-12	