

Proposed New Course Offerings for 2006-2007

Course Title	Description	Rationale	Proposal to add (+) or delete (-)	Budget Impact:	L= Local S=State I=Innovative
<p>ROTC I</p> <p>Aerospace Science I (AS-1)</p>	<p>This social science course is designed to acquaint the student with the historical development of flight and the role of the military in history. Over half of the course describes the makeup of the aerospace community and the United States Air Force. Many of the sixty hours dedicated to leadership studies relate directly to the academic subject matter, with study habits and time management. Wearing of the uniform, customs and courtesies, and basic drill skills are introduced</p>	<p>The Junior Reserve Officer Corps (JROTC) is a four year program for high school students.</p> <p>Studies in JROTC are divided into two categories: academics and military leadership. Academic studies include four years of studies in the histories and sciences, including Geography, government, Health and Study Techniques. Studies in military leadership include Military Customs, and Courtesies, Cadet Corps Activities, Study Habits, Time Management, Communication Skills, Leadership and Management Studies and The Rights, Responsibilities, and Privileges as American Citizens.</p>	<p>+</p>	<p>Uniforms and equipment are provided for the cadets at no expense to them by the respective military units on campus.</p> <p>Already employ a teacher to teach these courses.</p>	<p>One and on/half credits of JROTC may be substituted for one and one/half required credits of Physical Education. Credit for Health can be earned by completing JROTC I-III.</p> <p>PEIMS #03160100</p> <p>CHS</p>

<p>ROTC II</p> <p>Aerospace Science II (AS-2)</p>	<p>This science course is designed to acquaint the student with navigation and human limitations of flight. The course begins with a discussion of the atmosphere and weather. The study is expanded to include the planets and space beyond our solar system. After developing an understanding of the environment, how that environment affects flight is introduced. Discussions include the forces of lift, drag, thrust and weight. Students also learn basic navigation including map reading, course plotting, and the effects of wind. The portion on the Human Requirements of flight is a survey course on human physiology. Discussed here are the human circulatory system, the effects of acceleration and deceleration, protective equipment, and the space environment. Leadership hours stress communications skills and cadet corps activities. Written reports and speeches complement academic materials. Cadet corps activities include holding positions of greater responsibility in the planning and executing of corps projects.</p>	<p>Additionally, extracurricular after-school activities provide the proving ground for newly learned leadership skills. Activities such as drill team, color guard, physical fitness, model rocketry clubs, academic competitions, orienteering competitions and the formal cadet corps' operation all require officers with considerable responsibilities.</p> <p>The JROTC program is based on the military service associated with the military unit at the respective school. It is <i>not</i> designed to recruit students for the military. Its mission is to promote good citizenship and public service. This is accomplished by using the cadet corps for motivational training and as a leadership laboratory.</p>	<p>+</p>		<p>PEIMS #03160200</p>
<p>ROTC III</p> <p>Aerospace Science III (AS-3)</p>	<p>5115 Aerospace Science IV (AS-4)</p>	<p>The fourth year is a civics course. Subjects covered include civil aviation's primary features and impact on our society, careers available in the</p>	<p>+</p>		<p>PEIMS #03160300</p>

		<p>civil and military aerospace community, and descriptions and uses of modern aerospace vehicles. The civil aviation portion of the course adds to the basic knowledge of the aerospace industry given in AS-1. This information sets the stage for the discussion on careers in aerospace. The careers section not only describes career options and education possibilities, it also provides practical advice for the new job hunter. The academic section tune developing communication skills and top-level cadet corps jobs provide a laboratory to experiment with newly learned leadership and management skills.</p>			
<p>ROTC IV Aerospace Science IV (AS-4)</p>	<p>The fourth year is a civics course. Subjects covered include civil aviation’s primary features and impact on our society, careers available in the civil and military aerospace community, and descriptions and uses of modern aerospace vehicles. The civil aviation portion of the course adds to the basic knowledge of the aerospace industry given in AS-1.</p>		+		<p>PEIMS #03160400</p>

	<p>This information sets the stage for the discussion on careers in aerospace. The careers section not only describes career options and education possibilities, it also provides practical advice for the new job hunter. The academic section tune developing communication skills and top-level cadet corps jobs provide a laboratory to experiment with newly learned leadership and management skills.</p>				
<p>ROTC V Aerospace Science V (AS-5)</p>	<p>This course studies civil aviation and its impact on society, careers in aviation, and the description and use of modern aerospace vehicles.</p>		+		Local elective
<p>ROTC VI Aerospace Science VI (AS-6)</p>	<p>This course is a continuation of Aerospace Science V.</p>		+		Local elective
<p>Criminal Investigation</p>	<p>Basic understanding of investigative theory, collection, and preservation of evidence, and sources of information</p>	<p>To teach classes in the Law, Public Safety & Security Career cluster – The state is strongly recommending that CTE programs include courses in all of the 16 Career Clusters. At the present time Keller ISD does not offer courses in this Career Cluster.</p>	+	<p>One teacher is needed to teach the following six criminal justice courses. All supplies, textbooks, and resources will be paid from the CTE local and federal budget.</p> <p>\$49,500 FTE</p>	<p>Trade & Industrial Education Course PEIMS ½-1 credit</p> <p>FRHS</p>

Fundamentals of Criminal Law	Study of the nature of criminal law, its philosophical and historical development with major definitions and concepts		+		Trade & Industrial Education Course PEIMS #12568707 ½-1 credit
Crime In America	Introduce students to American crime problems in a historical perspective; social policy affecting crime; crime trends		+		Trade & Industrial Education Course PEIMS #12568704 ½-1 credit
Technical Introduction to Criminal Justice	Studies the history and philosophy of criminal justice and its ethical consideration; overview of the criminal justice system		+		Trade & Industrial Education Course PEIMS #12568708 ½- 1 credit
Introduction to Security Services	History, philosophy of security and ethical considerations; nature and impact of security; an overview of security systems		+		Trade & Industrial Education Course PEIMS #12568709 ½-1 credit
Security Services	A pre-employment laboratory course designed to provide job specific training for entry-level employment in security services and alarm installer careers		+		Trade & Industrial Education Course PEIMS #12568710 ½-1 credit
Diversified Career Preparation II	An instructional arrangement which develops essential knowledge and skills through classroom instruction and on-the-job training in an approved area.	This course follows Diversified Career Preparation I. Students continue to enhance their learning with the addition	+	Already employ teacher to teach this course – All supplies and equipment needed for the class	Career and Technology Approved Innovative Course PEIMS

		of the second course.		will be purchased with Career Technology Education local and federal funds.	# State will assign All HS Campuses
Management	Management of resources, managing multiple roles within the life span, and career options and preparation	To provide students another elective option for students at New Direction Learning Center	+	Already employ teacher to teach this course – All supplies and equipment needed for the class will be purchased with Career Technology Education local and federal funds.	Family & Consumer Sciences Education PEIMS #12206210 New Direction Learning Center
Ready, Set, Teach! II	Combines advanced academic instruction and field experiences in child development theories, learning activities, program management, curriculum planning, teaching and leadership	This course follows Ready, Set, Teach! I. Students continue to enhance their learning with the addition of the second course.	+	Already employ teacher to teach this course – All supplies and equipment needed for the class will be purchased with Career Technology Education local and federal funds.	Career and Technology Approved Innovative Course PEIMS #N1220308 All HS Campuses
Health Science Technology III	Occupationally specific course designed to provide knowledge and skills for certification or licensure in an allied health career- Students may need to take a drug test and have a background check before doing clinicals- Students will pay a fee to take the state examination test for Certified Nurses Aid.	This class will enable students to take their state certification examination to acquire their Certified Nurses Aid License (CNA)	+	Already employ teacher to teach this course – This course will be taught through a business partnership with Baylor/Grapevine Hospital.	Health Science Technology Education PEIMS #12101500 CHS

Home Maintenance and Improvement	Develop the skills and knowledge needed to improve and maintain the urban or rural home and adjacent buildings including the analysis of repair needs and use of approved safety techniques	Because the Agriculture Science Program at Keller High School was reduced from two teachers to one teacher this year, the current teacher feels the course meets the needs of the students.	+	Already employ teacher to teach this course – All supplies and equipment needed for the class will be purchased with Career Technology Education local and federal funds.	Agricultural Science and Technology Education PEIMS #11921222 ½ credit KHS
Landscape, Design, Construction, and Maintenance	Develop the skills in the design, construction, and maintenance of planted areas and devices for the beautification of home grounds	Because the Agriculture Science Program at Keller High School was reduced from two teachers to one teacher this year, the current teacher feels the course meets the needs of the students	+	Already employ teacher to teach this course – All supplies and equipment needed for the class will be purchased with Career Technology Education local and federal funds.	Agricultural Science and Technology Education PEIMS #11923361 ½ credit KHS
Introduction to Hospitality and Tourism	Students learn about tourism sites in the US as well as all over the globe while learning about a fast growing profession with many career opportunities	As one of the world’s largest industries, hospitality and tourism offers a wide variety of career choices to employees at every experience level. According to the US Department of Labor, employment was at an all-time high of 12,125,000 in 2003. Moreover, the employment boom is expected to continue.	+	One teacher to teach the three Hospitality and Tourism courses – All supplies and equipment needed for the class will be purchased with Career Technology Education local and federal funds. \$49,500 FTE	Career and Technology Approved Innovative Course PEIMS #N1242055 KHS

(National Academy Foundation) Academy of Hospitality and Tourism I	Students begin a course study that will allow them to be part of industry partnerships offering mentoring, job shadowing and paid internships	The need for academic instruction and practical industry-related work experience to prepare young people to enter this exciting field is more critical than ever.	+	All supplies and equipment needed for the class will be purchased with Career Technology Education local and federal funds.	Career and Technology Approved Innovative Course PEIMS # State will assign
(National Academy Foundation) Academy of Hospitality and Tourism II	Students continue their study of the travel, hospitality, lodging and cruise industries. They learn how to plan and book travel through CRS as well the internet	With more than 500 travel-related companies participating as business partners, the Academy fosters the personal, analytical, technical and communications skills needed for a career path in hospitality and tourism	+	All supplies and equipment needed for the class will be purchased with Career Technology Education local and federal funds	Career and Technology Approved Innovative Course PEIMS # State will assign
Introduction to Media Technology	Students are introduced to media technology, commercial photography, advertising design, and computer generated graphics	This course would replace Advanced Broadcast Journalism I. Since this is a Career Technology Education Course KISD would receive additional funding to teach this course. The additional funding would allow the teacher to purchase equipment and supplies.	+	One teacher for the next two courses All supplies and equipment needed for the class will be purchased with Career Technology Education local and federal funds \$49,500 FTE \$10,000 Equipment	Trade and Industrial Education PEIMS #12512304 ½-1 credits CHS
Media Technology I	Instruction is designed to provide job-specific training for entry level employment in movie, video, and television production careers. Instruction includes operation of different types of cameras, mastery of audio techniques and etc.	This course would replace Advanced Broadcast Journalism II. Since this is a Career Technology Education Course KISD would receive additional funding to teach this	+	All supplies and equipment needed for the class will be purchased with Career Technology Education local and federal funds	Trade and Industrial Education PEIMS #12512301 2-3 credits

		course. The additional funding would allow the teacher to purchase equipment and supplies.			
Introduction to Geographic Information Systems	A computer course that is the foundation for certification in the field of GIS. Students will use software used by NASA along with local satellite photos to learn about their community.	The purpose of this class is to introduce students to Geographic Information Systems (GIS) and Remote Sensing (RS) technology through academic study and applied instruction. This course is the foundation for the Stars Entry-level GIS Technician Certification. Students will participate in structured, applied learning exercises taken from existing data sources, as well as conduct new studies of these data sources through self-driven analysis	+	One teacher needed for the next two courses - All supplies and equipment needed for the class will be purchased with Career Technology Education local and federal funds.	Career and Technology Approved Innovative Course PEIMS #N1251171 ½ credit
				\$49,500 FTE	CHS or FRHS
Geography in Global Positioning Systems and Geographical Information Systems	Builds on the skills learning in Introduction to GIS and applies toward certification. Students will learn the skills required to work on and/or build a GIS/Remote Sensing project. Students will follow a course of hands-on instruction to learn skills ranging from intro digital mapping to 3D mapping and image analysis.	The purpose of this class is to help the student learn the skills required to work on and/or build a Geographic Information system/Remote Sensing project (GIS/RS). Students and teachers will follow a course of hands on instruction to learn skills ranging from introductory digital mapping to image analysis.	+	All supplies and equipment needed for the class will be purchased with Career Technology Education local and federal funds	Career and Technology Approved Innovative Course PEIMS # to be assigned by the state ½ credit

Panduit Network Infrastructure Essentials (PNIE)	<p>Students will develop skills in reading network design documentation, part list set up and purchase, pulling and mounting cable, cable management, choosing wiring closets and patch panel installation and termination as well as installing jacks and cable testing. A PNIE certification will be available for the student.</p>	<p>The PNIE course is in line with and supports the Cisco CCNA course and vice-versa. Any student who takes the PNIE course will be better prepared to take the Cisco CCNA course. There will also be a PNIE industry certification. A demand for certified installers of network data and voice, copper and fiber optic cabling exists in the industry.</p>	<p>+</p>	<p>Already employ teacher to teach this course -- All supplies and equipment needed for the class will be purchased with Career Technology Education local and federal funds</p>	<p>Career and Technology Approved Innovative Course – 1 credit</p> <p>CHS</p>
AP Physics B	<p>To offer AP Physics B as a first year physics course.</p>	<p>To enhance the class enrollments for the AP Physics B and C courses. To date our class enrollments for the pre-AP physics have been increasing. If we can avail ourselves of this pool of students and offer to them a more rigorous curriculum, this will provide them with the preparation they will need to advance to the next level, AP Physics C.</p>	<p>+</p>	<p>Already employ teachers to teach this course.</p>	<p>PEIMS #A3050001</p> <p>Will offer only if we can be in compliance with TEA regulations for perquisites.</p>
AP Human Geography	<p>The purpose of the AP Human Geography course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use and alterations of the earth’s surface. Students employ spatial concepts</p>	<p>An additional AP course for elective history credit that will provide more options for students.</p>	<p>+</p>	<p>Already employ teachers to teach this course.</p>	<p>PEIMS #A3360100</p>

	and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice.				
Spanish Literature for Proficient Spanish Speakers	This course will prepare proficient Spanish speaking students to take the Spanish Literature AP Exam.	Taking and passing two AP exams will meet two of the advanced measure requirements for Texas Scholars.	+	Already employ teachers to teach this course.	Local credit 9 weeks
Middle School Art Portfolio	This course will allow students more time to learn art concepts and explore a variety of art materials. This course will also allow students more time to complete their artwork for Jr. VASE and their pre-AP Art portfolio. The students will turn in a portfolio of various artworks including a drawing from observation, a value drawing, and a color drawing to their art teacher during the spring semester.		+	Already employ teachers to teach this course.	Local elective
One Level of 7th and 8th grade Math and Social Studies	The grade-level content area TEKS were taught in three instructional levels. The elimination of the lowest instructional level is proposed. This plan raises expectations of students in the lowest track to the	On November 8, 2005 Department Leaders from each high school and each middle school met to create a plan for meeting the needs of students at the	-		

	<p>instructional expectations of the “Enriched” classes and raises the expectation of students who choose to participate in Pre-AP level classes. This plan will better prepare our students to be successful in high school AP Courses.</p>	<p>secondary level. The participants met in a large group setting and then divided into vertical teams in each content area. The teams came to consensus with a recommendation that the lowest instructional level should go away with the understanding that the instruction for “regular” be replaced with the instruction for “Enriched.”</p>			
<p>Advanced Animal Science</p>	<p>A course designed to examine the interrelatedness of human, scientific, and technological dimensions of livestock production. Instruction is designed to expand one’s knowledge of the scientific and technological dimensions of resources necessary for animal production</p>	<p>This course and the following two classes are replaced with 9 week courses. This allows the students to take the course in which they have an interest and gain knowledge and skills for specific occupations in the horticulture industry.</p>	-	<p>Instead of teaching this course and the following two courses the already employed agricultural teacher will teach Landscape, design, construction, and maintenance, and Home Maintenance and Improvement</p>	<p>Agricultural Science and Technology Education PEIMS #11923336 ½ credit</p>
<p>Horticulture</p>	<p>Laboratory course that prepares students to produce, process and market horticulture plants used principally for ornamental and aesthetic purposes and to establish, maintain and manage horticultural enterprises.</p>		-		<p>Agricultural Science and Technology Education PEIMS #11934461 1 credit</p>
<p>Plant and Animal Production</p>	<p>This course includes principles of animal and plant production and the management of soils as related to agriculture.</p>		-		<p>Agricultural Science and Technology Education</p>

					PEIMS #11921231 ½ credit
Advanced Broadcast Journalism I	This course serves a preparation in journalism for the student interested in television broadcasting, allowing experience in writing, directing, editing, and video production and performance of daily news.	Instead of teaching this course Introduction to Media Technology will be taught. Introduction to Media Technology is a Career Technology Education course that will allow KISD to receive additional funding	-		Journalism PEIMS #03231900
Advanced Broadcast Journalism II	This staff will provide television broadcasting, allowing experience in writing, directing, editing, and video production and performance of daily news.	Instead of teaching this course Media Technology I will be taught. Media Technology I is a Career Technology Education course that will allow KISD to receive additional funding	-		Journalism PEIMS #03231901
Advanced Broadcast Journalism III	This staff will provide television broadcasting, slowing experience in writing, directing, editing, and video production and performance of daily news.	This course will be not replaced.	-		Journalism PEIMS #03231902