

Future Ready Planning Guide



ARTS & HUMANITIES



INDUSTRY CERTIFICATIONS



STUDENT ORGANIZATIONS



BUSINESS & INDUSTRY



ADVANCED PLACEMENT



COMPETITION OPPORTUNITIES



PUBLIC SERVICE



COLLEGE DUAL CREDIT



HIGH WAGE CAREERS



STEM



PRACTICUM EXPERIENCES



HIGH NEED CAREERS

FOUR STEPS TO BEING FUTURE READY

Finding your focus

CHOOSE A GRADUATION PLAN

1

Determine which graduation plan you would like to pursue during your high school career.

- Are you planning on attending a four-year college or university?
- Do you want to earn industry certifications during high school in efforts to obtain a job after graduation?
- Do you want to graduate in the top 10% of your high school class?

2

CHOOSE YOUR ENDORSEMENT

Determine which endorsement you would like to obtain during your high school career.

- What types of jobs are you most interested in?
- What are your favorite subjects in school?
- What do you want to learn more about?

3

CHOOSE YOUR FOCUS

Determine which endorsement focus pathway you would like to take during your high school career.

- What do you want to be when you grow up?
- What is your interest?
- What do you want to learn more about?

4

THE PATH TO BEING FUTURE READY

Determine what other opportunities you want to experience during your high school career.

- Do you want to take dual credit courses for college credit in high school?
- What student organizations do you want to be involved in?
- What other courses would you like to take that interest you?

KISD High School Graduation Plans

Subject	Credit & Course Requirements					
English Language Arts		4 Credits (English I, English II, English III and an Advanced English)				
Mathematics	(Alge	4 Cr bra I, Geometry, Algebra	redits a II and fourth Advance	ed Math)		
Science	(Biology, G	4 Credits (Biology, Chemistry or Physics, a third and fourth Advanced Science)				
Social Studies	3 Credits (World Geography or World History, U.S. History and Government and Economics)					
Languages Other Than English (LOTE)	2 Credits Spanish					
Fine Arts		1 Credit				
Physical Education	1 Credit					
Electives / Endorsement	Endoi	7 Credits .5 credit Speech, 1 credit Technology (This includes a minimum of four Endorsement Credits from one of the endorsement options)				
TOTAL CREDITS		26 CF	REDITS			
Assessment Mastery	End-Of-Course Exams (English I, English II, Algebra I, Biology, and US History)					
Endorsement Options	HUMANITIES- includes courses related to social sciences, world languages, cultural studies, English literature, history and fine arts.	BUSINESS & INDUSTRY - includes courses directly related to electrical technology, veterinary medicine, welding, audio-visual production, graphic design/illustration and business.	PUBLIC SERVICE - includes courses directly related to education and training, law enforcement, health service, and JROTC.	s.t.e.m includes courses directly related to science, technology, engineering and math.		
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KISD Four-Year Plan Guide

The Four-Year Plan is intended to give you and your parent(s) a guide to use as you progress through high school.

	9th Grade	10th Grade	11th Grade	12th Grade	
English	English I Pre-AP English I	English II Pre-AP English II	English III Dual Credit English III AP English III	English IV Dual Credit English IV AP English IV	
Math	Algebra I Geometry Pre-AP Geometry	Geometry Pre-AP Geometry Algebra II Pre-AP Algebra II	Algebra II Pre-AP Algebra II Advanced or Dual Credit Math	Dual Credit Math Advanced Math	
Science	Biology Pre-AP Biology	Chemistry Pre-AP Chemistry	Physics or Advanced Science or Science w/ Endorsement*	AP Biology, Advanced Science Science w/Endorsement*	
Social Studies	Pre AP World Geography World History	World History AP World History US History	US History Dual Credit/AP US History	Government/Economics Dual Credit Gov./Econ. AP Gov./Econ.	
LOTE	LOTE I or II	LOTE II			
Fine Arts/ Tech/Phy.Ed.	Fine Arts/PE	Technology	Speech		
Endorse- ment	Endorsement Focus Courses				

Considerations:

LOTE, Fine Arts, & Technology can be moved to different grade levels (boxes within the 4 Year Plan) Some Endorsement Courses can count in multiple subjects / boxes (review Endorsement for details) Dual Credit & Upper Level (11th/12th grade)



WHAT IS YOUR FOCUS

What career do you want? What major will you choose? What interest you?

Kaufman ISD offers students the chance to explore a variety of college and career opportunities. Our mission is to offer an individualized and focused experience for all high school students in order to better prepare for many career choices. House Bill 5 allows students to obtain not only a diploma, but an endorsement that showcases his/her talents. An endorsement is a formal acknowledgement that a student has completed a rigorous program of studies within one of four foundational areas (e.g. Arts & Humanities, Business & Industry, Public Service, STEM or Science Technology, Engineering, & Math).

These four endorsements will allow students to select one of nearly 20 different pathways, each possessing a unique future readiness for students. While every student is required to take important core classes, endorsements truly personalize the high school experience that will permit specialized knowledge and skills to prepare you for higher education and/or careers. Whether planning for college, vocational tech-school, or entering the labor market, endorsements will serve to benefit you in the area(s) of interest.

Next fall your high school journey will begin and it is beneficial to become familiar with the educational offerings at Kaufman High School. A personal graduation plan (PGP) will be designed to guide you along and promote readiness after graduation, career placement and advancement, and facilitate the transition from secondary to postsecondary education; the PGP will be developed and revisited annually by you and your counselor.

This pamphlet is designed to introduce you to our college and career pathways and assist you in planning your PGP

ENDORSEMENTS

STEM - Science, Technology, Engineering & Mathematics

– a curriculum path providing a unique combination of classroom instruction and industry experience for students interested in pursuing a career in any of the STEM components. Careers in this field include: engineers, technicians, scientists, researchers, etc. The courses included for this endorsement are thought-provoking and engaging, where students learn to develop critical thinking skills through hands-on project based learning that will prepare them to take on real-world challenges. Students have the opportunity to create, design, and build robots, applying what they are learning in math and science to practical use.

Public Service

– a curriculum path that lets students harness their concentration on courses directly related to the public services, such as health science, education, law enforcement, and military science/ROTC. Careers in this area include, but are not limited to: police officer, firefighter, government official, human resources administrator, teacher, coach, lawyer, or in the armed forces. Students interested in this platform should consider a Public Service endorsement when choosing courses.

Business & Industry

– a curriculum path affording students to center their attention on courses directly related to the business field. There is a wide range of careers available in the field, including: communications, finances, marketing, architecture, graphic design, agriculture, culinary arts, welding, construction, project management, etc. Students interested in pursuing an intentional path in the business world may want to consider a Business & Industry endorsement when selecting courses.

Arts & Humanitites

– a curriculum path allowing students to focus intently on courses directly related to fine arts, literature, foreign languages, and social studies. Students interested in pursuing a career path in the entertainment industry, an interpreter, and/or a writer might want to consider the Arts & Humanities endorsement when considering courses. This field is one of creativity, passion, and artistic wonder. Career artists and hobbyists alike enjoy the continual pursuit of excellence in their craft. Many industries outside of this area of expertise hire artists, writers, performers, and musicians for the creative and inspiring element(s) they bring to a team.



Science, Technology, Engineering, and Mathemateics



STEM

Earn your endorsement in Science, Technology, Engineering, & Mathematics.



COMPETITION

Compete against other students and schools in UIL events..



ADVANCED PLACEMENT

Take advanced placement courses in this program of study.



PRACTICUM EXPERIENCE

Work alongside industry experts in a customized practicum experience.



DUAL CREDIT

Earn college credit for courses in this program of study.



HIGH WAGE & HIGH NEED

Careers in this field are classified as high-wage & high-need.

KISD STEM focus plans provide students with foundational courses that teach them the essential knowledge and skills for pursuing careers in Science, Technology, Engineering or Mathematics. In the advanced courses, students apply what they have learned as they work in teams to design innovative solutions to real problems in the school and/or community. Throughout their high school career students will have opportunities to take college dual-credit and/or advanced placement, as well as earn industry certifications.



Of the fastest growing careers are in STEM fields.

Is STEM the right Endorsement for YOU?

Do you like to solve interesting and challenging problems? Do you like to be creative and work with others? Do you like to work on projects that make a difference? Do you want to improve the future?

If so, a STEM career might be right for you. The STEM program of study focuses on providing scientific research and professional services. Careers in STEM link scientific discoveries to the needs of society and consumers.

STEM Occupations

Petroleum Engineers \$149,590

Chemical Engineers \$103,960

Mechanical Engineers \$88,190

Computer Programmer \$84,360

Zoologist \$64,230

Annual mean wage - U.S. Bureau of Labor Statistics

Computer Scientist Cryptologist Cybersecurity Specialist Ecologist Economist Electrical Engineer Electronics Technician Entrepreneur Forensic Scientist Game Designer Geneticist Geologist Industrial Engineer Information Technology Specialist Marine Biologist Mathematician Mechanical Engineer Meteorologist Nuclear Engineer Petroleum Engineer Research Scientist **Revit Specialist** Robotics Engineer Statistician Structural Engineer

Aerospace Engineer

Biomedical Science Biomedical Engineer

Chemical Engineer

Computer Technician

Civil Engineer

Autodesk Inventor Designer

Archaeologist Architect

Astronomer

Biologist

Botanist

Chemist

CARE

STEM

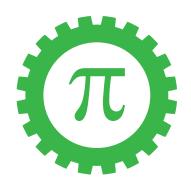
Endorsement Focus Courses

These courses are designed to allow students to specialist in a specific area of interest within their chosen endorsement. The courses are laid out by grade level to assist students in determining their four-year plan. Some endorsement courses may also count as a credit in more than one area, this will be noted under each course.

ENGINEERING	9th	10th	11th	12th
	Principles of Applied Engineering	Engineering Design & Problem Solving	Robotics I or Engineer Your World I	Robotics I or Robotics II
COMPUTER	9th	10th	11th	12th
SCIENCE	Engineering Science	Computer Science I	Computer Science II	Computer Science III
SCIENCE	9th	10th	11th	12th
	Biology	Chemistry	Physics & A&P	Advanced Science
MATHEMATICS	9th	10th	11th	12th
	Algebra or Geometry	Geometry or Algebra II	Dual Credit Math and/or	Dual Credit Math <i>or</i> Advanced Math

Advanced Math

STEM Opportunities



Student Organizations

- Math Club
- FTC Robotics Team
- UIL Robotics Team

Texas Colleges for STEM Programs

• Texas A&M University

• The University of Texas

• Texas Tech University

• University of Houston

• The University of Texas

• Southern Methodist University

• Rice University

• University of North Texas

• Texas A&M University

• McMurray University

College Station, TX

Austin, TX

Lubbock, TX

Houston, TX

Arlington, TX

Dallas, TX

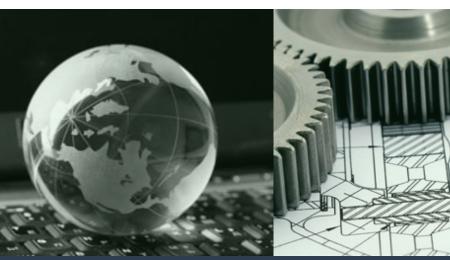
Houston, TX

Denton, TX

Kingsville, TX

Abilene, TX







Public Service



PUBLIC SERVICE

Earn your endorsement in Public Service.



CERTIFICATION

Earn one or more industry certifications in this program of study.



COMPETITION

Compete against other students and schools .



PRACTICUM EXPERIENCE

Work alongside industry experts in a customized practicum experience.



DUAL CREDIT

Earn college credit for courses in this program of study.



HIGH WAGE & HIGH NEED

Careers in this field are classified as high-wage & high-need.

KISD Public Service focus plans provide students with foundational courses that teach them the essential knowledge and skills for pursuing careers in the Health Science, Law, Education & Training. In the advanced courses, students apply what they have learned as they work alongside industry specific professionals.



1 out of every 4 jobs created between now & 2024 will be in public service.

Is PUBLIC SERVICE the right Endorsement for YOU?

Do you enjoy working with people?
Do you want to help and protect others?
Do you have the ability to stay calm in difficult situations?
Do you love a challenge?

If so, a Public Service career might be right for you. The Public Service program of study focuses on providing real-world experiences and demonstrations. Some of the fastest-growing and highest paying careers are in Public Service careers.

PUBLIC SERVICE Occupations

Annual mean wage - U.S. Bureau of Labor Statistics

 Anesthesiologist
 \$258,100

 Physican / Doctor
 \$187,200

 Pharmacist
 \$119,270

 Educator
 \$50,000

 Registered Nurse
 \$71,000

CARF

Anesthesiologist Athletic Coordinator/Director Athlectic Trainer

Attorney

Avionics

Border Patrol Officer

Cardiovascular Technician

City Planner

Civil Engineer

Coroner

Correctional Officer

Counselor

Court Clerk

Court Reporter

Crime Scene Investigator

Criminologist

Cryptologist

Detective

Dentist

Doctor

Emergency Response

Explosive Specialist

Firefighter

Forest Firefighter

Medical Care Assistant

Neurologist

Nurse

Paramedic

Pediatrician

Pharmacist

Phlebotomist

Physical Therapist

Plastic Surgeon

Psychologist

Psychiatrist

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Radiologist

Surgeon

Teacher

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PUBLIC SERVICEEndorsement Focus Courses

These courses are designed to allow students to specialist in a specific area of interest within their chosen endorsement. The courses are laid out by grade level to assist students in determining their four-year plan. Some endorsement courses may also count as a credit in more than one area, this will be noted under each course.

HEALTH	9th	10th	11th	12th
SERVICES	Principles of Health Science	Health Science	Anatomy & Physiology (Science Credit)	Practicum in Health Science w/ Individualized Medical Focus
HEALTH	9th	10th	11th	12th
SERVICES				
4	Principles of Health Science	Sports Medicine I	Health Science Theory	Sports Medicine II

EDUCATION & TRAINING



9th	10th	11th	12th
Principles of Education & Training	Human Growth & Development	Instructional Practices	Practicum in Education & Training II

LAW ENFORCEMENT



9th	10th	11th	12th
Principles of Law, Public Safety, Corrections & Security	Criminal Investigations	Law Enforcement I	Law Practicum

PUBLIC SERVICE Opportunities



Student Organizations

- Health Occupations Students of America (HOSA)
- Police Explorers
- Family, Careers and Community Leaders of America (FCCLA)
- TAFE Texas Association of Future Educators

Industry Certifications & Licenses

- Red Cross CPR/First Aid
- Pharmacy Technician
- Certified Nursing Aide/ Assistant
- Pre-PAC for Educators
- Educational Aide I

Texas Colleges for PUBLIC SERVICE Programs

Baylor University Waco, TX
 University of North Texas Denton, TX

Texas Tech University
 Sam Houston State University
 Lubbock, TX
 Huntsville, TX

University of Texas Pan America Edinburg, TX

Texas A&M University College Station, TX





Business & Industry



BUSINESS & INDUSTRY

Earn your endorsement in Business & Industry.



CERTIFICATION

Earn one or more industry certifications in this program of study.



COMPETITION

Compete against other students and schools in UIL/FFA events.



PRACTICUM EXPERIENCE

Work alongside industry experts in a customized practicum experience.



DUAL CREDIT

Earn college credit for courses in this program of study.



HIGH WAGE & HIGH NEED

Careers in this field are classified as high-wage & high-need.

KISD Business & Industry focus plans provide students with foundational courses that teach them the essential knowledge and skills for pursuing careers in the Entrepreneurship, Veterinary Medicine, Industrial Arts/Welding, Marketing and Audio/Visual Production. In the advanced coursed, students apply what they have learned as they work alongside industry specific professionals.



Is BUSINESS & INDUSTRY the right Endorsement for YOU?

Do you enjoy working with your hands or being outdoors? Do you like creating things through multimedia?

Do you enjoy cooking or serving others?

Do you care for animals?

Do you enjoy making things work?

If so, a Business & Industry career might be right for you. The Business & Industry program of study focuses on providing real-world experiences and hands-on projects. Some of the fastest-growing and careers fall under Business & Industry.

BUSINESS & INDUSTRY Occupations

Veterinarian	\$99,000
Animator	\$70,300
Chef	\$45,920
Welder	\$40,970
Electrician	\$55,590

Annual mean wage - U.S. Bureau of Labor Statistics

CARE

Adobe Specialist
Animal Care Specialist
Animator
Art Director
Audio Technician
Automotive Assembler
Baker
Barista
Breed Analyst
Butcher
Cable Installer
Chef
Construction Manager

Construction Manager Contractor Culinary Specialist Electrician Electronics Assembler

Film Editor / Director Graphic Designer Groomer

Health Inspector HVAC Technician

Industrial Engineer Technician Industrial Machinery Mechanic

Livestock Production

Machinist

Marketing Manager

Manufacturing Technician

Mechanic

News Anchor

Photographer

Precision Welder

Producer

Restaurant Manager

Small Animal Management

Travel Writer

Veterinarian

Veterinary Technician

Welder

Zoo Animal Specialist

ERS

BUSINESS & INDUSTRY

Endorsement Focus Courses

These courses are designed to allow students to specialist in a specific area of interest within their chosen endorsement. The courses are laid out by grade level to assist students in determining their four-year plan. Some endorsement courses may also count as a credit in more than one area, this will be noted under each course.

AUDIO/VISUAL	9th	10th	11th	12th
PRODUCTION	Principles of	Audio/Visual Production I	Audio/Visual Production II	Practicum
	Arts, A/V Technol-	10th	11th	12th
	ogy & Communi- cation	Digital Media	Animation	Animation II
GRAPHIC	9th	10th	11th	12th
DESIGN	Art I (Fine Art Credit)	Graphic Design & Illustration I	Graphic Design & Illustration II	Practicum
ENTREPRENEUR	9th	10th	11th	12th
or BUSINESS	9 (11	BIM	Career I	Career II
Of BUSINESS	Principles of Business, Marketing,	DINI		Carcer II
	& Finance or other	10th	11th	12th
	Princ class in Business	BIM	Accounting I	Accounting II
		10th	11th	12th
		BIM	BIM II	Practicum
	ı		ı	
FOOD&	9th	10th	11th	12th
HOSPITALITY	Intro to Culinary Arts	Culinary Arts	Adv Culinary Arts	Practicum Culinary Arts
AG	9th	10th	11th	12th
BUSINESS	Prin of Ag	Ag Mech	Ag Fac I	Ag Equip & Fab
AG	9th	10th	11th	12th
PLANT	Prin of Ag	Horticulture	Floral Design	Practicum
		1 6 . 1		

MANUFACTURING

9th	10th	11th	12th
Principles of Agriculture, Food & Natural Resources	Ag Mech	Welding I	Welding II
9th	10th	11th	12th
Principles of Agriculture, Food &	Livestock	Veterinary Medical Application	Adv Animal Science (Science Credit

VETERINARY MEDICINE

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9th	10th	11th	12th
Journalism	Newspaper II,	Newspaper II, Year-	Newspaper III,
	Yearbook II, and/or	book II, and/or	Yearbook III, and/or
	Debate II	Debate II	Debate III
			Photojournalism

BUSINESS & INDUSTRY

Natural Resources

Opportunities

Student Organizations

- AV Production UIL Film Team
- Animation UIL Animation Team
- Culinary Family, Careers, Community Leaders of America (FCCLA)
- Account I & II UIL Account Team

- Future Farmers of American (FFA) Leadership, Judging and Showing Teams
- Graphic Design UIL KHS Robotics: Design Division
- Graphic Design B.G.W. Graphics
- Yearbook

Industry Certifications & Licenses

- Ag NCLCA Principle of Livestock Selection & Evaluation Certification
- Ag Veterinay Medical Applications Certification
- Ag Texas Veterinary Medical Association Certified Veterinary Assistant Level 1
- Ag Texas State Florist Associateion Level 1 & 2 Certification
- Ag Principles of Floral Design Certification

- Ag Welding
- BIM I & II Microsoft Office: 2016 Word, Excel, Power-Point, Access, Word Expert, Excel Expert
- Culinary ServeSafe Food Handler Certificate
- Culinary ServeSafe National Manager Safety & Sanitation Certificate

Texas Colleges for BUSINESS & INDUSTRY Programs

Texas A&M University College Station,TX
 Texas Tech University Lubbock, TX
 University of North Texas Denton, TX
 Art Institute of Dallas Dallas, TX

The University of Texas Austin, TX
Eastfield College Dallas, TX





if 4th Science) Practicum

www.kaufmanisd.net



ENDORSEMENT

Arts & Humanities



ARTS & HUMANITIES

Earn your endorsement in Arts & Humanities.



COMPETITION

Compete against other students and schools in UIL events.



ADVANCED PLACEMENT

Take advanced placement courses in this program of study.



DUAL CREDIT

Earn college credit for courses in this program of study.

KISD Arts & Humanities focus plans provide students with foundational courses that teach them the essential knowledge and skills for pursuing careers in the Visual Arts, Performing Arts, Language Arts, or Social Sciences. In the advanced courses, students have the opportunity to perform in UIL competitions with the possibility of state-wide competitions.



Is ARTS & HUMANITIES the right Endorsement for YOU?

Do you enjoy performing?

Do you like working with others to obtain a common goal? Do you enjoy expressing yourself in an artistic way?

If so, an Arts & Humanities career might be right for you. The Arts & Humanities program of study focuses on providing opportunities to express and explore your creativity, passion and talents. Career artists and humanitarians enjoy the continual pursuit of excellence towards their craft.

ARTS & HUMANITIES Occupations

Sociologist		\$82,100
Archaeologist / Anthropolog	ist	\$64,290
Choreographer		\$51,560
Translator	\$48,	360

Annual mean wage - U.S. Bureau of Labor Statistics

Actor Anthropologist Archaeologist Art Critic Artist **Book Illustrator** Choreographer Composer Conductor Costume Designer Counselor Curator Demographer Director Editor Gallery Owner Geographer Graphic Illustrator Historian Humanitarian **Iournalist** Immigration Officer **International Attorney** International Intelligence Officer Musician Painter Play Writer Politician Production Manager Sculptor Social Worker Sociologist

Song Writer Talent Agent **Technical Director** Translator

Travel Agent Urban Planner

ARTS & HUMANITIES

Endorsement Focus Courses

These courses are designed to allow students to specialist in a specific area of interest within their chosen endorsement. The courses are laid out by grade level to assist students in determining their four-year plan. Some endorsement courses may also count as a credit in more than one area, this will be noted under each course.

DAND				
BAND	9th	10th	11th	12th
	Band I (Physical Education Credit- Fall Semester)	Band II (Physical Education Credit- Fall Semester)	Band III (Physical Education Credit- Fall Semester)	Band IV (Physical Education Credit- Fall Semester)
CHOIR	9th	10th	11th	12th
	Choir I (Fine Arts Credit)	Choir II	Choir III	Ensemble
DANCE	9th	10th	11th	12th
	Dance I (Fine Arts Credit)	Dance II	Dance III	Dance IV
SPANISH	9th	10th	11th	12th
LANGUAGE	Spanish I (Foreign Lang. Credit)	Spanish II or Pre-AP Spanish II (Foreign Lang. Credit)	Spanish III or Pre-AP Spanish	AP Spanish IV
THEATDE ADTO				
THEATRE ARTS	9th	10th	11th	12th
FO	Theatre Arts I , (Fine Arts Credit) Technical Theatre I or Production (audition required)	Theatre Arts II , (Fine Arts Credit) Technical Theatre II or Production II (audition required)	Theatre Arts III , (Fine Arts Credit) Technical Theatre III or Production III(audition required)	Theatre Arts IV, (Fine Arts Credit) Technical Theatre IV or Production IV(audition required)

SOCIAL
SCIENCE

9th	10th	11th	12th
World Geography (History Credit)	World History (History Credit)	US History (History Credit)	Government/Economics or Psy/Sociology

VISUAL ARTS

9th	10th	11th	12th
Art I (Fine Arts Credit)	Art II	Art III	Art IV

ARTS & HUMANITIES Opportunities

Student Organizations

- Band
- Choir
- Spanish Club
- Art
- Theatre Arts
- Drill Team/Dance

Texas Colleges for ARTS & HUMANITIES Programs

Lubbock, TX Texas Tech University Tyler Junior College Tyler, TX University of North Texas Denton, TX Art Institue of Dallas Dallas, TX Kilgore College Kilgore, TX The University of Texas Austin, TX Texas A&M - Commerce Commerce, TX Central Texas College Killeen, TX



