

# Endorsements &



# Programs of Study

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*Endorsements* are a related series of courses that are grouped together by interest or skill set. They provide students in-depth knowledge of a subject area.

Students can choose from 5 Endorsement areas:

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1. STEM
2. Business & Industry
3. Public Services
4. Arts & Humanities
5. Multidisciplinary Studies

*(Student Booklet – pages 7-8)*

*Programs of Study* are a coherent sequence of courses, industry-based certifications, & work-based learning designed to ensure students are prepared for in-demand, high-skill, high-wage careers. You can find the *Programs of Study* listed under the Career Cluster flow charts found throughout the Student Booklet.

<b>SAMPLE 4-Course Sequences (<i>Programs of Study</i>) that satisfy the CTE course requirement for Business &amp; Industry Endorsement</b> Earn at least 4 credits by taking at least two courses in the same cluster, with at least one containing advanced topics in that field (*)—see page in this document on Endorsements or your counselor for more information on graduation requirements.				
<b>Career Interest</b>	<b>Ag1 - Animal Science</b>	<b>Ag2 - Plant Science</b>	<b>Ag3 - Applied Ag Engineering</b>	<b>Ag4 - Environmental &amp; Natural Resources</b>
<b>9th Grade</b>	Principles of Agriculture (1)	Principles of Agriculture (1)	Principles of Agriculture (1)	Principles of Agriculture (1)
<b>10th Grade</b>	Small Animal Mgmt (0.5) and Equine Science (0.5) or Livestock Production (1)	Floral Design (1-fine arts)	Ag Mechanics (1)	Wildlife, Fisheries & Ecology Mgmt (1)
<b>11th Grade</b>	*Veterinary Med Appl (1) or Livestock Production (1)	Greenhouse Operation & Production (1)	*Ag Equipment (1)	*Range Ecology Mgmt (1)
<b>12th Grade</b>	*Adv Animal Science K (1-science) or *Practicum in Ag (2)	*Adv Plant & Soil Sci K (1-science) or *Adv Floral Design (1) or *Practicum in Ag (2)	*Project-Based Research: AgMech Focus (1) or *Practicum in Ag (2)	*Practicum in Ag (2)
<b>Certifications</b> (** Satisfies Performance Acknowledgement)	Quality Counts Verification Canine & Feline First Aid/CPR TX Beef Quality Assurance **Certified Vet Assistant	Quality Counts Verification **TSFA Floral Designer Lvl 1 **TSFA Floral Designer Lvl 2	Quality Counts Verification OSHA 10-hr **AWS D9.1 (Sheet Metal) **AWS D1.1 (Structural) **OSHA 30-hr	Quality Counts Verification Hunter Safety Boater Safety Angler Safety **Wastewater Collections
<b>Careers</b>	Animal Breeders (\$39K) Animal Scientists (\$58K) Medical Scientists (\$64K) Veterinarians (\$93K) Zoologists (\$67K)	Soil & Plant Scientist (\$55K) Biological Technician (\$43K) Floral Designer (\$52K)	Small Engine Mechanic(\$32K) Welder (\$41K+) Farm Equipment Mech(\$40K) Heavy Equipment Mech (\$47K) Agricultural Engineer (\$65K)	Environmental Sci & Protection Tech (\$40K) Environmental Scientist (\$78K) Environmental Engineer (\$87K)

# Choosing an *Endorsement* & *Program of Study* may seem overwhelming...



*(Remember that this is a plan - you will have an opportunity to make changes in high school)*

1. Simply start by asking yourself a few questions:  
What are my interest, talents, and/or career aspirations?  
What are my post-secondary goals?
2. Review the CFISD Endorsement Chart (Student Booklet – pages 7-8)
3. Explore career options in *Xello*

**Xello** Dashboard  
Explore Options  
Explore Careers

<https://student.xello.world/options/explore-careers>

Click on *More Filters/Career Clusters or School Subjects*

EXPLORE CAREERS

Minimum Salary: \$0 to \$125,000+

Education:  High School  2-Year College or Technical Training  4-Year College

Career Demand:  High  Increasing  Stable  Declining

Career Clusters:  Architecture & Construction  Education & Training  Human Services  Manufacturing  Agriculture, Food & Natural Resources  Hospitality & Tourism  Arts, AV Technology & Communications  Information Technology  Science, Technology, Engineering & Math  Business, Marketing & Finance  Law & Public Service

586 Careers

# Next...

4. *Check out the CFISD CTE videos to learn more about some of the programs available here in our district*



<https://tinyurl.com/CFISDCTEvideos>



1:36

**CTE Fashion Design**  
62 views • 7 months ago



2:23

**CFISD CTE Automotive**  
127 views • 7 months ago



2:31

**CTE Child Guidance & Education and Training**  
86 views • 7 months ago



2:31

**CTE Architecture and Engineering**  
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2:47

**Business, Finance, Marketing**  
87 views • 8 months ago



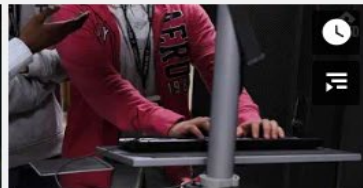
2:55

**CTE Health Science**  
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3:26

**CTE Manufacturing**  
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**CTE Information Technology**  
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2:14

**Culinary CTE**  
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**AFJROTC**  
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2:16

**CTE AG SCIENCE**  
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1:34

**CTE Cosmetology**  
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# Then...

1 – Select your Endorsement(s)  
(*example: Business & Industry/  
Ag, Food & Natural Resources*)

2 – Choose an Option  
or Program of Study  
(*example: Ag1 – Animal Science*)

3 – Use the list of  
courses provided to  
make your selections  
for each year

4 – Add these courses  
to your 4-Year Plan

## AGRICULTURE, FOOD AND NATURAL RESOURCES

Endorsement: Business & Industry

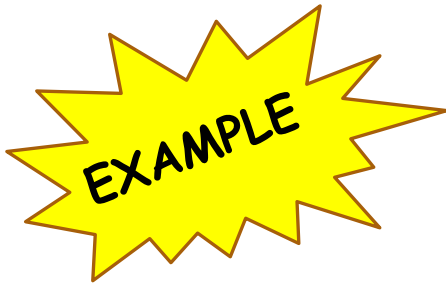
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*If you have space available...*

**You may want to consider including:**

- ❖ Additional courses in any of the 4 core academic areas (English, Math, Science, Social Studies)
- ❖ Additional courses from your Endorsement area(s)
- ❖ Any of the courses listed in the Student Booklet – page 48

Course Title	9	10	11	12	Description
Professional Communications (.5 credit)	*	*	*	*	Develop effective interpersonal communication skills
Touch System Data Entry (Keyboarding) (.5 credit)	*	*	*	*	Improve speed and accuracy on the keyboard
LeadWorthy (.5 credit) (formerly Teen Leadership)	*	*	*	*	Activity-oriented course that emphasizes leadership, personal/professional responsibility, and business skills
Photojournalism (.5 credit)	*	*	*	*	Introduces the world of photography and journalism; must have your own digital camera
Principles of Education & Training	*	*	*		Basic knowledge and skills needed for a career in education
Automotive Basics	*	*			Basic repair, maintenance and servicing of vehicle systems
Business Information Management I	*	*	*	*	Word processing, spreadsheets, multimedia presentations, databases, internet research, & emerging technologies
Journalism I	*	*	*	*	<b>Required prerequisite for Adv. Journalism I – Yearbook or Adv. Journalism I - Newspaper Writing,</b> technology, visual, and electronic media are used as tools for learning as students produce effective communications
Debate I	*	*	*	*	<b>Required prerequisite for Debate II-IV</b> Study current events and logic while preparing and presenting arguments on a variety of controversial issues; participation in competitive speech and debate events is required
Intro to Cosmetology	*	*	*		Hair style, manicures, skin care, make up, and other aspects of the personal care service industry
Digital Media	*	*	*	*	Design and create multimedia projects using Adobe Photoshop; potential for certification
Medical Terminology	*	*			Medical terms, word roots, abbreviations and acronyms
Child Development		*	*	*	Child growth from prenatal through school-age children
Personal Financial Literacy (.5 credit)		*	*	*	Analyze earning and spending, saving & investing, credit & borrowing, insuring & protecting, and college & postsecondary education & training
Money Matters	*	*	*	*	Bank record management, credit cards, investing, insurance and budgets
Creative Writing		*	*	*	Develop increased skill, creativity, and versatility as writers
ACT/SAT Prep (.5 credit)			*	*	<b>Prerequisite: Completion of or concurrent enrollment in Algebra II</b> Provides students with strategies for college entrance exams
Psychology/Psychology AP (.5 credit)			*	*	Understanding the concept of human behavior, theories of personality, human growth & development
Sociology (.5 credit)			*	*	Understanding of self and the society in which one lives
Street Law (.5 or 1 credit)			*	*	Court structure, criminal procedure, civil rights & other legal issues; criminal law one semester & civil law the other semester
World Area Studies K or H (.5 or 1 credit)			*	*	Study of geography, culture, history, politics, and economic development of selected regions
PALS I			*	*	Peer Assistance & Leadership program; work as a peer mentor with students on campus and at feeder elementary/middle schools <b>Application required</b>
College Readiness & Study Skills (.5 credit)				*	Open to students who plan to attend post-secondary education; designed to help students transition into the post-secondary environment



# 4-Year Plan worksheet

Complete:

\*Personal Information

\*Career Goal

\*Endorsement/Option/Program of Study



◆ Cypress-Fairbanks ISD ◆

High School Four-Year Plan – Foundation High School Program + Endorsement

Class of 2018 and Beyond

Name: Chris Doe ID # 123456 Current Campus: ? Middle School

Next Year Campus: ? High School Distinguished Level of Achievement (circle one)  YES  NO

The Four-Year Plan is intended to give you and your parent(s) a guide to use as you progress through high school. You will want to review the plan each year to make sure you are taking the required courses for graduation. Your course selection should support your aptitude and interests and align with the career you wish to pursue. You will be given opportunities to review and/or modify your plan in high school.

CAREER GOAL Engineer

Endorsement & Option (copy from p. 46 in Student Booklet)

- 1 - STEM/STEM 3 - Engineering
- 2 - Arts & Humanities- Option 3 - Music (Band)
- 3 - Multidisciplinary Studies- Option 2 - AP/DC

## Graduation Plans for the class of 2018 and Beyond

	Foundation	+ Endorsement(s)	Distinguished Level of Achievement
Discipline	Credits	Credits	Credits
English	4		
PACE (1/2)	1/2		
Math	3	1	Incl. Algebra II
Science	3	1	
Social Studies	3		
LOTE/Foreign Language	2		
Fine Arts	1		
PE (1) and Health (1/2)	1 1/2		
Electives/Endorsement Courses	4	2	
<b>Total Credits for Graduation</b>	<b>22</b>	<b>26</b>	<b>26</b>



# Complete & Check Your 4-Year Plan

- List High School credits earned in Middle School *(Student Booklet – page 49)*
- Fill in course names & levels for required courses listed
- Add Health, LOTE, Fine Arts, & PE requirements
- Add Endorsement/Program of Study courses
- List Alternate Electives for 9<sup>th</sup> Grade (1<sup>st</sup> & 2<sup>nd</sup> choice)

*Directions:* Courses required at a specific grade level are noted in the chart below. Students have flexibility in determining the year of study for the following graduation requirements: World History or World Geography, Foreign Language, Fine Arts, PE and Health.

Pds	High School credits earned in Middle School	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
1		English I	English II	English III	English: _____
2		Math: _____	Math: _____	Math: _____	Math: _____
3		Biology	Science: _____	Science: _____	Science: _____
4		PACE ( ½ ) / _____		U.S. History	Government ( ½ ) / Economics ( ½ )
5					
6					
7					

Alternate Electives for 9<sup>th</sup> Grade: 1. \_\_\_\_\_ 2. \_\_\_\_\_

Parent Signature \_\_\_\_\_ Date \_\_\_\_\_