

FOUNDATION  
HIGH SCHOOL  
PROGRAM +  
ENDORSEMENT

**HIGH SCHOOL 4-YEAR PLAN**

**2023-2024**

# GENERAL INFORMATION

**Endorsements** help create a personalized learning plan in line with a student's career interests and goals

- Students and parents required to select (in writing) an endorsement area and create a 4-Year Plan
- **There will be opportunities to review and/or modify the plan each year**
- **Schedule changes for the next school year must be made before the end of the CURRENT school year**
- Students may earn more than one endorsement



**NOTE: Students must graduate with the Distinguished Level of Achievement in order to be eligible for top 10% automatic**

## Graduation Requirements for the Classes of 2018 and Beyond

Students who enter the ninth grade in the fall of 2014 and thereafter must enroll in courses necessary to complete the Foundation High School Program with an endorsement. Students may also earn Distinguished Level of Achievement by including and successfully completing Algebra II in their selected coursework. Students should study the table below which outlines requirements for 22 credits for the Foundation High School Program plus the 4 additional credits required for an endorsement. Counselors at each high school will furnish details associated with endorsements and other information necessary for student to complete registration.

Course	Foundation	+Endorsement	Notes
English	4		
PACE (Personal, Academic, & Career Exploration) or PACE Plus	1/2  or  1		<ul style="list-style-type: none"> <li>One-half credit is required in grade 9.</li> <li>One credit is required for 9th-grade students who did not pass all 8th grade core academic classes (language arts, reading, math, science, and social studies) and who have not met the state standards on any 8th grade STAAR assessment.</li> <li>The state required speech TEKS are embedded in PACE and PACE Plus.</li> </ul>
Mathematics	3 Algebra I, Geometry, <u>and</u> an additional math course	+ 1 additional advanced math course	<ul style="list-style-type: none"> <li>Algebra II must be taken to earn the Distinguished Level of Achievement.</li> </ul> <p>NOTE: State graduation requirements do not mandate that a student complete Algebra II to graduate under the Foundation High School Program. If a student does not complete an Algebra II course, the student will not be eligible for automatic college admission or certain financial aid including the TEXAS Grant Program and the Texas Educational Opportunity Grant Program.</p>
Science	3 Biology and IPC, Chemistry, <u>or</u> Physics, <u>and</u> an additional science course	+1 additional advanced science course	<ul style="list-style-type: none"> <li>Biology is required for all students.</li> </ul>
Social Studies	3 World Geography <u>or</u> World History, U.S. History, Government (1/2) & Economics (1/2)		<ul style="list-style-type: none"> <li>Students may substitute AP Human Geography for World Geography.</li> <li>Students <u>may not</u> substitute the Personal Financial Literacy Elective for Personal Financial Literacy Plus Economics.</li> </ul>
Languages other than English (Foreign Language)	2		<ul style="list-style-type: none"> <li>Students take and earn two credits in the same language.</li> </ul>
Health	1/2		<ul style="list-style-type: none"> <li>Health may be taken in any grade or through correspondence, summer school, or credit-by-exam.</li> <li>Principles of Health Science satisfies the Health requirement.</li> <li>CPR - The State required instruction in cardiopulmonary resuscitation (CPR) is instructed in Health.</li> </ul>

## Graduation Requirements for the Classes of 2018 and Beyond

Course	Foundation	+Endorsement	Notes
Physical Education	1		<ul style="list-style-type: none"> <li>Beginning in the fall of 2022, students may earn a maximum of two (2) credits in PE toward graduation.</li> <li>Students may meet the PE requirement through after school participation in the fall semester of marching band and cheerleading, and both semesters of drill team. Students may also meet the PE requirement if they participate in a district-approved Olympic caliber off-campus training program, athletics or AFROTC.</li> <li>Students may earn up to four (4) credits of PE through off-campus PE, athletics or AFROTC.</li> <li>PE credit may be earned through approved correspondence courses.</li> </ul>
Fine Arts	1		<ul style="list-style-type: none"> <li>Approved fine arts courses include art, music, dance, theatre courses and floral design.</li> <li>Students must take 2 sequential semesters of the same course to meet the Fine Arts credit requirement.</li> </ul>
Electives	4	+ 2 additional electives	
<b>Total Credits Required</b>	<b>22</b>	<b>26</b>	

### Financial Aid Application for High School Graduation

Completing a free application for federal student aid (FAFSA) is a graduation requirement. FAFSA and/or TAFSA must be completed before a student can receive a high school diploma. A parent or legal guardian may provide written notice to opt out their child. Students who are at least 18 years old may opt themselves out of the requirement.

# ENDORSEMENT PLAN CONSIDERATIONS

- Remember...the Endorsement(s) chosen will determine many of the high school elective choices
- Tip: use the drop down arrow in Xello on Foundation High School Plan with Endorsement: it will show credits needed for each endorsement

The screenshot displays the Xello Course Planner interface for a student named Kathryn Nomura at Hamilton Middle School. The main content area shows the 'Foundation High School Plan with Endorsement' with 0 credits left. A progress bar indicates 26 / 26 credits completed, with a note that 5 credits are unused. A table lists required courses and their endorsement options with remaining credits:

Course	Endorsement	Credits Left
Foundation High School Plan with Endorsement	Required	0 Credits left
Business & Industry - 1 Business Marketing & Finance (assigned to you)	Endorsement	0 Credits left
Arts & Humanities - 1 Social Studies	Endorsement	2 Credits left
Arts & Humanities - 2 Foreign Language	Endorsement	2 Credits left
Arts & Humanities - 2 Foreign Language Combo	Endorsement	2 Credits left
Arts & Humanities - 2 Dance	Endorsement	4 Credits left

On the right, a 'GRADE 12 Credits' section lists available courses:

- English IV 04123 | English 12 | 1 cr.
- Pre-Calculus 24223 | Math 12 | 1 cr.
- Aquatic Science 33423 | Science 12 | 1 cr.
- Economics Free Ente...

The interface includes a search bar, navigation menu (STUDENTS, FAMILIES, EDUCATORS, FEATURES, REPORTS, SETTINGS), and a taskbar at the bottom showing the system time as 11:10 AM on 9/20/2023.

# 5 ENDORSEMENT AREAS

- **STEM** – Science, Technology (including Computer Science), Engineering, and advanced Math
- **Business & Industry** – Agriculture; Architecture & Construction; A/V Technology & Communications; Business, Marketing & Finance; Hospitality & Tourism; Information Technology, Manufacturing; Transportation, Distribution & Logistics
- **Public Services** – Education & Child Guidance; Health Science; Human Services (Cosmetology); AFJROTC
- **Arts and Humanities** – Social Studies; Languages Other than English (LOTE); Fine Arts (Art, Dance, Music, & Theatre)
- **Multidisciplinary Studies** – Four by Four (4 x 4); AP/DC

(Provides students the opportunity to take a variety of courses from each of the other four endorsement areas)

**Programs of Study** are a coherent sequence of CTE courses, industry-based certifications, & work-based learning designed to ensure students are prepared for in-demand, high-skill, high-wage careers. They also support the completion of an endorsement.

**SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS**

**Programs of Study  
STEM Endorsement**

**STEM 1  
PROGRAMMING &  
SOFTWARE DEV**

<b>9th Grade</b>
Computer Science Principles AP (1) or Computer Science I K (1)
<b>10th Grade</b>
Computer Science Principles AP (1) or Computer Science I K (1) or Computer Science II K (1)
<b>11th Grade</b>
Computer Science Principles AP (1) or Computer Science II K (1) or *Computer Science III K (1)
<b>12th Grade</b>
*Computer Science III K (1) or *Project-based Computer Science: Mobile App Development K (1)
<b>Certifications</b>
**Oracle Java SE Programming
<b>Careers</b>
Computer Network Architect (\$121K) Computer Programmer (\$80K) Software Developer (\$103K)

**STEM 2  
CYBERSECURITY**

<b>9th Grade</b>
Principles of Info Tech (1) 8th gd only Networking (1)
<b>10th Grade</b>
Computer Science I K (1) <b>and</b> *Internetworking Technologies I (1)
<b>11th Grade</b>
*Internetworking Technologies II (1)
<b>12th Grade</b>
*Project-based Research in Networking: Cybersecurity (1) <b>and/or</b> *Practicum in Info Tech (2)
<b>Certifications</b>
*CompTIA A+ IT Specialist Python IT Specialist Device Configuration IT Specialist Networking or IT Specialist Network Security
<b>Careers</b>
Information Security Analyst (\$119K) Computer Systems Analyst (\$88K) Computer Network System Admin (\$96K)

**STEM 3  
ENGINEERING**

<b>9th Grade</b>
Principles of Applied Engineering (1)
<b>10th Grade</b>
Engineering Design & Presentation I (1)
<b>11th Grade</b>
*Engineering Design & Presentation II (2)
<b>12th Grade</b>
*Eng Design & Problem Solving K (1-science) or *Practicum in STEM (2)
<b>Certifications</b>
**Autodesk Inventor
<b>Careers</b>
Industrial Engineer (\$97K) Mechanical Engineer (\$91K) Chemical Engineer (\$113K) Electrical Engineer (\$98K)

**STEM 4  
STEM ACADEMY  
FOR ARC  
(HOUSED AT CYPRESS SPRINGS  
APPLICATION REQUIRED)**

<b>9th Grade</b>
Computer Science I K (1-LOTE) Manufacturing Engineer Tech I K (1)
<b>10th Grade</b>
Computer Science II K (1-LOTE) Digital Electronics K (1-math)
<b>11th Grade</b>
*Computer Science III (1) *Engineering Math K (1-math)
<b>12th Grade</b>
*Project-based Computer Science: Robotics Programming K (1) *Scientific Research & Design I K (1-science)
<b>Certifications</b>
**Certified SolidWorks Associate IT Specialists: Python & Java **Oracle Java SE Programming
<b>Careers</b>
Mechanical/Electrical Engineer(\$95K) Hardware Engineer (\$116K) Industrial Designer-CAD (\$69K) Software Engineer (\$103K)

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

*Remember that this is a plan - there will be an opportunity to make changes in high school!*

Simply start by asking yourself a few questions:

\*What are my interest, talents, and/or career aspirations?

\*What are my post-secondary goals?

Explore career options in *Xello*

*Mycfisd.net/Additional Resources/Xello SSO Student Access*

*Xello* Dashboard

Explore Options  
Careers

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

EXPLORE CAREERS

Minimum Salary: \$0 to \$25,000+

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
- Art, AV Technology & Communications
- Information Technology
- Science, Technology, Engineering & Math

586 Careers



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



[https://www.youtube.com/results?search\\_query=cfisd+cte](https://www.youtube.com/results?search_query=cfisd+cte)



CFISD CTE Overview

15 views · 1 month ago

 CFISD CTE

Nearly 70 industry certifications, 130-plus courses and priceless real-life experience awaits students in CFISD's career and ...

*(Note: There are several different videos available)*

# GENERAL INFORMATION ABOUT LEVELS

- ▶ **On-level** (the course title without a letter after it): Choose this level if you are **CURRENTLY** in an on-level class of that content area in 8<sup>th</sup> grade. If you have an 85 or above average in that class, you will receive a letter in the spring and will have the opportunity to choose K-level at that time
- ▶ **K** (Accelerated level): Choose this level only if you are **CURRENTLY** in a K-level class of that content area in 8<sup>th</sup> grade **AND** you have a 75 or above average in the class
- ▶ **H** (Horizons): ONLY choose “H” if you are **CURRENTLY** in Horizons classes
- ▶ **AP** = Advanced Placement (earn possible college credit by taking AP exam in the spring)
- ▶ **DC** = Dual Credit (earn both high school credit and college credit for specific high school courses; specific entry requirements must be met before enrolling in a dual credit course)

Graduation Requirements



# Social Studies

3 credits required

# 9<sup>th</sup> and/or 10<sup>th</sup> Grade

- Students have flexibility in determining the course & year of study in 9<sup>th</sup>/10<sup>th</sup> grade
- Students have a CHOICE from the following:
  - World Geography (On-level, K, or H)
  - Note: Students may substitute AP or H/AP Human Geography for World Geography but may not earn credit for both courses

OR



- World History (On-level, K, H, AP, or H/AP)

# 11<sup>th</sup> Grade

- US History is ***REQUIRED***

- ***Select level***

- On-level
- K
- K/DC (Dual Credit)
- H/DC (Horizons/Dual Credit)
- AP
- H/AP



# 12<sup>th</sup> Grade

- **Government (.5 credit)  
& Economics (.5 credit)**

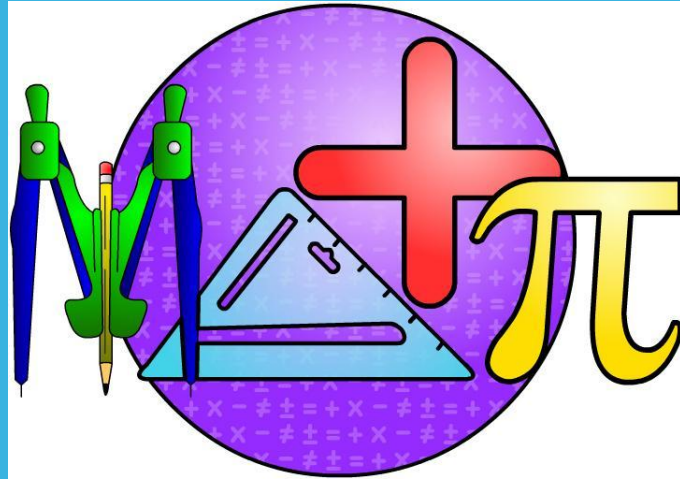


- **BOTH are *REQUIRED***

- **Government (1/2 credit)** (On-level, K, K/DC, H/DC, AP, or H/AP) – 12<sup>th</sup> grade
- **Economics (1/2 credit)** – 12<sup>th</sup> grade (*choose 1 course from the following*)
  - Personal Financial Literacy (PFL) Plus Economics (On-level)
  - Economics Free Enterprise System (K-level/H)
  - Macro Economics AP, H/AP, K/DC, or H/DC

GRADUATION  
REQUIREMENTS

**MATH**



**4 credits required**

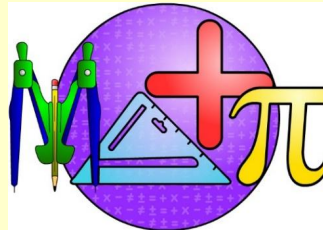
# REQUIREMENTS *(see page 7 in Student Booklet)*

- ❑ **Algebra I – 8<sup>th</sup> or 9<sup>th</sup> Grade**
  - **On-level credit regardless of when taken**
  - **Required for all students**
- ❑ **Geometry – (On-level, K, or H)**
- ❑ **An additional math course +1 additional advanced math course**
  - **All STEM endorsements - must take Algebra II**
  - **Algebra II must be taken to earn the Distinguished Level of Achievement *(required to be eligible for the top 10% automatic admission to any Texas Public University and to be considered for the Texas Grant)***



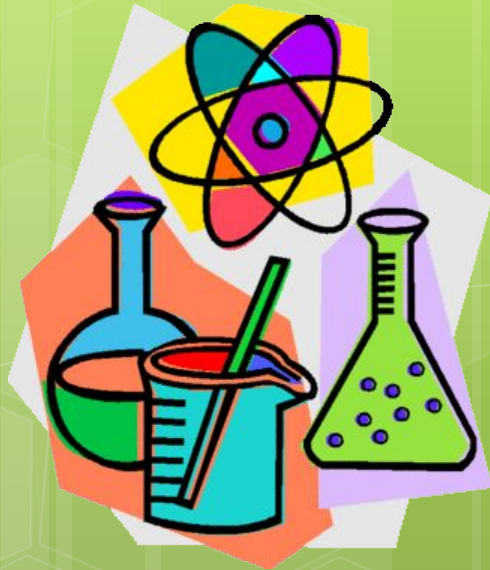
# OPTIONS FOR A STUDENT TAKING 8<sup>TH</sup> GRADE MATH THIS YEAR

	8 <sup>th</sup> Grade	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
<b>Example #1</b>	8 <sup>th</sup> Grade Math	Algebra I (On-level)	Geometry (On-level, K, or H)	Statistics (On-level) →  OR  MMA (Math Models with Applications) →  OR  Algebra II (On-level, K, or H) →	Algebra II (On-level, K, or H) <u>or</u> Algebraic Reasoning (On-level) - - - Algebraic Reasoning (On-level) <u>or</u> Algebra II (On-level, K, or H) <u>or</u> Statistics (On-level) - - - Precalculus (On-level, K, H, DC or AP) <u>or</u> ISM Advanced Algebra (On-level) <u>or</u> ISM College Algebra (K or H) <u>or</u> Statistics AP (or H/AP) <u>or</u> AQR (Advanced Quantitative Reasoning) (K)



# OPTIONS FOR A STUDENT TAKING *ALGEBRA I* THIS YEAR

	8 <sup>th</sup> Grade	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
<b>Example #2</b>	Algebra I	Geometry (On-level, K, or H)	Algebra II (On-level, K, or H)	Precalculus $\longrightarrow$ (On-level, K, H, DC or AP)	Calculus AB AP (or H/AP) <u>or</u> Calculus BC AP (or H/AP) <u>or</u> Statistics AP (or H/AP) <u>or</u> ISM College Algebra (K or H) <u>or</u> AQR (K) - - -
				<div style="text-align: center;">OR</div> ISM – College Algebra (K or H) $\implies$	Precalculus (On-level, K, H, DC or AP) <u>or</u> Statistics AP (or H/AP) <u>or</u> AQR (K) - - -
				<div style="text-align: center;">OR</div> Statistics AP (or H/AP) $\longrightarrow$	Precalculus (On-level, K, H, DC or AP) <u>or</u> ISM College Algebra (K or H) <u>or</u> AQR (K) - - -
				<div style="text-align: center;">OR</div> AQR (K) $\longrightarrow$	Precalculus (On-level, K, H, DC or AP) <u>or</u> ISM – College Algebra (K or H) <u>or</u> Statistics AP (or H/AP)



4 credits required



*Explore The Possibilities*

# Graduation Requirements

# Science

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# Requirements

**4 Science credits required for any endorsement**

- **9<sup>th</sup> - Biology (On-level, K, or H)**
- **10<sup>th</sup> -Chemistry (On-level, K, or H)**
- **11th Physics (see Student Booklet - page 8) (On-level, K, DC, AP, or H)**
- **+1 additional advanced science course**
  - ❖ All **STEM** endorsements - must take Biology, Chemistry, & Physics (or AP Physics I)
  - ❖ **Multidisciplinary Studies – Option 1 – 4 x 4** – must have Biology + Chemistry and/or Physics (or AP Physics I)

# 9<sup>th</sup> Grade

All students must take **Biology**

**Choose level:**

On-level

K

H



# 10th Grade



**Choose** from the following:

- ▣ **IPC** (On-level)
- ▣ **Chemistry** (On-level, K, or H)
- ▣ **Physics** (On-level, K, or H)

or **AP Physics I** (if **completed or concurrent enrollment in Algebra II**)



***Note: Students who do not take Chemistry may meet the high school graduation requirements but this does not position them for career and college readiness.***



# See Student Booklet - Page 8



11th and/or 12th  
grade

Course Name	Prerequisites	Integration
AP Integrative Physics w/ Chemistry (One-semester)	Biology	Introduces basic concepts of Chemistry & Physics
Chemistry (On-level, K, or II)	Biology and Algebra I	Characteristics of matter; use of Periodic Table
Physics (On-level, K, or II)	Biology & completion or concurrent with Algebra I	Laws of motion & forces; energy, waves; & electricity
Aquatic Science (On-level)	Biology	Fresh water & marine aquatic systems
Astronomy (On-level)	Biology	Moon; stars; planets; space exploration
Earth and Space (On-level, K, or II)	Biology, Chemistry & completion or concurrent with 3 <sup>rd</sup> science & 3 <sup>rd</sup> math	Earth's systems and space
Environmental Systems (On-level)	Biology and IPC or Chemistry	Native plants & animals, endangered species, disasters & events that affect the environment
AP Biology	Biology and Chemistry	Molecular biology; cellular processes; human genetics; plants & animals; college prep course
AP Chemistry	Chemistry and Algebra II	In-depth study of chemistry; comparable to a first year college course
AP Physics I	Completion or concurrent enrollment in Algebra II	May substitute for Physics Algebra-based; the equivalent of a first semester algebra-based Physics college course but taught over a full year
AP Physics II	Physics K or AP Physics I <u>and</u> completion or concurrent enrollment in Precalculus	Algebra-based; comparable to a second semester algebra-based college Physics course but taught over a full year
AP Physics C (2 credits/2 period blocks)	Physics or AP Physics I <u>and</u> completion or concurrent enrollment in Calculus	Calculus-based; principles of mechanics, electricity, & magnetism; the equivalent of calculus-based college Physics for engineers & science majors
AP Environmental Science	Biology and Chemistry	Identify & analyze natural and human-made environmental problems
Anatomy & Physiology K	Biology and Chemistry; recommended – Medical Term & Pin of Health Sci Grades 11-12	Organ systems & physiology; dissection techniques; cause & effect of disease
Food Science K	Culinary Arts <u>and</u> three units of science (including Biology & Chemistry) Grades 11-12	Study of the nature of foods; the causes of deterioration; the principles underlying food processing; and the improvement of foods for the consuming public
Forensic Science K	Biology and Chemistry; recommended – Medical Term & Pin of Health Sci Grades 11-12	Terminology and investigative procedures related to crime scene investigation – fingerprint analysis, ballistics, and blood spatter analysis
Engineering Design & Problem Solving K	Algebra II = Biology, Chemistry & Physics (or concurrent) <u>and</u> Engineering Design & Presentation I Grades 11-12	Use the engineering design process cycle to investigate, design, plan, create, and evaluate solutions
Advanced Animal Science K	Biology, Chemistry, and Vet Med or at least one credit from the following: Small Animal, Equine Science, or Livestock Production; Grades 11-12	For students seeking career in animal science
Advanced Plant and Soil Science K	Biology, Chemistry, and Horticultural Science; Grades 11-12	Provides a way of learning about the natural world; basis for many other fields of science
Pathophysiology K	Biology and Chemistry; recommended – Medical Term & Pin of Health Sci Grades 11-12	Study of the disease process and how humans are affected

**PACE**  
**Health**  
**LOTE/**  
**Foreign Language**



**Other**  
**Required**  
**Courses for**  
**Graduation**

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# PACE

## Personal, Academic, and Career Exploration

- ▣ Required in 9<sup>th</sup> grade
- ▣ .5 credit (one semester)
- ▣ Not available to take in Summer School
- ▣ The state required speech TEKS are embedded in this class



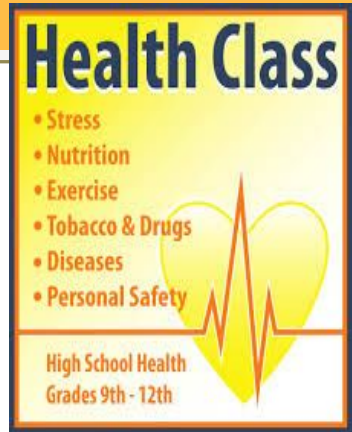
# Health

- .5 credit required by the district for graduation
- Can be paired with PACE
- May also be taken in any grade or through correspondence, summer school, or credit-by-exam

- ***Principles of Health Science***

(1.0) will also satisfy the Health requirement

*(recommended for those choosing the Public Services/Health Science endorsement) May be taken in grades 9-10*



# LOTE/Foreign Language

□ 2 credits of the same foreign language

□ Spanish

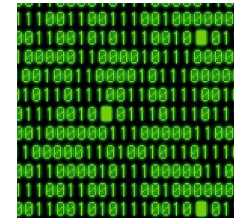
□ French

□ German

□ Latin

□ American Sign Language *(Cy-Ridge & Langham Creek only)*

□ Computer Programming



# Fine Arts

# Physical Education

**1 credit Fine Arts required**  
**1 credit PE required**



## Other Required Courses for Graduation

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# Graduation Requirements

*English*

(4 credits required)

# Select *English* courses & levels for all 4 years of high school

## ENGLISH

### 4 credits required – English I, II, III, and IV

- 9<sup>th</sup> – 10<sup>th</sup> Grade: Indicate a level for English I & II (On-level, K, or H)
- 11<sup>th</sup> – 12<sup>th</sup> Grade: Indicate a level for English III & IV (On-level, K, K/DC, H/DC, AP & H/AP)

# Fine Arts

- ▣ 1 credit required
  - ▣ (2 sequential semesters of the same course)
- ▣ Course I may be taken in 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, or 12<sup>th</sup>
  - ▣ (Band I and Orchestra I require playing experience)
- ▣ Classes include:
  - ▣ Art
  - ▣ Music
  - ▣ Theater
  - ▣ Dance
  - ▣ Floral Design
    - ▣ (Required prerequisite or concurrent enrollment in Principles of Ag)



# Art

- Art I can be taken in any grade 9th – 12th
- Art classes are selected based on a specific area of focus.

## Art I, II, III, IV

- Drawing/Painting
- Ceramics/Sculpture
- Photography
- Digital Art & Media

## AP

- Art Drawing
- Art 2-D Design
- Art 3-D Design
- Art Photography
- Digital Art & Media
- Art History





# Music

## Band or Band/Color Guard

Band I, II, III, IV

*Students new to the CFISD Band program should have playing experience.*

or

Band I-CG, II-CG, III-CG, IV-CG (Color Guard)



\*Band I or Band I-Color Guard will provide the student with the required graduation credit in **Fine Arts**. Completion of Band II or Band II-CG will meet the graduation requirement in **P.E.**

# Music

## Choir

### Choir I, II, III, IV

- Choir I can be taken in any grade  
9<sup>th</sup> – 12<sup>th</sup>



# Music

## Orchestra

FINE ARTS



### Orchestra I, II, III, IV

- ▣ Orchestra I can be taken in any grade  
9<sup>th</sup> – 12<sup>th</sup>

*Students new to the CFISD Orchestra program should have playing experience.*

# Theatre

## Theatre Arts I, II, III, IV

- ▣ Acting / Performance



## Technical Theatre I, II, III, IV

- ▣ Set design/Lighting/Props/Costumes

## Theatre Production I, II, III, IV

- ▣ Production process as it relates to acting & technical theatre;  
**Teacher approval required**

## Dance Team

### Dance I (Fine Arts), Dance Team II, III, IV

- ▣ Development of skills, training and performing at events and competitions on the Dance Team (tryouts required)

\*Dance I (FA) will provide the student with the required graduation credit in **Fine Arts**.  
Completion of Dance Team II (PE substitute) will meet the graduation requirement in **P.E.**

## Dance

### Dance I (Fine Arts), Dance II (PE), III, IV

- ▣ Development of skills in a variety of dance techniques

\*Dance I (FA) will provide the student with the required graduation credit in **Fine Arts**. Completion of Dance II (PE) will meet the graduation requirement in **P.E.**

**S**tudents taking at least two years of Dance Team or Dance, should schedule the

Dance I (FA), Dance Team II (PE sub), Dance Team III, Dance Team IV

or

Dance I (FA), Dance II (PE), Dance III, Dance IV

*Examples:*

Fine Art credit course as Course I and the PE credit course as Course II

# FINE ARTS

## Fine Arts

➤ **Fine Arts - 1 credit required (choose one)**

Students must take 2 sequential semesters of the same course to meet the Fine Arts requirement

### Dance

- \_\_\_\_\_ Dance I (45273), II (45283), III (45323), IV (45423)
- \_\_\_\_\_ Dance Team I (45113), II (45253), III (45313), IV (45413)

### Art

- \_\_\_\_\_ Drawing & Painting I (70123), II (70523), III (70923), IV (72523), AP Art Drawing (71453), AP Art 2-D Design (71353)
- \_\_\_\_\_ Ceramics/Sculpture I (70223), II (70623), III (71023), IV (72533), AP Art 3-D Design (71553)
- \_\_\_\_\_ Photography I (70323), II (70723), III (71123), IV (72623), AP Art Photography (71753)
- \_\_\_\_\_ Digital Art & Media I (70113), II (70423), III (71223), IV (71233), AP Digital Art & Media (71853)
- \_\_\_\_\_ AP Art History (71653)

### Music

- \_\_\_\_\_ Band I (75113), II (75213), III (75313), IV (75413)
- \_\_\_\_\_ Band I/Color Guard (76713), II/CG (76723), III/CG (76733), IV/CG (76743)
- \_\_\_\_\_ Choir I (78153), II (78253), III (78353), IV (78453)
- \_\_\_\_\_ Orchestra I (77143), II (77243), III (77343), IV (77443)
- \_\_\_\_\_ AP Music Theory (79153)

### Theatre

- \_\_\_\_\_ Theatre Arts I (74123), II (74223), III (74323), IV (74423)
- \_\_\_\_\_ Technical Theatre I (73923), II (74023), III (74033), IV (74043)
- \_\_\_\_\_ Theatre Production I (74723), II (74823), III (74923), IV (75023)

### Floral Design

- \_\_\_\_\_ 93133 (Grades 10-12 only); required prerequisite or concurrent enrollment in Principles of Ag

# Physical Education

(or PE substitution)

- 1 credit required
- can be taken in 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, or 12<sup>th</sup> grade
- may earn a maximum of **2** credits in **PE** towards graduation
- May earn up to **4** credits of PE in **Athletics** or **PE Substitutes** towards graduations

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# Programs of Study

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# *Endorsements*


**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 12-13)***


**Programs of Study** are a coherent sequence of CTE courses, industry-based certifications, & work-based learning designed to ensure students are prepared for in-demand, high-skill, high-wage careers. They also support the completion of an endorsement.



## SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS

### Programs of Study

#### STEM Endorsement



STEM 1 PROGRAMMING & SOFTWARE DEV	STEM 2 CYBERSECURITY	STEM 3 ENGINEERING	STEM 4 STEM ACADEMY FOR ARC <small>(HOUSED AT CYPRESS SPRINGS APPLICATION REQUIRED)</small>
<b>9th Grade</b> Computer Science Principles AP (1) or Computer Science I K (1)	<b>9th Grade</b> Principles of Info Tech (1) 8th gd only Networking (1)	<b>9th Grade</b> Principles of Applied Engineering (1)	<b>9th Grade</b> Computer Science I K (1-LOTE) Manufacturing Engineer Tech I K (1)
<b>10th Grade</b> Computer Science Principles AP (1) or Computer Science I K (1) or Computer Science II K (1)	<b>10th Grade</b> Computer Science I K (1) <b>and</b> *Internetworking Technologies I (1)	<b>10th Grade</b> Engineering Design & Presentation I (1)	<b>10th Grade</b> Computer Science II K (1-LOTE) Digital Electronics K (1-math)
<b>11th Grade</b> Computer Science Principles AP (1) or Computer Science II K (1) or *Computer Science III K (1)	<b>11th Grade</b> *Internetworking Technologies II (1)	<b>11th Grade</b> *Engineering Design & Presentation II (2)	<b>11th Grade</b> *Computer Science III (1) *Engineering Math K (1-math)
<b>12th Grade</b> *Computer Science III K (1) or *Project-based Computer Science: Mobile App Development K (1)	<b>12th Grade</b> *Project-based Research in Networking: Cybersecurity (1) <b>and/or</b> *Practicum in Info Tech (2)	<b>12th Grade</b> *Eng Design & Problem Solving K (1-science) or *Practicum in STEM (2)	<b>12th Grade</b> *Project-based Computer Science: Robotics Programming K (1) *Scientific Research & Design I K (1-science)
<b>Certifications</b> **Oracle Java SE Programming	<b>Certifications</b> **CompTIA A+ IT Specialist Python IT Specialist Device Configuration IT Specialist Networking or IT Specialist Network Security	<b>Certifications</b> **Autodesk Inventor	<b>Certifications</b> **Certified SolidWorks Associate IT Specialists: Python & Java **Oracle Java SE Programming
<b>Careers</b> Computer Network Architect (\$121K) Computer Programmer (\$80K) Software Developer (\$103K)	<b>Careers</b> Information Security Analyst (\$119K) Computer Systems Analyst (\$88K) Computer Network System Admin (\$96K)	<b>Careers</b> Industrial Engineer (\$97K) Mechanical Engineer (\$91K) Chemical Engineer (\$113K) Electrical Engineer (\$98K)	<b>Careers</b> Mechanical/Electrical Engineer(\$95K) Hardware Engineer (\$116K) Industrial Designer-CAD (\$69K) Software Engineer (\$103K)

\*Meets Advanced Course Requirement for STEM Endorsement  
 \*\*Meets Requirement to Earn Performance Acknowledgment

For more information, see your counselor, CTE teachers, or <https://tinyurl.com/CTECFISD>.

Now...

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

**AGRICULTURE, FOOD AND NATURAL RESOURCES**

**Endorsement: Business & Industry**

<b>AG 1 ANIMAL SCIENCE</b>
<b>9th Grade</b> Principles of Agriculture (1)
<b>10th Grade</b> Small Animal Mgmt (0.5) and Equine Science (0.5) or Livestock Production (1)
<b>11th Grade</b> *Veterinary Med Appl (1) or Livestock Production (1)
<b>12th Grade</b> *Adv Animal Science K (1-science) or *Practicum in Ag (2)
<b>Certifications</b> Quality Counts Verification Fear Free Veterinary Certification **Equine Mgmt & Evaluation **Fundamentals of Animal Science **Veterinary Medical Appl Cert **Certified Vet Assistant Lvl 1 & 2
<b>Careers</b> Certified Vet Assistant (\$15/hour) Animal Breeders (\$39K) Animal Scientists (\$58K) Zoologists (\$67K) Veterinarians (\$93K)

# 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)

Course Title	Course #	Grade Level (s)	Description
Professional Communications (.5 credit)	06020	9-12	Develop effective interpersonal communication skills
Touch System Data Entry (Keyboarding) (.5 credit)	51220	9-10	Develop keyboarding & formatting skills needed for success in the workplace
LeadWorthy (.5 credit)	60220	9-12	Activity-oriented course designed to develop personal responsibility, leadership, and professional skills through explicit social-emotional participatory learning experiences
Photojournalism (.5 credit)	08620	9-12	Introduces the world of photography and journalism; must have your own digital camera
Principles of Education & Training	86423	9-11	Basic knowledge and skills needed for a career in education
Lifetime Nutrition & Wellness (.5 credit)	85720	9-11	<b>9<sup>th</sup> graders may enroll after taking Principles of Human Services or Principles of Hospitality &amp; Tourism in middle school</b> Nutrition, digestion, calories/metabolism, diet-related diseases, food allergies, safety & sanitation in food preparation
Automotive Basics	93943	9-11	Basic repair, maintenance and servicing of vehicle systems
Business Information Management I	54623	9-12	Word processing, spreadsheets, multimedia presentations, databases, internet research, & emerging technologies
Journalism I	08123	9-12	<b>Required prerequisite for Adv. Journalism I – Yearbook or Adv. Journalism I - Newspaper</b> Writing, technology, visual, and electronic media are used as tools for learning as students produce effective communications
Debate I	06513	9-12	<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	94023	9-11	Hair style, manicures, skin care, make up, and other aspects of the personal care service industry
Digital Media	54543	9-12	Design and create multimedia projects using Adobe Photoshop; potential for certification
Child Development	85233	10-12	Child growth from prenatal through school-age children
Money Matters	53913	9-12	Bank record management, credit cards, investing, insurance and budgets
Creative & Imaginative Writing (.5 or 1 credit)	09520 09523	10-12	Develop increased skill, creativity, and versatility as writers
ACT/SAT Prep (.5 credit)	00370	11-12	<b>Prerequisite: Completion of or concurrent enrollment in Algebra II</b> Provides students with strategies for college entrance exams
African-American Studies	14213	10-12	Focus on the historical and cultural contributions of African-Americans
Mexican-American Studies	14113	10-12	Focus on the historical and cultural contributions of Mexican-Americans
Psychology (.5 credit) <b>or</b> Psychology AP (.5 credit)	13620 13650	11-12	Understanding the concept of human behavior, theories of personality, human growth & development
Sociology (.5 credit)	13420	11-12	Understanding of self and the society in which one lives
Street Law (.5 credit) <b>or</b> (1 credit)	13720 13723	11-12	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) <b>or</b> (1 credit)	14010 14113	11-12	Study of geography, culture, history, politics, and economic development of selected regions
PALS I PALS II	60023 60123	11-12	Peer Assistance & Leadership program; work as a peer mentor with elementary, middle & high school age youth; effective training in resiliency strategies. <b>Application required</b>
College Readiness & Study Skills (.5 credit)	00340	12	Open to students who plan to attend post-secondary education; designed to help students transition into the post-secondary environment

## Complete & Check Your 4-Year Plan

- Add courses in Xello
- List Alternate Electives for 9<sup>th</sup> Grade (1<sup>st</sup> & 2<sup>nd</sup> choice)

<b>Directions:</b> 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 _____ (Level)	English II _____ (Level)	English III _____ (Level)	English IV: _____ (Level)
2		Math: _____ (Level) _____	Math: _____ (Level) _____	Math: _____ (Level) _____	Math: _____ (Level) _____
3		Biology _____ (Level)	Science: _____ (Level) _____	Science: _____ (Level) _____	Science: _____ (Level) _____
4		(Course #)	(Course #)	U.S. History _____ (Level)	Government (½) _____ (Level) Economics (½) _____ (Level)
5		PACE (½) _____ 00120 _____ (½) _____	(Course #)	(Course #)	(Course #)
6		(Course #)	(Course #)	(Course #)	(Course #)
7		(Course #)	(Course #)	(Course #)	(Course #)



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

2. \_\_\_\_\_

**EXAMPLE - PUBLIC SERVICES, E&T 1– TEACHING & TRAINING**

**+ ARTS & HUMANITIES, OPTION 3 FINE ARTS-MUSIC (BAND)**

**+ MULTIDISCIPLINARY, OPTION 1 (4 X 4)**

Periods	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 IV
2		Math: Algebra I	Math: Geometry	Math: Algebra II	Math: College Algebra K
3		Biology	Science: Chemistry	Science: Physics	Science: Earth & Space
4		PACE (.5) & Health (.5)	Principles of Education & Training	US History	Government (.5) & PFL + Economics (.5)
5		Band I	Band II	Band III	Band IV
6	Spanish I	Spanish II	Spanish III K	Teacher Prep I	Teacher Prep 2
7		World Geography	World History		

# Let's Review

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# Complete the

# 4-Year Plan!

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