

# *Time to choose your Endorsement ...*

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Review all of the  
Endorsement  
areas and Options  
(pages 7 & 8 in your  
Student Booklet)



## Cypress-Fairbanks ISD - The Endorsements


A student must complete the Foundation High School Program (22 credits), one additional math credit, one additional science credit, and two additional elective credits while completing the specific requirements of his/her selected endorsement.

<b>STEM</b> <i>Science, Technology, Engineering, &amp; Math</i>	<b>Business &amp; Industry</b>	<b>Public Services</b>	<b>Arts &amp; Humanities</b>	<b>Multidisciplinary Studies</b>
<p>Students may earn a STEM endorsement by selecting and completing the requirements from among these <b>5</b> options.</p> <p><b>Note:</b> Algebra II, Chemistry, and Physics are required for the STEM endorsement <b>regardless</b> of the option the student selects from below.</p> <p><b>Option 1: Computer Science (Technology)</b> Students take 4 computer science courses.</p> <ul style="list-style-type: none"> <li>• Computer Science 1 K</li> <li>• Computer Science Principles AP</li> <li>• Computer Science II K</li> <li>• Computer Science III K</li> <li>• Project-based Research in Computer Science K</li> </ul> <p><b>Option 2: CTE (Engineering)</b> Students earn four (4) CTE credits by taking at least two (2) courses in the same cluster that lead to a final course in the STEM cluster. At least one (1) of the courses must be advanced CTE course (3rd year or higher course in a sequence).</p> <p><b>Option 3: Math</b> Students take Algebra I, Geometry, and Algebra II AND two (2) of the following courses for which Algebra II is a prerequisite.</p> <ul style="list-style-type: none"> <li>• Pre-Calculus</li> <li>• Calculus AB or BC</li> <li>• Statistics AP</li> <li>• AQR K</li> <li>• Advanced Algebra</li> <li>• College Algebra K</li> </ul> <p><b>Option 4: Science</b> Students take Biology, Chemistry, and Physics, AND two (2) of the following courses.</p> <ul style="list-style-type: none"> <li>• AP Chemistry</li> <li>• AP Biology</li> <li>• Anatomy &amp; Physiology</li> <li>• AP Environmental Science</li> <li>• AP Physics I</li> <li>• AP Physics II</li> <li>• AP Physics C</li> <li>• Aquatic Science</li> <li>• Astronomy</li> <li>• Earth &amp; Space Science</li> <li>• Environmental Systems</li> <li>• Forensic Science</li> <li>• Engineering Design &amp; Problem Solving</li> <li>• Advanced Animal Science</li> <li>• Advanced Plant and Soil Science</li> <li>• Pathophysiology</li> </ul> <p><b>Option 5: Combination</b> Students take Algebra II, Chemistry, and Physics, an additional math course, an additional science course, AND three (3) additional credits from Option 1 (Computer Science) and/or Option 2 (CTE) in the STEM endorsement. If the combination plan includes a CTE course, at least one (1) course must be advanced.</p>	<p>Students may earn a Business &amp; Industry endorsement by selecting and completing the requirements from among these <b>3</b> options.</p> <p><b>Option 1: CTE</b> Students earn four (4) credits by taking at least two (2) courses in the same cluster in one of the following areas</p> <ul style="list-style-type: none"> <li>• Agriculture, Food and Natural Resources</li> <li>• Architecture and Construction</li> <li>• Arts, Audio/Video Technology, and Communication</li> <li>• Business Management and Administration</li> <li>• Finance</li> <li>• Hospitality and Tourism</li> <li>• Information Technology</li> <li>• Manufacturing</li> <li>• Marketing</li> <li>• Transportation, Distribution, and Logistics</li> </ul> <p>with at least one (1) advanced (3rd year or higher course in the sequence).</p> <p><b>Option 2: English</b> Students take four (4) English elective credits that include three levels in one of the following areas</p> <ul style="list-style-type: none"> <li>• Advanced Journalism:</li> <li>• Newspaper or Yearbook</li> <li>• Debate</li> </ul> <p><b>Option 3: Combination</b> Students take a coherent sequence of four (4) credits from Option 1 and 2. Combination plan must include one (1) advanced CTE course.</p>	<p>Students may earn a Public Services endorsement by selecting and completing the requirements from among these <b>2</b> options.</p> <p><b>Option 1: CTE</b> Students earn four (4) credits by taking at least two (2) courses in the same career cluster in one of the following areas</p> <ul style="list-style-type: none"> <li>• Education and Training</li> <li>• Health Science</li> <li>• Human Services</li> </ul> <p>With at least one (1) advanced (3rd year or higher course in the sequence).</p> <p><b>Option 2: AFJROTC</b> Student takes four (4) AFJROTC courses for (4) credits</p>	<p>Students may earn an Arts &amp; Humanities endorsement by selecting and completing the requirements from among these <b>2</b> options.</p> <p><b>Option 1: Social Studies</b> Students should earn five (5) social studies credits.</p> <p><b>Option 2: Languages Other Than English (Foreign Language)</b> Students take four (4) levels of the same foreign language.</p> <p style="text-align: center;"><b>OR</b></p> <p>Students take two (2) levels of one foreign language AND two (2) levels of a different foreign language (two levels in each of two different foreign languages for 4 credits).</p> <p><b>Option 3: Fine Arts</b> Students take four (4) courses in the same fine arts area for 4 credits</p> <p style="text-align: center;"><b>OR</b></p> <p>Students take two (2) courses in one fine arts area AND two (2) courses in a different fine arts area (two courses in each of two different fine arts areas for 4 credits).</p>	<p>Students may earn a Multidisciplinary Studies endorsement by selecting and completing the requirements from among these <b>2</b> options.</p> <p><b>Option 1: Four by Four (4 X 4)</b> Students take four (4) courses in each of the four core content areas.</p> <ul style="list-style-type: none"> <li>• Four (4) English credits including English IV</li> <li>• Four (4) math credits</li> <li>• Four (4) science credits including biology and chemistry and/or physics</li> <li>• Four (4) social studies credits</li> </ul> <p><b>Option 2: AP / Dual</b> Students take four (4) Advanced Placement (AP) or four (4) Dual Credit courses for four (4) credits in English, math, science, social studies, foreign language, or fine arts.</p> <p style="text-align: center;"><b>OR</b></p> <p>Students take a combination of Advanced Placement (AP) or Dual credit courses for four (4) credits in English, math, science, social studies, foreign language, or fine arts.</p>



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 <p><b>Review the Endorsements and Options</b></p>				



# Complete the following...



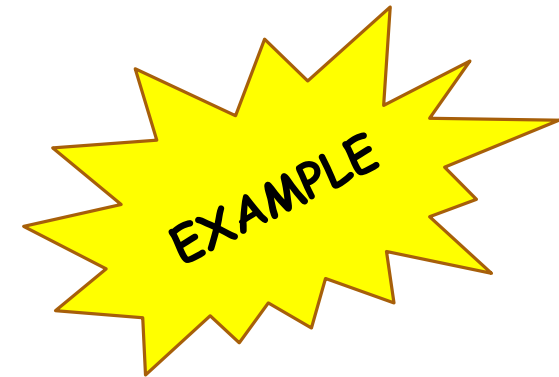
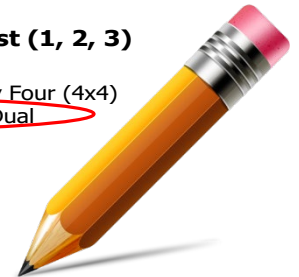
**Engineer**

**My Career Goal:** \_\_\_\_\_

**Endorsement(s) - If choosing multiple endorsements, rank in order of interest (1, 2, 3)**

- 1  STEM – 1 Computer Science
- 1  STEM – 2 CTE (Engineering)
- STEM – 3 Math
- STEM – 4 Science
- STEM – 5 Combination
  
- Business & Industry – 1 Ag, Food & Natural Resources
- Business & Industry – 1 Architecture and Construction
- Business & Industry – 1 Arts, AV/Video Technology & Communication
- Business & Industry – 1 Business Management and Administration
- Business & Industry – 1 Finance
- Business & Industry – 1 Hospitality and Tourism
- Business & Industry – 1 Information Technology
- Business & Industry – 1 Manufacturing
- Business & Industry – 1 Marketing
- Business & Industry – 1 Transportation, Distribution & Logistics
- Business & Industry – 2 English (Journalism – Newspaper or Yearbook)
- Business & Industry – 2 English (Debate)
- Business & Industry – 3 Combination
- Public Services – 1 Education & Training
- Public Services – 1 Health Science
- Public Services – 1 Human Services
- Public Services – 2 AFJROTC
  
- Arts and Humanities – 1 Social Studies
- Arts and Humanities – 2 Foreign Language
- Arts and Humanities – 2 Foreign Language Combo
- Arts and Humanities – 3 Dance
- Arts and Humanities – 3 Fine Arts Combo
- 2  Arts and Humanities – 3 Music (Band/Color Guard)
- Arts and Humanities – 3 Music (Choir)
- Arts and Humanities – 3 Music (Orchestra)
- Arts and Humanities – 3 Theater Arts
- Arts and Humanities – 3 Visual Art

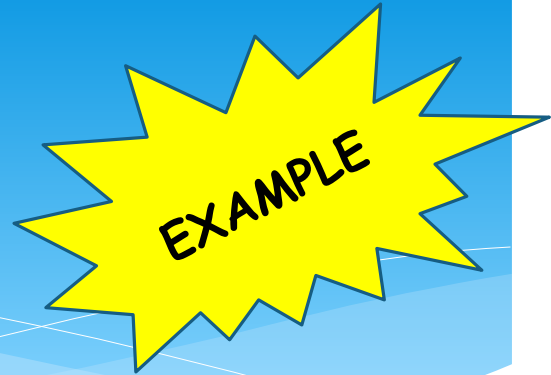
- 3  Multidisciplinary Studies – 1 Four by Four (4x4)
- 3  Multidisciplinary Studies – 2 AP or Dual





# Complete:

- \*Personal Information
- \*Career Goal
- \*Endorsement & Option



\* ◆ 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- 2 - CTE (Engineering)**

2 - **Arts & Humanities- 3 - Music (Band)**

3 - **Multidisciplinary Studies- 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>



# List High School Credit Courses Taken in Middle School



**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	<b>(Ex.) Algebra I</b>	Math: _____	Math: _____	Math: _____	Math: _____
3		Biology	Science: _____	Science: _____	Science: _____
4		PACE ( 1/2 ) / _____		U.S. History	Government ( 1/2 ) / Economics ( 1/2 )
5	<b>(Ex.) Spanish I &amp; II</b>				
6	<b>(Ex.) Keyboarding</b>				
7	<b>(Ex.)Principles of Applied Engineering</b>				



# Make sure you have...

- Completed your personal information
- Written your Career Goal
- Listed at least one Endorsement, including Option # and Career Cluster
- Listed all High School credit courses taken in Middle School

