

The Woodlands College Park High School  
**FOUR YEAR PLANNING GUIDE**  
**CISD Foundation Plan with Endorsements**

**STEM Endorsement: Science, Technology, Engineering & Mathematics**

Requires Algebra II, Chemistry, Physics + 1 of the following:

- **Option A: Coherent sequence of 4 credits in CTE STEM**
- **Option B: Coherent sequence of four courses in computer science (*not currently available at TWCP*)**
- **Option C: 3 credits in mathematics (Algebra II + 2 additional credits for which Algebra II is the prerequisite)**
- **Option D: 4 courses in science (Chemistry, Physics + 2 additional advanced credits)**
- **Option E: Algebra II, Chemistry, Physics + 3 credits from no more than two of the above categories**



**STEM:** SCIENCE,  
TECHNOLOGY, ENGINEERING  
AND MATH

**K COURSE #:** CTE  
ELECTIVES

Careers	CTE Electives	STEM Electives	Adv. Science Approved Credits	Adv. Math Approved Credits	Other suggested electives for 4 Year Plan
Biochemist, Biophysicists Chemist Computer Programmers Engineer Environmental Scientist Geoscientist Oceanographer Physicist Mathematician Medical Biologist, Microbiologist Medical Scientist/Researcher Statisticians Physicists Video Game Designer	K535 Scientific Research & Design I K536 Scientific Research & Design II Electronics/Robotics	860 Computer Science I PreAP 863 AP Computer Science A	K4531 Forensic Sc K3551 H Anat & Pyhsiology 0411 Aquatic Science 0391 Earth and Space Sc 0421 Astronomy 0541 Organic Chemistry 0441 AP Environmental Sc 0151 AP Biology 0241 AP Chemistry 0281 AP Physics I 0351 AP Physics C	1701 Precalculus 1711 Precalculus PreAP 1791 Adv Quantitative Reasoning 1741 AP Statistics 1751 AP Calculus AB 1761 AP Calculus BC 1891 College Algebra	K3501 Prin of Health Science K201 Animation K202 Adv Animation-2  866 Digital Art & Animation 4001 Art I 4041 Art II Multimedia 4181 Art III Multimedia 4271 Art IV Multimedia

## Business and Industry Endorsement

### Option A: Coherent sequence of four English elective courses to include three levels of one of:

- Advanced Broadcast Journalism
- Advanced Journalism: Newspaper
- Yearbook
- Debate

### Option B: Coherent sequence of 4 credits from these CTE course clusters (including two in one cluster and one advanced course):


- Agriculture Food & Natural Resources
- Architecture and construction
- Arts/Audio-Visual Technology, and communications
- Business Management and Administration
- Finance
- Marketing
- Transportation, Distribution and Logistics

### Option C: Four Technology Application credits

### Option D: Four credits of any of the above in a coherent sequence that is documented in the student's 4-year plan



**K COURSE #:** CTE  
ELECTIVES

Careers	English Elective Courses	CTE Electives			Additional Elective Suggestions
<p>Editor, Grant Writer, News Service, Public Relations, Publications, Sports Information Director, Technical Writer, Author</p> <p>Architect, Landscaping, Interior Designer, HVAC Technician, Construction, Welder, Electrician, Carpenter, Roofer, Civil Engineer, Surveyor, Stone Mason,</p> <p>Veterinary Medicine, Farmer &amp; Rancher, Golf Course Manager, Game Manager, Zoologist, Biologist, Environ Engineer, Agriculture Inspector, Floral Designer, Animal Trainer, USDA,</p> <p>Multimedia Artist &amp; Animator, Graphic Designer, Broadcast Technician, Sound Engineering, Film &amp; Video Editor, Fashion Designer, Photographer, Information Sys Technology, Network Sys Analyst, Software Consultant, Website Admin, Database Admin,</p> <p>Banker, Accountants, Economist, Financial Advisor, Human Resources, Loan Officer, Marketing, Teller, Sales, Real Estate Agent and Broker, Event Planner, E-Marketer, Automotive Service Technician, Heavy Equipment Mechanic, Health &amp; Safety Engineers, Industrial Engineer</p>	<p><b>ARTS &amp; HUMANITIES</b></p> <p> 2411 Journalism</p> <p>2611 Debate I</p> <p>2621 Debate II</p> <p>2631 Debate III</p> <p>2641 Ind Study Debate</p> <p>2501 Newspaper I</p> <p>2511 Newspaper II</p> <p>2521 Newspaper III</p> <p>2531 Ind Study Newspaper</p> <p>2541 Yearbook I</p> <p>2551 Yearbook II</p> <p>2561 Yearbook III</p> <p>2571 Ind Study Yearbook</p> <p>2281 Creative Writing</p> <p>2461 Adv Lit Magazine 1</p> <p>2471 Adv Lit Magazine II</p> <p>8711E Desktop Publishing</p>	<p><b>Agriculture</b></p> <p>K100H Prin of Ag,Food &amp; Nat Res</p> <p>K103H Small Animal Mgt</p> <p>K102H Livestock Prod</p> <p>K104H Equine Science</p> <p>K114H Wildlife, Fish &amp; Ecology Mgt</p> <p>K117 Prin/Elements Floral Design</p> <p>K118 Landscape Des &amp; Turf Mgmt</p> <p>K1051 Veterinary Med Applications</p> <p>K121 Ag Mech &amp; Metal Tech</p> <p><b>Architecture &amp; Construction</b></p> <p>K1511 Interior Design</p> <p>K1521 Adv Interior Design</p> <p>K1551 Architecture Design (AutoCAD I)</p> <p>K1562 Adv Architecture Design (CAD II)</p>	<p><b>Arts, A/V Technology &amp; Comm</b></p> <p>K2071 Graphic Design &amp; Illustration</p> <p>K2082 Advanced Grap Des (2 pds)</p> <p>K201 Animation</p> <p>K202 Advanced Animation (2 periods)</p> <p>K203 Audio Video Production</p> <p>K204 Advanced Audio Video (2 pds)</p> <p>K213 Fashion Design</p> <p>K214 Advanced Fashion Des (2 periods)</p> <p><b>Business Mgt &amp; Administration</b></p> <p>K250H Prin of Bus,Marketing &amp; Finance</p> <p>K2521 Business Info Mgmt I</p> <p>K2531 Business Info Mgmt II</p> <p>K255H Business Law</p> <p>K2561 Global Business</p>	<p><b>Finance</b></p> <p>K300 Money Matters</p> <p>K301 Bank and Fin Svc</p> <p>K3041 Accounting I</p> <p>K3051 Accounting II</p> <p><b>Marketing</b></p> <p>K504H Sports &amp; Entert Marketing</p> <p>K5001 Advertising &amp; Sales Promotion</p> <p>K5011 Fashion Marketing</p> <p>K5021 Entrepreneurship</p> <p><b>Manufacturing</b></p> <p>K4761 Welding</p> <p>KM4762 Welding I (Lone Star)-2 credits</p> <p>KM4772 Welding II (Lone Star)-2 credits</p> <p><b>Transportation, Distribution &amp; Logistics (Off Campus)</b></p> <p>K579 Automotive Technology (ext day)</p> <p>K580 Adv Automotive Tech (ext day)</p> <p>K581 Collision Repair &amp; Refinishing</p> <p>K582 Adv Collision Repair &amp; Refinishing</p>	<p>860 Computer Science I PreAP</p> <p>863 AP Computer Science A</p> <p>866 Digital Art &amp; Animation</p> <p>400 Art I</p> <p>402 Art II Drawing,</p> <p>416 Art III Drawing</p> <p>425 Art IV Drawing,</p> <p>435 AP Art Drawing</p> <p>404 Art II Multimedia</p> <p>418 Art III Multimedia</p> <p>427 Art IV Multimedia</p> <p>041 Aquatic Science</p> <p>054 Organic Chemistry</p> <p>0441 AP Environmental Science</p>

## Public Service Endorsement

**Option A: Coherent sequence of 4 or more credits in CTE courses (2 in same cluster, one advanced) to include:**



- Education and training
- Human Services
- Health Science



**NAVIANCE**  
Family Connection

**K COURSE #: CTE ELECTIVES**

**Option B: Four courses in Junior Reserve Officer Training Corps ( JROTC )**

Careers	CTE Courses	Additional Elective Suggestions
<p>Teacher, School Psychologist, Counselor or Administrator, Fitness Trainer</p> <p>Doctor, Dentist, Audiologist, Speech-Language Pathologist, Physical Therapist, Physicians' Assistant, Dietician &amp; Nutritionist, Orthotist &amp; Prosthetist, Registered Nurse, Radiation Therapist, Diagnostic Medical Sonographer, Nuclear Medicine Technologist, Medical Records Technician, Massage Therapist, Respiratory Therapy, Optician, Pharmacy Technician, Nursing Aide, Research Neurologist, Geneticist, Cosmetic Dentist, Biomedical Engineer, Chiropractor, Pharmacist, Medical Scientist, Dental Hygienists, Home Health Care Aides, Health Care Administrator, Paramedic, LVN, Cosmetologist</p> <p>Lawyer, Social Worker, Detective and Criminal Investigator, Fire Inspector and Investigator, Police/Sheriff Officer, Firefighter, Fish/Game Warden, Animal Control Worker, Emergency Dispatcher, Bailiff, Correctional Officer and Jailer, Security Guard, Home Land Security, Forensics Crime Investigator, Paralegal</p>	<p><b>Education &amp; Training</b>            K275 Princ of Education and Training            K276 Human Growth &amp; Development            K2771 Instruct Pract in Ed &amp; Training            K2782 Pract Instruct Pract in Education &amp; Training (2 credits)</p> <p><b>Human Services</b>            K4031 Lifetime Nutrition &amp; Wellness            K379 Culinary Arts            K380 Pract in Culinary Arts (Offered at Conroe HS)            K411 Cosmetology 1 (Offered at OakRidge)- 3 credits            K412 Cosmetology 2 (Offered at OakRidge)- 3 credits</p> <p><b>Health Science</b>            K3501 Principles of Health Science            K351 Medical Terminology            K357 Pathophysiology            K3521 Health Science            K3532 Practicum in Health Science            K355 H Anatomy &amp; Physiology</p> <p><b>Junior Reserve Officer Training Corps</b>            JROTC 1            JROTC 2            JROTC 3            JROTC 4</p> 	<p>134H Psychology            135H AP Psychology            1031 AP Human Geography            0541 Organic Chemistry            K355 H Anat &amp; Pyhsiology            K300 Money Matters            K304 Accounting I            K305 Accounting II            K255H Business Law            K256 Global Business</p> <p>261 Debate I            262 Debate II            263 Debate III            2641 Ind Study Debate</p> 

# Arts and Humanities Endorsement



**K COURSE #:** CTE ELECTIVES

**Option A: Five Social Studies credits**

**Option B: Four levels of the same language other than English (LOTE)**

**Option C: Two levels of the same LOTE and two more levels of a different LOTE**

**Option D: Coherent sequence of 4 credits in one or two categories or disciplines of Fine Arts**

- Art
- Dance
- Theater Arts
- Band
- Choir
- Orchestra

----- FINE ARTS ELECTIVES -----

Careers	Social Studies Credits	LOTE	Art	Theater/Dance	Band, Choir, Orchestra
<p>Economist, Politician</p> <p>Archivists, Curators, Historian, Museum Technician</p> <p>Musician, Writer, Actor, Producers, Directors, Artist, Art Directors, Multimedia Artists, Photographer, Editor, Educator</p> <p>Graphic Designer, Fashion Designer</p> <p>Translator, Interpreters, Language teacher, Foreign Markets, U.S. Customs agents; U.S. Naturalization Service Agents, Foreign Travel Advisors, International Business</p>	<p>100 W. Geo</p> <p>102 W. Geo PreAP</p> <p>105 W. History</p> <p>106 W. History H</p> <p>110 US History</p> <p>111 US History H</p> <p>115H Government</p> <p>120H Economics</p> <p>134H Psychology</p> <p>154H Teen Leadership</p> <p>153 Student Council</p> <p>103 AP Human Geography</p> <p>108 AP World History</p> <p>112 AP US History</p> <p>129 AP Euro History</p> <p>117H AP Government</p> <p>122H AP Eco Mac</p> <p>135H AP Psychology</p>	<p>300 Spanish I</p> <p>301 Spanish 2</p> <p>302 Spanish 3</p> <p>302 Span 3 PreAP</p> <p>305 Spanish 4 AP</p> <p>306 Spanish 5 AP</p> <p>320 French 1</p> <p>321 French 2</p> <p>323 French 3 PreAP</p> <p>327 French 4 AP</p> <p>340 German I</p> <p>341 German 2</p> <p>343 German 3 PreAP</p> <p>345 German 4 AP</p> <p>370 Japanese I</p> <p>371 Japanese 2</p> <p>372 Japanese 3 PreAP</p> <p>377 Japanese 4 AP</p> <p>385 Chinese I</p> <p>386 Chinese 2</p> <p>387 Chinese 3 PreAP</p> <p>388 Chinese 4 AP</p>	<p>400 Art I</p> <p>401 Art II Ceramics</p> <p>415 Art III Ceramics</p> <p>438 Art IV Ceramics</p> <p>402 Art II Drawing</p> <p>416 Art III Drawing</p> <p>425 Art IV Drawing</p> <p>404 Art II Multimedia</p> <p>418 Art III Multimedia</p> <p>427 Art IV Multimedia</p> <p>406 Art II Painting</p> <p>419 Art III Painting</p> <p>428 Art IV Painting</p> <p>407 Art II Photography</p> <p>420 Art III Photography</p> <p>432 Art IV Photography</p> <p>409 Art II Sculpture</p> <p>422 Art III Sculpture</p> <p>430 Art IV Sculpture</p> <p>866 Dig Art &amp; Animation</p> <p>435 AP Art Drawing</p> <p>396 AP II Dim Design</p> <p>398 AP III 3D Design</p> <p>437 AP Art History</p>	<p>440 Theater I</p> <p>441 Theater II</p> <p>442 Theater III</p> <p>443 Theater IV</p> <p>455 Tech Theater I</p> <p>456 Tech Theater II</p> <p>457 Tech Theater III</p> <p>458 Tech Theater IV</p> <p><b>Dance</b></p> <p>555 Dance I</p> <p>556 Dance 2</p> <p>557 Dance 3</p> <p>558 Dance 4</p> <p><b>Level 2-4</b> Cheerleading</p> <p><b>Level 2-4</b> Drill Dance</p>	<p>647 Band</p> <p>502 Orchestra</p> <p>512 Choir</p> <p> <b>SELECT ANY LEVEL OF BAND, ORCHESTRA OR CHOIR FOR 4 YEAR PLANNING. YEARLY LEVELS ARE DETERMINED AFTER AUDITIONS.</b></p> <p><b>Additional Elective Suggestions</b></p> <p>K405H Child Development</p> <p>K277 Instruct Pract in Ed &amp; Training</p> <p>K2782 Pract Instruct Pract in Education &amp; Training (2 credits)</p> <p>134H Psychology</p> <p>135H AP Psychology</p> <p>103 AP Human Geography</p> <p>K250H Prin of Bus, Marketing &amp; Finance</p> <p>K252 Bus Information Management I</p> <p>K253 Bus Information Management II</p> <p>K255H Business Law</p> <p>K256 Global Business</p> <p>K207 Graphic Design &amp; Illustration</p> <p>K201 Animation, K202 Advanced Animation (2 periods)</p> <p>K203 Audio Video Production, K204 Advanced Audio Video</p> <p>K213 Fashion Design, K214 Advanced Fashion Des (2 periods)</p>

## Multi-Disciplinary Endorsement

**Option A: Four advanced courses that prepares a student to enter the Workforce successfully, or post-secondary education without remediation (no coherent sequence required)**

**Option B: Four credits in each of the four Foundation subject areas to include English IV and Chemistry and Physics**

**Option C: Four AP or dual credit courses selected from English, Math, Science, Social Studies, Economics, LOTE or Fine arts**

<b>List 4 Advance Courses</b>	<b>4 x 4 Curriculum</b>	<b>List 4 AP or Dual Credit Courses</b> English, Math, Science, Social Studies, Economics, LOTE or Fine arts
1.	<b>Math</b>	1.
	Algebra I, Geometry, Algebra II, _____	
2.	<b>Science</b>	2.
	Biology, Chemistry, Physics, _____	
3.	<b>English</b>	3.
	English I, English II, English III, English IV	
4.	<b>Social Studies</b>	4.
	W.Geography, W. History, US History, Economics, Government	