

Channelview ISD Four Year Plan

Foundation High School Program (FHSP) with Science Technology Engineering & Mathematics (STEM) Endorsement

STUDENT NAME: _____ ID#: _____ GRADE: _____

SUBJECT AREA	CREDITS	GRADUATION REQUIREMENTS	COURSE OPTIONS
ENGLISH	4	English I, English II, English III, Advanced English	Pre-AP English I, Pre-AP English II, AP English III, AP English IV, Debate III, Debate IV, Practical Writing Skills, Technical Writing Skills, Advanced Media Studies, Journalism III, Creative Writing, Public Speaking I, Public Speaking II, Public Speaking III, Visual Media Analysis & Production
MATH	4	Algebra I, Geometry, Algebra II, Advanced Math	Pre-AP Algebra I, Pre-AP Geometry, Pre-AP Algebra II, Math Strategies, Pre-AP PreCalculus, AP Statistics, AP Calculus AB, AP Calculus BC, Stats and Risk Management (CTE), Math Models with Application, Independent Study, Dual Credit
SCIENCE	4	Biology, Chemistry, Physics, Advanced Science	Pre-AP Biology, IPC or Pre-AP Chemistry, Pre-AP Physics, Advanced Animal Science (CTE), Advanced Plant and Soil Science (CTE), Anatomy and Physiology, Forensic Science (CTE), Engineering Design and Problem Solving, Environmental Systems, Horticulture (CTE), AP Biology, AP Chemistry, AP Physics, AP Environmental Science, Principles of Technology, Astronomy, Aquatic Science, Range and Ecology Management (CTE), Dual Credit
SOCIAL STUDIES	4	World History, U.S. History, Government (.5), Economics (.5), Advanced Social Studies	Pre-AP World Geography, Pre-AP US History, Pre-AP World History, Pre-AP Government, Pre-AP Economics, Sociology, Intro to Psychology AP European Studies, AP Psychology, AP World History, AP Human Geography, AP Art History, Independent Studies, Dual Credit
LOTE	2	Spanish, French	Spanish I, Spanish II, Spanish III, Spanish IV, French I, French II, French III
PHYSICAL EDUCATION	1	Physical Education	Athletics, Physical Education, Marching Band
SPEECH	.5	Professional Communications	Professional Communications, Communication Application (8 th)
FINE ARTS	1	Fine Arts	Art, Band, Choir, Dance, Theatre
ELECTIVES	5.5	Indicate Electives Below	
STEM A - CTE (Advanced CTE 3 rd or 4 th Course)		STEM B - MATH	STEM C - SCIENCE
		STEM D - COMBO (no more than 2 categories)	
CTE 1:		Math 5:	Science 5:
CTE 2:		Elective 1:	STEM Combo 1:
CTE 3*:		Elective 2:	STEM Combo 2:
CTE 4*:		Elective 3:	STEM Combo 3:
Elective 1:		Elective 4:	Elective 1:
Elective 2:		Elective 5:	Elective 2:
Elective 3:		Elective 6:	Elective 3:
Elective 4:			Elective 4:
TOTAL CREDITS	26	Distinguished Level of Achievement: Yes (Includes Algebra II)	

SUBJECT AREA	MIDDLE SCHOOL	GRADE 9	GRADE 10	GRADE 11	GRADE 12
ENGLISH					
MATH					
SCIENCE					
SOCIAL STUDIES					
LOTE					
PE / FINE ARTS					
ELECTIVES					
ELECTIVES					
ELECTIVES					
ELECTIVES					

Student Signature: _____

Date: _____

Parent/Guardian Signature: _____

Date: _____

Performance Acknowledgement

A student may earn a performance acknowledgement on the student’s diploma and transcript by completing one of the following:

- ✓ 12 hours in dual credit courses with a grade of A or B
- ✓ Earning an associate degree while in high school
- ✓ In bilingualism and biliteracy
- ✓ An Advanced Placement(AP) test (score of 3 or higher) or International Baccalaureate (IB) exam (score of 4 or higher), on the PSAT (National Merit/Commended Scholar), SAT (combined critical reading and mathematics score of 1250), or the ACT (composite score of 28)
- ✓ Earning an industry-based license or certification

Indicate which performance acknowledgement the student completed above: _____

**CHANNELVIEW ISD DISTINGUISHED ACHIEVEMENT GRADUATION PLAN
COURSE OPTIONS: STEM**

STEM—Math Option

(Five credits in mathematics by successfully completing Algebra I, Geometry, Algebra II, and two additional courses for which Algebra II is a prerequisite)

Course Name	Grade Level	Credits	ADV
Pre-AP Algebra II	11-12	1.0	
Math Strategies	11-12	1.0	
Pre-AP Precalculus	11-12	1.0	
AP Statistics	11-12	1.0	
AP Calculus AB	11-12	1.0	
AP Calculus BC	11-12	1.0	
Stats and Risk Management (CTE)	11-12	1.00	
Math Models with Application	11-12	1.00	
Independent Studies	11-12	1.00	
Dual Credit	11-12	1.00	

STEM—Science Option

(Five credits in science by successfully completing Biology, Chemistry, Physics and two additional science courses)

Course Name	Grade Level	Credits	ADV
Pre-AP Chemistry	11-12	1.0	
Pre-AP Physics	11-12	1.0	
Anatomy and Physiology	11-12	1.0	
Engineering Design and Problem Solving	11-12	1.0	
Environmental Systems	11-12	1.0	
AP Biology	11-12	1.0	
AP Chemistry	11-12	1.0	
AP Physics	11-12	1.0	
AP Environmental Science	11-12	1.0	
Principles of Technology	11-12	1.0	
Astronomy	11-12	1.0	
Aquatic Science	11-12	1.0	
Dual Credit	11-12	1.0	
Forensic Science	11-12	1.0	

STEM—CTE Option

(A coherent sequence of courses for four or more credits in CTE, including at least one advanced CTE course)

Course Name	Grade Level	Credits	ADV
Scientific Research and Design	11-12	1.0	
Engineering Design and problem Solving	11-12	1.0	
Advanced Animal Science	11-12	1.0	
Advanced Plant and Soil Science	11-12	1.0	
Forensic Science	11-12	1.0	
Horticulture	11-12	1.0	
Range and Ecology Management	11-12	1.0	
Concepts of Engineering and Technology	9-10	1.0	