

Northwest ISD Personal Graduation Plan - STEM Academy

Name: _____

Student ID: _____

Endorsement: STEM/Engineering ACADEMY (STENG)

Parent Signature: _____

Student Signature: _____

	7th Grade	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
English			STEM Honors English I	STEM Honors English II	STEM OnRamps English III	STEM English IV STEM AP English IV
Mathematics		8th Grade Math (not high school credit) Honors Algebra 1 Honors Geometry	STEM Honors Algebra I STEM Honors Geometry STEM OnRamps Algebra II	STEM Honors Geometry STEM OnRamps Algebra II Recommended: OnRamps PreCalculus	STEM OnRamps Algebra II Recommended: OnRamps PreCalculus AP Calculus AB or AP Calculus BC	Recommended: OnRamps PreCalculus AP Calculus AB AP Calculus BC Multivariable Calculus
Science			STEM Honors Biology	STEM Honors Chemistry	STEM OnRamps Physics	Advanced Science** _____
Social Studies			World Geography Honors World Geography AP Human Geography AP/GT Human Geography	World History Honors World History AP World History AP/GT World History	US History OnRamps US History AP US History AP/GT US History	Government (.5) AP Govt (.5) TCC DC Govt (.5) -and- Personal Financial Literacy (.5)
Engineering Elective			Engineering Design Process	Engineering Design & Presentation	Pick 1 Required Elective: Aerospace Design I or Civil Engineering I or Digital Electronics or Adv. Eng. Design & Present.	Engineering Design & Problem Solving
Required Elective(s)* or other Elective(s)		L.E.A.P. (1.0); Prof. Comm. (.5)	Optional Elective: Honors Computer Science I (LOTE)	Optional Elective: Honors Computer Science II (LOTE) or Foundations of Cybersecurity	Optional Electives: STEM SRD (Science) Honors Comp Sci III or Foundations of Cybersecurity	Optional Electives: Practicum in Engineering (2 credits) or CTE Project Based Capstone STEM
Required Elective(s)* or other Elective(s)			(1.0)	(1.0)	(1.0)	(1.0)
Alternate Electives			1. 2.	1. 2.	1. 2.	1. 2.

*Required electives include: Professional Communications (.5), PE (1.0), World Language (2.0 years of the same), and Fine Arts (1.0)

**Advanced Sciences include: Astronomy, Environmental Systems, Advanced Animal Science, Anatomy and Physiology, Forensic Science, AP Biology, AP Chemistry, AP Physics 1, AP Physics C (Mechanics), AP Physics C (Electricity and Magnetism), Scientific Research & Design STEM and AP Environmental Science