

SCHOOL OF ENGINEERING, INNOVATION, & DESIGN (EID)

My 4 Year Plan

GRADE 9	GRADE 10	GRADE 11	GRADE 12
Adv. English <u>or</u> English	Adv. English <u>or</u> English	Hrs. American Lit. <u>or</u> American Literature	Expository Reading & Writing
Integrated Math I <u>or</u> Integrated Math II Integrated Math III Pre-Calculus	Integrated Math II <u>or</u> Integrated Math III Pre-Calculus Calculus	Integrated Math III <u>or</u> Pre-Calculus Calculus Statistics/Data Analysis Mesa College Math	Pre - Calculus Calculus Statistics/Data Analysis Mesa College Math
Introduction to Green Technology (Physics Credit)	Adv. Biology 1-2 <u>or</u> Biology 1-2	Chemistry <u>or</u> Hrs. Chemistry Physics	Physics <u>or</u> Chemistry (if not taken in 11 th grade) Mesa College Courses
Adv. World History <u>or</u> World History	Writers Workshop	Hrs. U.S. History <u>or</u> U.S. History	Government/Economics
Physical Education <u>or</u> ROTC	Physical Education <u>or</u> ROTC	Physical Education <u>or</u> ROTC <u>or</u> Mesa College Courses	Physical Education <u>or</u> ROTC <u>or</u> Mesa College Courses
Introduction to Design 1-2 (PLTW)	Principles of Engineering (PLTW)	Civil Engineering & Architecture (PLTW) <u>and</u> Computer Integrated Manufacturing (PLTW)	Engineering, Design & Development (PLTW)
Spanish, ASB	Spanish <u>or</u> ASB <u>or</u> Mesa College Courses	Spanish <u>or</u> ASB <u>or</u> Mesa College Courses	Spanish <u>or</u> ASB <u>or</u> Mesa College Courses

CLASS OF 2020 9th Grade Student Schedule

TERM 1/SEMESTER 1		TERM 2/SEMESTER 2
Period 1	World History	English 1,2
Period 2	Introduction to Design (PLTW)	Introduction To Green Technology (Physics credit)
Period 3	Math (Integrated I,II, III, or Pre-Calc)	Math (Integrated I,II,III, or Pre-Cal)
Period 4	Physical Education or ROTC or Spanish	Physical Education or ROTC or Spanish

*4x4 schedule - provides students opportunities to accelerate by earning 16 credits in one year as compared to traditional master schedule where students earn 12 credits in one year.

Engineering & Architecture Course Sequence

Grade Level Course	Engineering	Architecture
9 th Grade Foundation Courses	Introduction to Design (PLTW) Introduction to Green Technology	
10 th Grade Intermediate Course	Principles of Engineering (PLTW)	
11 th Grade Advanced Courses	Computer Integrated Manufacturing (PLTW)	Civil Engineering & Architecture (PLTW)
12 th Grade Capstone Course	Engineering, Design & Development (PLTW)	

Project Lead the Way (PLTW) and San Diego State University Memorandum of Understanding with EID

The MOU guarantees admission to SDSU's College of Engineering if a student completes the following:

- *Register with the PLTW Affiliate Institute by their junior year
- *Attain a 3.0 GPA college-weighted
- *Apply to SDSU by the posted deadline (typically the end of November)
- *Complete all CSU A-G course requirements; including 4 years of math
- *Complete at least two PLTW courses with a minimum grade of "B"
- *Pass the ELM (Entry Level Math Placement Test)
- *Pass the EPT (Entry Level English Placement Test)
- *Have taken the SAT1 or ACT test
- *Submit a portfolio of their engineering work
- *Apply for PLTW scholarships

More information-- <https://goo.gl/63qJoJ>