

VMHS ENGINEERING PATHWAY

Career Technical Education (CTE)

VISTA MURRIETA HIGH SCHOOL



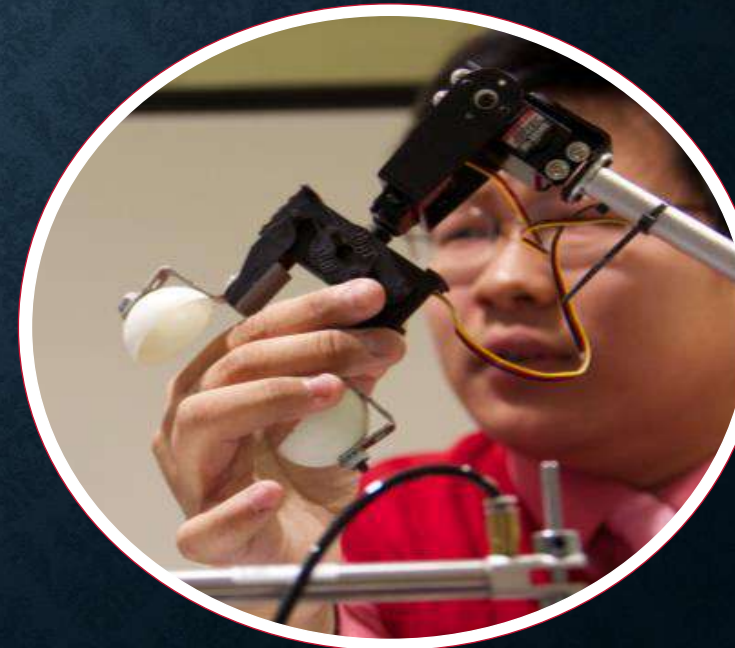


Activities (Instant Challenges)



Projects (Hands-on experience)

Problem-based Learning



ENGINEERING COURSE SEQUENCE (4 YEARS)

Year 1

V.P.A. credit

Intro to Design
(Engineering)
Course #2445

Year 2

Principles of
Engineering
(POE)
Course #2446

Year 3

Digital
Electronics
(DE)
Course #2448

Year 4

Engineering
Design &
Development
(EDD)
Course #2447



INTRODUCTION TO DESIGN (ENGINEERING) YEAR 1

- Design Process
- Technical Sketching and Drawing
- Measurement and Statistics
- Modeling Skills
- Geometry of Design
- Computer-Aided Design (CAD)
- Reverse Engineering
- Project Documentation
- Advanced Computer Modeling



Design Team

Design Challenges

Register for a Visual Art

Course:

Introduction to Design

(Engineering) Course #2445

Priority List:

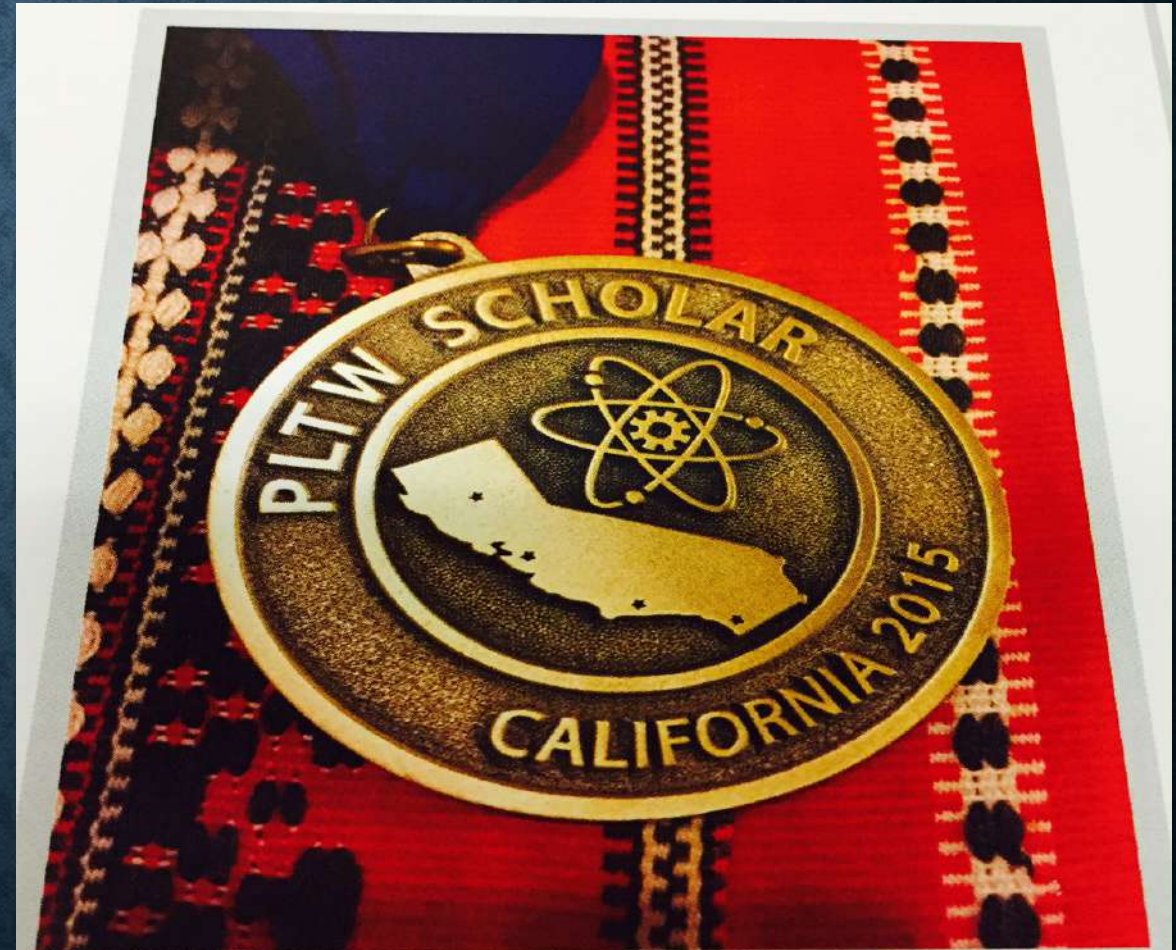
Grades: 9-10

Waiting List:

**Grades: 11-12 (submit name to
your counselor)**

RATE AN ENGINEERING MEDALLION

***“BE A PROJECT LEAD
THE WAY (PLTW)
SCHOLAR WHEN YOU
DO A 3 OR 4 YEAR
SEQUENCE OF THE
ENGINEERING
PATHWAY”***



**REGISTER FOR A VISUAL ART COURSE:
INTRODUCTION TO DESIGN (ENGINEERING)YEAR 1
COURSE #2445
OPEN TO GRADES: 9, 10, 11**

VMHS Applications available @ the Counseling Office, West /East Hall Offices

Contact: Mathematics and Engineering Teachers

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Classroom #C13/C14 (C Building)