



STEM Coordinator: Rock Tsang

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Hello and welcome to Raney's STEM Pathway.

My name is Rock Tsang but students often call me Mr. Rock. I have been teaching computer science since before I joined Raney and continue to do so with great passion. Through computer science, students learn how to problem solve with a computer. We also have robotics and 3-D printing classes that will help students gain critical exposure to STEM concepts. 0 period VEX robotics competition team is an optional class that goes out to competitions. We are proud to be the first middle school to pilot the STEM pathway in CNUSD.



**Raney Intermediate**  
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**Your child's future starts with STEM!**

**Please visit**

**<https://bit.ly/2PCixRU>**

**for application and info**

## Benefits of the Raney STEM Academy

- ◆ Priority admission to Corona STEM Academy upon completion of Raney STEM Academy
- ◆ Direct connection to Corona High School STEM Academy to future careers
- ◆ Robotics competition team available
- ◆ STEM themes across core subjects
- ◆ STEM field trips and guest speakers throughout the year

## WHAT IS STEM AND 3 REASONS WHY

STEM stands for Science, Technology, Engineering and Mathematics. Jobs in STEM can range from plumbers to astronauts and may not always require an advanced degree.

According to the PEW research center:

**1) "Employment in science, technology, engineering and math (STEM) occupations has grown 79% since 1990, from 9.7 million to 17.3 million, outpacing overall U.S. job growth."**

**And**

**2) "STEM workers enjoy a pay advantage compared with non-STEM workers with similar levels of education"**

Even if your child decides not to pursue a career in STEM

**3) "STEM training in college is associated with higher earnings, whether working in a STEM occupation or not. "**

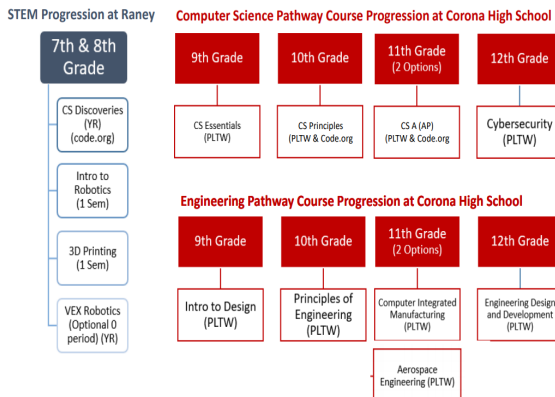
**Source:** <https://www.pewresearch.org/fact-tank/2018/01/09/7-facts-about-the-stem-workforce/>



## STEM Academy Highlights

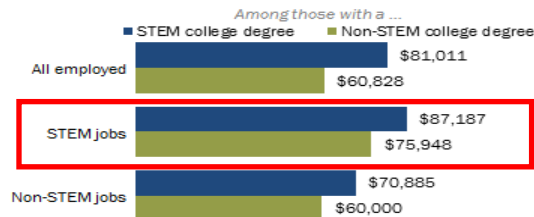
iFly Indoor Sky Diving Tour	Petersen Automobile Museum
PHP sales engineer	CPR Assembly
Norco College Robotics Competition	Manufacturing Day Field Trip
Corona High STEM tours	GoPro Video Conference
GSI presentation	VEX Robotics Competition
First Aid Training	Amazon Awards Assembly
STEM medals	STEM Banquet
CTE Expo	Outpatient Surgery Field Trip

### Corona STEM Academy Course Progression for 7<sup>th</sup> to 12<sup>th</sup> Grade



## STEM college majors tend to earn more than non-STEM college majors

Median annual earnings of full-time, year-round workers age 25 and older with at least a bachelor's degree



Note: Based on adults ages 25 and older employed full-time year-round with positive earnings who have completed a bachelor's degree. College degree refers to the major field of study of the bachelor's degree. STEM stands for science, technology, engineering and math.  
Source: Pew Research Center analysis of 2014-2016 American Community Survey (IPUMS). "Women and Men in STEM Often at Odds Over Workplace Equity"

PEW RESEARCH CENTER

