

CUSTOM CONTENT • February 3, 2020

EDUCATION, TRAINING

& Online Learning

K-12 STEAM GUIDE

Presented by



VANGUARD
UNIVERSITY

VU



VU100: THE FIRST 100

In 1920, Huldah and Harold Needham were called to start a school to educate Spirit-empowered, Christ-centered leaders. Then a small Bible school devoted to sending missionaries out to serve throughout the world, Vanguard University became the first four-year college in Orange County and now educates nearly 2,200 students across seven graduate degree programs and more than 30 undergraduate majors and concentrations. Though its name and location have changed over its nearly century-long existence, Vanguard remains committed to equipping and preparing young men and women to find their true calling, serve God and to change the world.

“With ten decades of milestones and achievements behind, Vanguard now focuses on what is beyond the next horizon. The mission remains the same: serve and equip students to find their true calling.”

Since its early days, Vanguard – then the Southern California Bible School – has been a leader in educational innovation, both within the Assemblies of God denomination and in Southern California. Though once devoted to training Christian missionaries, the University has expanded programs across multiple disciplines including psychology, nursing, business, communication, natural and social sciences, accounting, theology and more. Each department is taught and led by faculty dedicated to fostering

academic excellence, integrating faith with learning and to serving not just as professors, but as mentors and leaders to each student.

Beyond granting degrees, Vanguard remains committed to training young leaders to impact communities near and far. Whether in a boardroom or laboratory, mission field or ministry, Vanguard students are making a lasting and profound impact across the globe. From Anaheim to Mexico, the Philippines to Morocco, Vanguard students, staff and faculty have painted, paved, prayed and played throughout the world, making a lasting impact for nearly a century. Beyond missions, the Vanguard community extends via more than 30,000 alumni serving and working worldwide. Vanguard also is making a difference locally as a significant economic contributor to Orange County, generating \$89 million in economic impact, supporting 830 jobs and \$39 million in earnings.

With ten decades of milestones and achievements behind, Vanguard now focuses on what is beyond the next horizon. To best position the University for continued growth, they have begun fulfillment of a 30-year campus master plan. Approved by the Costa Mesa City Council in February 2019, the master plan establishes a long-term vision for the campus with new and reimagined buildings such as a learning resource center, gym and events center, STEM and multidisciplinary academic buildings, student housing, a parking structure and more. The first phase of the master plan will be complete in February 2020 with the opening of the University's first-ever multi-function student center.

As Vanguard begins its centennial celebration and forges ahead into the next century, their mission remains the same: serve and equip students to find their true calling while promoting academic excellence and cultivating Spirit-empowered lives.

VU100, commemorating Vanguard's 100th anniversary, continues through spring 2021. **Join the celebration at vanguard.edu/vu100.**



VANGUARD
UNIVERSITY

VU100



TITAN

noun ti·tan | tī-tən

one who stands out for
greatness of achievement

Cal State Fullerton



VALUE EXPERT

As an economist, Russell Mangum gives expert testimony in high-profile cases of intellectual property infringement and anti-trust litigation. His clients and cases have included companies as diverse as Microsoft, Monster Energy, Chipotle and Chicken of the Sea.

"I very much like that I get to look into so many markets, products and issues," Mangum says. "Every six months I'm doing something completely different than before."

After earning his MA and PhD in economics, he went to Washington, D.C., to work as an economist for the U.S. Federal Trade Commission, then eventually moved back to California and worked for companies including PricewaterhouseCoopers, Analysis Group and Nathan Associates for whom Mangum opened an office in Irvine. He is now a senior vice president there, conducting economic research and analysis, and providing expert testimony.

Mangum studies competition and market value to help courts and companies protect competition and intellectual property, and quantify damages related to restraints on competition and when intellectual property is infringed. A partial list of industries for which Mangum has performed damages analyses reads like a cross-section of the global economy. They include cases involving:

- automated stapling machines used in bed manufacturing
- high-rise elevator hardware and control systems
- business software
- padded athletic shirts, pants, shoes and headwear
- handheld device navigation applications
- semiconductors
- spinal fusion implants
- breast biopsy devices
- additive-infused candy
- a new variety of late ripening white grapes
- personal watercraft devices
- online dining reservation and payment services
- Internet search engine terms related to sales of food
- motion picture trademarks used on clothing furniture, both mechanized and non-mechanized
- portable combustion engines
- infant care products
- postal measuring products
- scented candles
- children's toys design plans for a theme amusement park.

On the competition side, Mangum also analyzes the magnitude of competition in markets, market power, and the likelihood of monopolization from certain events. He has given expert analysis for the competitive effects of proposed mergers and alleged collusion in industries including supermarkets, auto parts, cable systems and computer game software.



A recent high-profile case involved alleged price-fixing by the top three sellers of packaged tuna. In the process of evaluating the proposed merger of Chicken of the Sea and Bumble Bee Foods, the federal government found documents giving evidence of collusion to fix prices. All three of the big tuna packagers, including StarKist, admitted guilt. Mangum was hired to help determine whether the alleged conspiracy had had any economic effect. He built a statistical model to evaluate if prices were made higher and if the conspiracy likely worked to limit competition.

Mangum is also active in areas other than competition. He testified on behalf of Chipotle Mexican Grill related to charges of false statements about food product ingredients, and for Monster Energy Company and Disney Resorts, separately, in trademark and copyright infringement cases.

"In my analysis I get access to top-level company individuals — CEOs, executive vice presidents — people who rarely deal with the public," he says. "It's a pleasure to be around them and hear the way they evaluate their business. Economics can be so conceptual and theoretical that it's refreshing to talk to someone who is the ultimate pragmatist. Success for them isn't measured by published articles. It's measured by the customer who bought what they are selling."

Mangum enjoys the team-oriented approach at Nathan Associates.

"I get to work with smart people who are trained in economics and are very good at what they do," Mangum says. "That's the great thing about it, the cooperative team environment."

Today, Mangum teaches a full load of courses as an associate professor at CUI's School of Business and Economics. He brings stories of cases he is working on into the classroom, and invites students to trials where he is giving expert testimony exposing students to the many different vocational opportunities for economics majors and business majors with the just-introduced business economics emphasis.

"I enjoy the process of helping someone understand," Mangum says. "I love the critical thinking approach of economics, and learning there are systems behind it. I love teaching the students and seeing the light bulbs come on."

In his leisure time, Mangum ran his ninth marathon last fall, and recently took up regular surfing.

"I've surfed a little my whole life, but two years ago I was taking my daughter to a surf event with some church interns and it clicked with me," he says. "I like the outdoors and getting into that environment." ■

To learn more about the School of Business & Economics at Concordia University Irvine, please visit www.cui.edu/business or call 949-214-3017.



The best instructors never stop being students.



Russ Mangum, PhD
Economist and Value Expert
CUI Professor of Economics
Student of Surfing

Go to www.cui.edu/ValueExpert to see Russ' story.

The economy may have its swings, but those who know how to forecast and ride it out will always be in demand. Learn the secrets of how business and economics really work from experienced instructors who've built successful careers at it—and are still active in their fields. Along with knowledgeable, caring faculty who want to help their students succeed, Concordia University Irvine offers small class sizes that allow professors to devote more attention to students on an individual basis. That means you'll see plenty of return on investment.



SCHOOL OF BUSINESS & ECONOMICS

CUI.EDU/BUSINESS

The Leader in Innovative Education



Ranked #1 in Online Business Programs

Discover what Makes Coastline Extraordinary.

Coastline College provides courses, certificate and degree programs, and corporate training for the Orange County business community where students live and work. Coastline has campuses throughout Orange County--in Westminster, Garden Grove, and Newport Beach; and a virtual campus offering online classes; and a comprehensive student services center located in Fountain Valley. The College's outstanding faculty and staff work in partnership locally and globally with business and industry to tailor programs to meet today's demands, while contributing to the social and economic well-being of the communities we serve. Coastline is forward thinking and is "tomorrow's college today."

Work, Life, Balance.

With family and work obligations, Coastline students have options on pursuing courses and programs at various locations, length, and start date to personalize their schedules and goals. Coastline's online instruction is designed to let students learn and upgrade their skills while living their busy lives. Coastline's online programs give learners the ultimate flexibility to earn a certificate or an associate degree, transfer to a four-year university, upgrade or fast track their career with an occupation focused certificate.

A Recognized Leader in Online Learning

Since the College opened its doors in 1976, Coastline has distinguished itself as a pioneer and an innovator in distance learning while remaining deeply committed to academic excellence and student success. Coastline College was among the first to offer online courses and programs. Anytime-anywhere learning and student success are integral to Coastline's mission. Inspired by an innovative spirit and student-centered mindset, Coastline College is a champion of higher education for highly diverse populations.

Coastline is a recognized leader in online education with over 70 fully online degrees and certificate programs, including business and cybersecurity. A select list of notable accolades include:

- Selected as one of the top 150 colleges by The Aspen Institute for Community College Excellence for the past 8 Years, considered the most nationally prestigious prize for community colleges.
- The first California community college to receive the Center for Academic Excellence/ 2-Year Colleges designation from the National Security Agency for cybersecurity.
- Rated #1 in Best Online Business Programs by AffordableCollegesOnline.org
- Ranked #4 nationwide by Value, and the #1 top leader in online education on this list.
- Voted #2 nationwide of the Most Promising Places to Work by Diverse Magazine in Higher Education and is the only community college in California to make the list.
- Recognized as a Military Friendly School and a Best for Vets School by the Military Times, serving military service men and women around the world and veterans.
- Over the years, Coastline College has earned 20 Los Angeles-area Emmy Awards for Excellence in Instructional Television and more than 80 other national and international awards.

For more information about Coastline College, please call (714) 546-7600 or visit www.coastline.edu

Make A Difference to the Future Generation of IT/Cybersecurity Professionals

Hire a trained apprentice with industry certifications.

Mentor an apprentice.

Volunteer as an industry expert and present to
CA Cybersecurity Apprentice Program (CCAP) students.

COASTLINE
COLLEGE



Cybersecurity

Certificates & Degrees

The first California Community
College designated as the Center of
Academic Excellence in Cyber Defense



CompTIA

www.ccap-coastline.org
Email: ccap@coastline.edu
Phone: (714) 241-6209 Ext. 17373

Degree Programs for All Stages of Your Life at University of La Verne

Your professional success begins with an education designed to help you think creatively, communicate effectively, and serve your community with integrity.

For 127 years, University of La Verne has been a leader in Southern California education, working with a wide variety of students to provide bachelor's, master's, and doctoral degrees. In addition to serving traditional students, the university has been a leader in providing educational opportunities for adult learners through affordable programs built around flexible curriculum, personal support, and convenient locations.

Degree programs are offered at the university's central campus in La Verne, online, and at regional locations, including Bakersfield, Burbank, College of the Canyons, Irvine, Ontario, Oxnard, and Victorville.

The University of La Verne offers more than 60 undergraduate majors, more than 20 master's programs, four doctorates, and dozens of certificates and credentials. Graduate degree programs are available from the College of Business and Public Management, LaFetra College of Education, the College of Law, and the College of Arts and Sciences. They include:

- Doctorate in Public Administration
- Master's in Accounting
- Master's in Business Administration (MBA)
- Master's in Business Administration, (MBA) for Experienced Professionals
- Master's in Data Analytics
- Master's in Finance
- Master's in Health Administration
- Master's in Leadership and Management
- Master's in Public Administration
- Master's in Special Education Studies
- Master's in Teaching
- Master's in Child and Adolescent Development
- Master's in Child Life
- Master's in Educational Counseling
- Master's in School Psychology
- Master's in Educational Leadership
- Doctorate in Organizational Leadership
- Master's in Athletic Training
- Master's in Marriage and Family Therapy
- Master's in Physician Assistant Practice
- Doctorate in Clinical Psychology

The MBA for Experienced Professionals and Master of Science in Leadership Management are both available through La Verne Online. These programs are at the forefront of online education. They are flexible and convenient, and are taught by the University of La Verne's experienced faculty. Class sizes are



small, which allows for individual support for students.

Online MBA Report ranked University of La Verne's MBA program as the No. 4 Online MBA program on the West Coast. And *BestColleges.com* identified the University of La Verne as one of the Best Online Colleges in California in 2018.

University of La Verne is dedicated to the belief that a quality, values-based education enriches the human condition by engendering community engagement, scholarly accomplishment, and professionalism. Professors are personally engaged and committed to helping every student achieve their academic and professional goals.

Whether you apply for a graduate or undergraduate degree program, you will earn a meaningful education that will prepare you for the next stage of life. To learn more about the University of La Verne, visit laverne.edu.

Advance Your Career with a Master's Degree in Business

The University of La Verne's MBA for Experienced Professionals and Master's in Leadership and Management programs can be completed in as little as 18 months. You'll get real-world insights to prepare you for success in today's fast-changing business environment. And because you're busy, we offer day, night, and weekend classes in Burbank, College of the Canyons, La Verne, and online.

For more information, go to laverne.edu/advance

University of
La Verne

K-12 STEAM GUIDE



Irvine Students Partner with NASA to Make History

Orange County is one of the most diverse and fastest growing technology sectors in the United States, creating a high demand for skilled and dynamic talent to support its growth. One local nonprofit has found a way to unite the academic and business communities to create opportunities for students to gain the skills, confidence, and determination needed to find success in today's competitive STEM workforce.

The Irvine CubeSat STEM Program began as a collaboration between Irvine Public Schools Foundation (IPSF), and Irvine Unified and Tustin Unified school districts as a way to attract and retain students, teachers, and faculty in STEM disciplines, as well as strengthen Orange County's future workforce. The goal was to change the way students experience STEM education and inspire the next generation of innovative thinkers, makers, programmers, and explorers. What has evolved has been truly groundbreaking, giving high school students a once in a lifetime opportunity to plan, build, test, and launch a miniature satellite (CubeSat) into space, and then analyze data sent back to earth from orbit.

The students engaged in this program are learning much more than just how to build a satellite, they are gaining experience on how to collaborate, communicate, and present their ideas to not only their peers, but industry professionals and mentors from NASA/JPL, CalPoly SLO, Ecuadorian Space Agency (EXA), Accion Systems, Rocket Lab, and Tyvak Nano-Satellite Systems.

"What started as a crazy idea to change the way that students experience STEM education, has evolved into one of the most progressive high school space programs in the country and a truly invaluable experience for all involved," explains Neda Eaton, President & CEO, Irvine Public Schools Foundation. "Over the past four years, the students have faced many real world obstacles that provided them with an even better understanding of the aerospace industry. They met these challenges head on, and we are so proud of their hard work and dedication to the program."

The Irvine CubeSat STEM Program launched its first two CubeSats successfully in the fall of 2018, making history as the first high school program to successfully launch two satellites within a month of each other. A year after launch, missions 01 and 02 are complete, and students now have their sights set on the program's third mission, IRVINE 03, which is set to launch sometime this year.

Students will be using the IRVINE03 satellite as a trainer for X-ray navigation. The technique of using pulsars as navigational beacons will help enable the next generation of long-term space

missions, and further students' understanding of the cosmos. Students are also collaborating with local artists to take on the challenge of sending art into space, pushing the boundaries of materials and the context in which art is seen. To achieve this, the team is utilizing the latest in temperature and UV radiation resistant materials to print designs for the satellite's exterior that will withstand the harsh conditions of space.

IRVINE03, was selected as one of 21 small satellites nationwide selected through a competitive process to participate in the CubeSat Launch Initiative, earning a free ride to space on one of NASA's upcoming launches. The students of the Irvine CubeSat STEM Program were chosen by NASA to participate in this prestigious program alongside some of the most renowned universities and research centers in the world.

"It is a huge honor for Irvine CubeSat to be recognized and selected by NASA to participate in their launch program," said Neda Eaton, President and CEO of IPSF. "This unbelievable opportunity validates the hard work and dedication of the students, teachers, and all of the partners involved. The Irvine CubeSat STEM Program is a true testament to what can be accomplished through the collaboration of industry experts, corporate partners, and public education. These students are setting an example for young people around the world that anything is possible, and we are excited to be part of making their dreams become a reality."



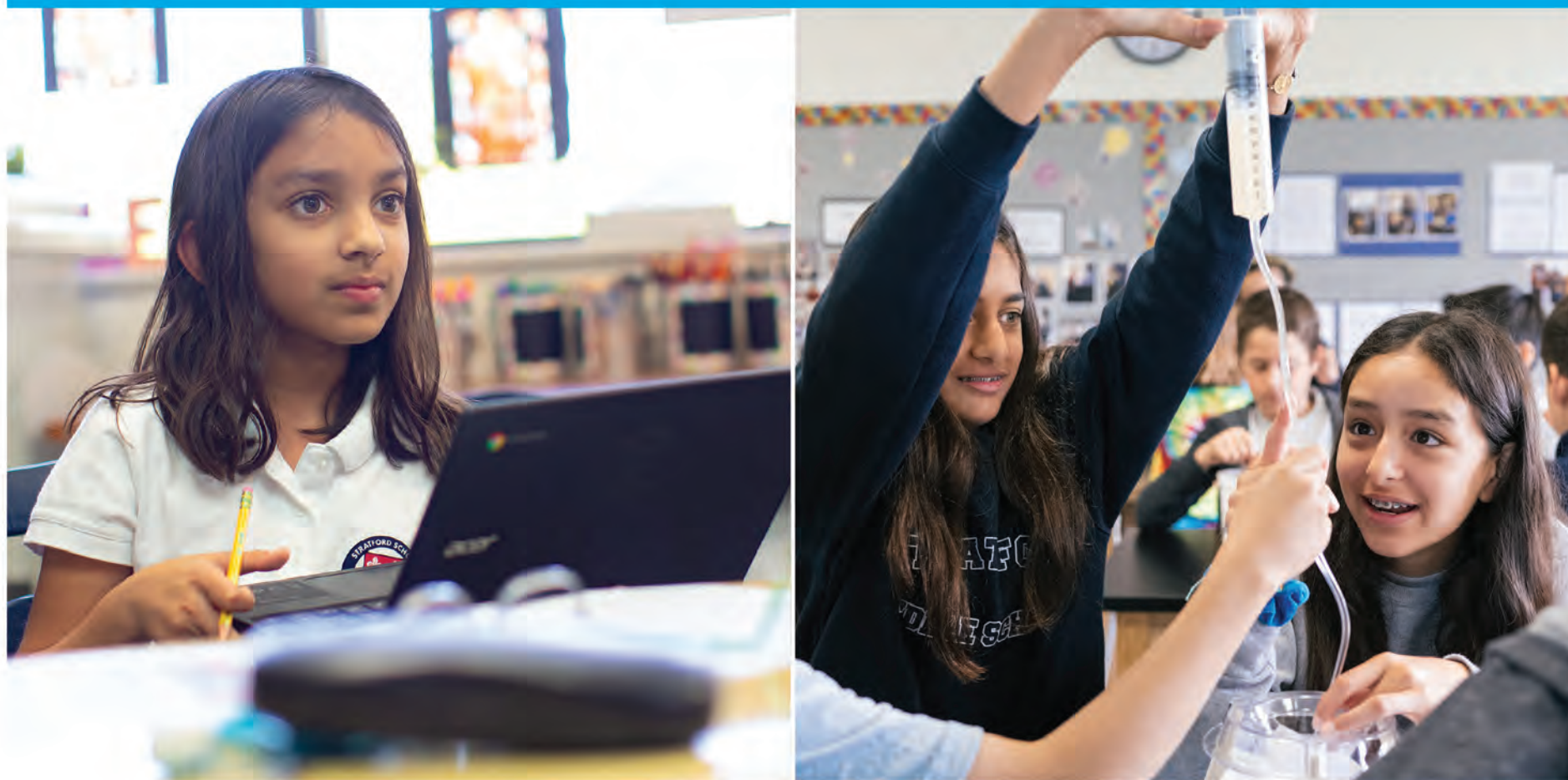
The Irvine CubeSat STEM Program is made possible through dynamic partnerships between private funding and public education, facilitated by IPSF. Funding from corporate sponsors including FivePoint, Arnold and Mabel Beckman Foundation, Ingersoll-Rand/Trane, PPG, and Meggitt Defense Systems, Inc., have made the program a true collaboration, and an inspiring example of what can be accomplished when communities come together in support of public education.

"The opportunity for a young mind to explore, innovate, and collaborate between academia, corporate, industry partners, and student peers is made possible in the Irvine CubeSat STEM Program," explains Hannah H., Woodbridge CubeSat team member. "To see the amazing launch of the CubeSat to space is the result of technology, teamwork, passion and perseverance- for this, we are extremely grateful for the generous support from IPSF!"

If you are interested in getting your company involved with the Irvine CubeSat STEM Program and being a part of Orange County history, please contact Neda Eaton at neaton@ipsf.net. To learn more about Irvine Public Schools Foundation, visit www.ipsf.net.



K-12 STEAM GUIDE



Stratford School Where the Extraordinary Happens!

At Stratford School, high expectations yield extraordinary results. Our advanced yet intentionally balanced curriculum starts as early as Preschool to inspire and nurture the minds and hearts of every student. From the outset, we simplify challenging concepts, then accelerate learning to enable our students to study ahead of grade level, develop a love of learning, and prepare for the future. Our curriculum is created in thoughtful and meaningful ways to ignite curiosity, nurture exploration, and encourage inquiry.

From Preschool through 8th Grade, Stratford's curriculum is infused with sequential instruction in science, technology, engineering, arts, and mathematics — "STEAM" — to help students develop a diverse set of problem-solving skills and talents they'll need in today's world. We accomplish this through a unique cross-disciplinary approach that enhances critical thinking, integrates ideas from multiple subjects, and ultimately expands student learning.

Preschool

Beginning in Preschool, Stratford's curriculum is designed to develop the cognitive, social, emotional, and physical building blocks. Hands-on, multi-sensory activities, including our Imaginative STEAM Play, encourage preschoolers to play and share with others, while developing their self-confidence, so each child discovers the joy and excitement of learning.

Elementary

In Elementary, our accelerated core curriculum exceeds the National Standardized ERB Results and motivates students to become critical thinkers,



STRATFORD SCHOOL



innovative problem-solvers, and proficient writers. This balanced approach imparts students with not only a well-rounded education; it fosters the development of strong friendships, effective study skills, and blossoming self-confidence.

Middle School

Middle School continues the Stratford tradition of excellence. We prepare and mentor students for placement in honors and advanced courses at top-tier private and public High Schools. Stratford's intentional approach to educating the whole child results in young adults who are gifted communicators as well as skilled and generous collaborators.

Beyond the classroom, we help students discover and define their passions through a variety of extracurricular pursuits, personal enrichment activities, physical education, and time for free play.

Our caring and passionate teachers cultivate a fun and nurturing classroom environment, where high expectations encourage students to try new things with confidence and enthusiasm.

By harnessing the collective power of students, teachers, and administrators, this carefully designed approach, along with our commitment as educational leaders, helps students to excel. Stratford School prepares students to become the future generation of creative problem-solvers, imaginative innovators, and confident, insightful leaders.

For more information,
visit us at www.stratfordschools.com.

WHEN YOU FOSTER HIGH EXPECTATIONS **THE EXTRAORDINARY HAPPENS**

At Stratford, students accomplish extraordinary things. Our advanced yet balanced curriculum propels students to excel both inside and outside the classroom. Discover a school that inspires children to become creative problem-solvers, imaginative innovators, and confident, insightful leaders.



STRATFORD SCHOOL

Mission Viejo Campus

24741 Chrisanta Drive

(949) 458-1776

StratfordSchools.com/mission-viejo

Schedule a tour today!

StratfordSchools.com/tours

Our other Southern California campuses Altadena | Los Angeles | West Los Angeles



**Now
Enrolling**
Preschool
THROUGH
8th Grade



K-12 STEAM GUIDE

Innovation Meets Learning at TVT, OC's Top K-12 Private School



TVT Community Day School was recently ranked the number one K-12 Private school in Orange County by Niche. But what sets TVT apart? According to Dr. Jonathan Cassie, TVT's Director of Curriculum and Innovation, what sets TVT apart is that "we are all acutely aware on campus that the class of 2034 is already here, in our Transitional Kindergarten! The world in which those students graduate is going to be very different from the one they're living in now. We have to create programs and approaches to teaching that will better prepare them for that world."

Innovation at TVT (I@TVT) is at the heart of TVT's commitment to preparing students for the ongoing challenges of the 21st century. More than an academic department or stand-alone program, I@TVT's work represents a transformative understanding of the nature of education across the whole scope of TVT's program. And it works not just with students and their learning, but also faculty professional development and community engagement.

I@TVT integrates signature programs in engineering, science, mathematics, and film with TVT's core curriculum. This gives students the opportunity to combine their learning in creative ways that uniquely reflect TVT's culture. Students from Transitional Kindergarten (TK) through grade 12 also have numerous opportunities to explore topics in innovative learning in the Innovation Afterschool (IA) program, which features programs in technology, robotics, design, visual arts, molecular gastronomy and others.

Not only does I@TVT span TK through 12th grade, but the program is specifically designed to integrate and build on itself as students progress through TVT. "In the Lower School, the skills we explore in the Imagination Station aid students in developing their ability to think more deeply as they get older. We provide a point of reference for how to problem solve, which aids in richer exploration when they join the Middle and Upper School," says Velear Schrupp, TVT's Director of Library, Media and Information. "In the Middle and Upper School, we offer a Design Studio after school. This open time allows students the opportunity to explore."



THE IMAGINATION STATION

The Imagination Station is TVT's state-of-the-art makerspace for grades TK-5. All the projects done in the Imagination Station are meant to aid students in connecting more deeply and in seeking out ways to find solutions. Students learn to utilize design-thinking by breaking it into pieces.

TVT's 4th grade class is currently working on building tools to aid deaf people in the community. After reading a book by an author whose parent's are deaf, students were tasked with developing tools to aid the deaf community. According to Mrs. Schrupp, what makes this project significant is that the students aren't thinking about how an engineer might fix the problem, but rather "how do I, right now as a 4th grader, fix this?"



APPLYING INNOVATION THROUGH ENGINEERING, SCIENCE, AND TECHNOLOGY

Applied innovation programming at TVT responds to the critical demand in American society for students trained in the cross-disciplinary practices that drive 21st-century thinking, learning, and work. Bill Gates has said that "[these programs] can resurrect the spirit of innovation and economic vitality that has been so important to our prosperity for more than a century".

TVT's commitment to innovative programs can be seen during and after school, and in the way TVT's faculty approaches teaching and learning every day. For example, in the Lower School, Computer Science concepts and skills are integrated into the curriculum. In the Upper School Entrepreneurship program and in the four year Upper School Engineering program, students are prepared to make submissions to the Intel Competition.

By breaking down the barriers between disciplines, TVT's innovative programs allow creative students to push boundaries in state-of-the-art makerspaces, kitchens, and science labs, mathematically-minded students to deploy their incisive mind in solving complex puzzles, and film-makers-in-the-making to learn how to collaborate effectively.

Ultimately, TVT's goal is to integrate information literacy, maker-practices / design thinking, and social-emotional learning in order to develop thinking, connecting, and creating skills.



For more information about TVT Community Day School, please call 949.509.9500 or visit www.TARBUT.com



#1 BEST

K-12 Private School
in Orange County



#1 BEST

Jewish School
in the United States



TVT prepares TK-12th grade students for life and academic success in a college preparatory environment, rooted in Jewish values. Graduates from TVT earn acceptances to top universities at up to three times the national rate. We invite you to learn how we can help your child develop and succeed with exceptional character.

ACADEMICS ARE IMPORTANT.



CHARACTER IS PARAMOUNT.

**Source: Niche 2019 rankings*

Founded in Loving Memory of Naomi Gelman Weiss

SUMMER@TVT

STEAM Wars

June 15 - July 3, 2020
ages 8-13

Engineering | Music | Film | Visual Arts

Summer@TVT is back for the second year! At TVT, we pride ourselves in providing the best education in Orange County in the most cutting edge facilities. This program is the most engaging, fun, and memorable way to fight summer learning loss, known as the dreaded "summer slide".

Meaningful, project-based learning is what this summer program is all about.

TARBUT V'TORAH COMMUNITY DAY SCHOOL | 5 Federation Way, Irvine, CA 92603
949.509.9500 | **TARBUT.com**

K-12 STEAM GUIDE - Directory



Name of School: Irvine Public Schools Foundation

Address: 1 Post, Suite 250, Irvine, CA 92618

Website: www.ipsf.net

Telephone: (949) 263-8340

Grade Levels: K-12

Total Enrollment: 36,000

Type of School: STEAM after school and summer programs

STEAM Mission: IPSF seeks to enrich the education of each child in every school and inspire the next generation of innovative thinkers, makers, creators, and leaders.



Name of School: Santa Margarita Catholic High School

Address: 22062 Antonio Parkway, Rancho Santa Margarita, CA 92688

Website: www.smhs.org

Telephone: (949) 766-6096

Levels: 9-12

Total Enrollment: 1,645

Type of School: STREAM, International Baccalaureate World School, Co-ed private Catholic

STREAM Mission: The program integrates science, technology, religion, engineering, arts and math building bridges across disciplines while inspiring innovation and strengthening critical thinking skills for success in today's world.



Name of School: Stratford School

Address: 24741 Chrisanta Drive, Mission Viejo, CA 92691

Website: www.stratfordschools.com/mission-viejo

Telephone: (949) 458-1776

Grade Levels: Preschool - 8th Grade

Total Enrollment: 415 in Southern California

Type of School: Private

STEAM Mission: From Preschool through 8th Grade, Stratford's curriculum is infused with sequential instruction in Science, Technology, Engineering, Arts, and Mathematics — "STEAM" — to help students develop a diverse set of problem-solving skills and talents they'll need in today's world. We accomplish this through a unique cross-disciplinary approach that enhances critical thinking, integrates ideas from multiple subjects, and ultimately expands student learning.



Name of School: TVT Community Day School

Address: 5 Federation Way, Irvine, CA 92603

Website: www.tarbut.com

Telephone: (949) 509-9500

Grade Levels: Transitional Kindergarten - 12th Grade

Total Enrollment: 625

Type of School: Independent

STEAM Mission: TVT is an inclusive Jewish school of inquiry and innovation where academics are important and character is paramount.

It's Time.
Is your son or daughter struggling to launch their career?

Make the most important investment outside of their education by signing them up today.
projectactivate.net/summit
info@projectactivate.net

PROJECT ACTIVATE
Bridging the gap from college to career.

Dream Job Workshop

Project Activate's 2-day intensive workshop gives college graduates the skills they need to:

build confidence

define their ideal job

ace interviews

LAUNCH THEIR CAREER

February 29 - March 1, 2020

Irvine, CA

8am-4pm

Space is limited

~~\$568~~ **ONLY \$268**

USE CODE: OCBJ



Founded by Rod McDermott, CEO of McDermott + Bull Executive Search, one of the largest executive search firms in the US.

K-12 STEAM GUIDE

Student-Centered Learning Inspires Innovation Preparing Students for College and Beyond

Student-Centered Learning Inspires Innovation Preparing Students for College and Beyond From building robots that compete internationally to fluidly exchanging ideas and information in shared digital workspaces – Santa Margarita Catholic High School's experiential, student-centered approach to learning promotes a culture of innovation and propels students to succeed in college and beyond.

With academic programs designed to meet the needs of varied learners, classes are spent mastering material through dynamic group exercises, projects and engaging discussions. Santa Margarita is the only Catholic school in the county to offer the International Baccalaureate program, providing students the opportunity to earn a globally recognized diploma with a curriculum that develops internationally-minded, creative thinkers.

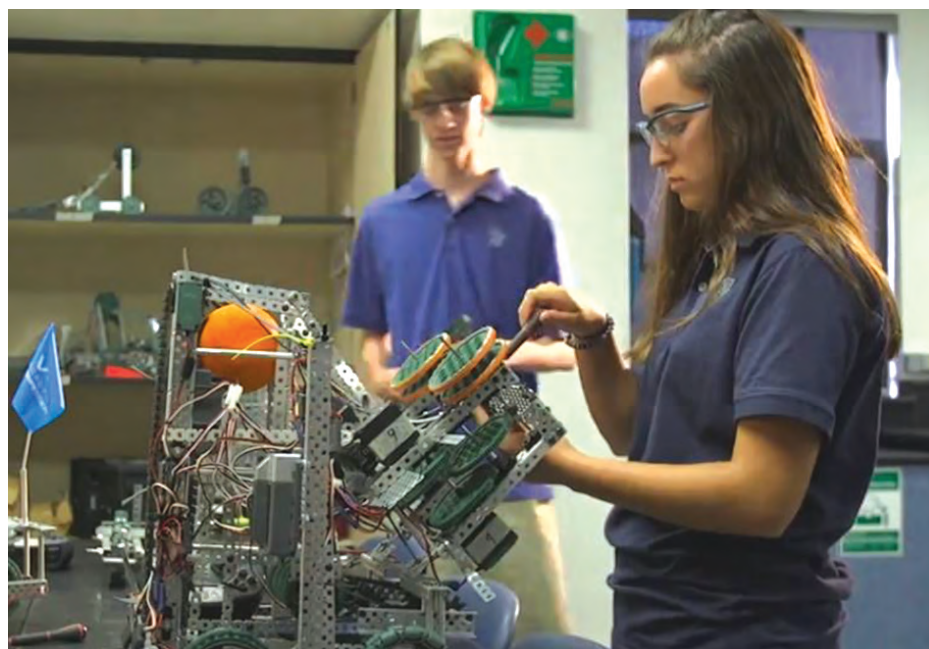


The school's STREAM program combines science, technology, religion, engineering, arts and mathematics to bridge a better understanding of curriculum across disciplines. Through hands-on assignments, critical thinking skills are strengthened. Students have designed artificial limbs and engineered safety equipment among other projects. Newsweek recently recognized SMCHS as one of the top high schools in the nation for excellence in STEM education, a designation only achieved by the top 3% of schools nationally.

Recently, the school was also recognized as a global leader in educational technology. For the sixth consecutive year, SMCHS was named a Microsoft Showcase School for successfully integrating tablet PC and cloud technology to deliver a more personalized, immersive education empowering students for success in college and the workplace. SMCHS joins an elite community of approximately 41 schools in the nation recognized for their innovation in teaching, learning and assessment.

Innovation extends beyond the classroom with numerous opportunities for students to gain "real-world" skills. Whether tinkering around with emerging technology; exploring computer programming through the Coding Club; broadcasting a sports game live on Eagle TV 2.0 or utilizing theater as a means for self-discovery and societal transformation, God-given talents are developed in a nurturing environment.

The school's award-winning robotics team functions like a startup with students learning CAD modeling, welding, marketing and project management. Students design, build and program competition-ready robots. The program has qualified for the world championships three times and in 2018 took top honors in the county. As an official chapter of the national



GoBabyGo! program, students also use their skills to improve the lives of children with limited mobility. Through Santa Margarita's robotics program, students are mentored by industry professionals.

Santa Margarita's Eagles Edge program also provides students with access to industry experts through internship and job opportunities as well as hands-on workshops that help establish a foundation for future success. In the arts, a master artist series exposes students to working professionals across the arts spectrum.

With nine full-time counselors, a college relations director forging strong partnerships with universities across the nation, and college planning tools to assist families with making informed decisions – students are accepted into the universities across the globe with the majority of students earning scholarships.

For more information on Santa Margarita Catholic High School, visit www.smhs.org or call (949) 766-6096.

SANTA MARGARITA CATHOLIC HIGH SCHOOL



WE RANK AMONG THE BEST

#1

CATHOLIC HIGH SCHOOL
IN ORANGE COUNTY
Niche.com

#1

CATHOLIC CO-ED HIGH
SCHOOL IN SOUTHERN
CALIFORNIA Niche.com

#1

CATHOLIC CO-ED STEM
HIGH SCHOOL IN
SOUTHERN CALIFORNIA
NEWSWEEK

