

Superintendent's Update

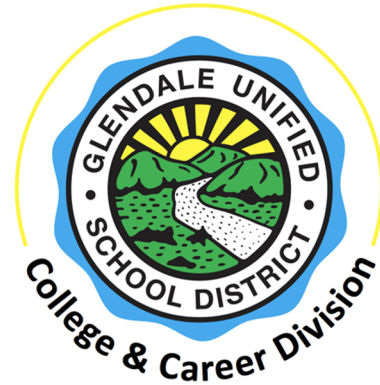
College and Career Readiness

Board of Education
September 28, 2021
Meeting No. 6





College & Career Division



Graduating from high school with an educational objective or career path aligned to personal goals and the knowledge and skill-set to pursue them.

K12 College & Career Readiness

Grade K-5 TCI & Benchmark Standards

Jin and Pedro Get to Work!	Tools Make Work Easier	Jobs at School	Jobs in a Community	Doing Jobs Together
Making Things, Doing Things	Using Tools at Work	People Who Use Magnets at Work	Providing Services	Choices, Choices
We Are Firefighters	The Job of the President of the USA	Neighbors at Work	People Work in Our Community	MEASURING MATTER



College Success Fund

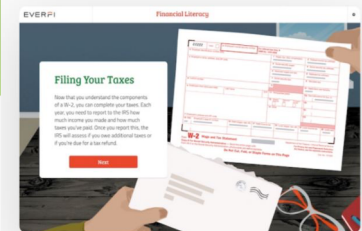
Grade 6-12 College & Career Readiness

xello

xello.gusd.net
Log-in using Google (G suite) account.



Financial Education





College & Career Division Areas

Career &
Technical
Education
Programs
58 Teachers

Middle & High
School
Counselors

Early College
Programs

Student
Internships &
Work-Based
Learning
Opportunities

Annual GUSD
College &
Career Fair

Articulations
with
Community
Colleges

College &
Career
Workshops,
Representative
visits &
Webinars

Work Permits
(Minor Intent
To Employ)

Glendale
Community
College Dual
Enrollment
Program



College & Career Division Grants

**\$5.2 million
(2018-2021)**

K12 Strong Workforce Round 1

K12 Strong Workforce Round 2

K12 Strong Workforce Round 3

Career Technical Education Incentive Grant
(CTEIG)

Perkins V

California Partnership Academy (CPA)

Specialized Secondary Programs (SSP)

Harbor Freight Tools for Schools (HFTFS)

CTE TEACH Mentor Grant

Career & Technical Education Programs

27 High School Pathways across 12 Industry Sectors

18 Middle School Pathways across 12 industry sectors that align with HS pathway programs



Arts, Media & Entertainment



Fashion & Interior Design



Business & Finance



Education, Child Development, & Family Services



Hospitality, Tourism & Recreation



Building & Construction Trades



Health, Science & Medical Technology



Information & Communication Technologies



Engineering & Architecture



Manufacturing & Product Development



Transportation



Public Services



Career & Technical Education Program Enrollment

School	6	7	8	9	10	11	12	13	Total
Allan F Daily HS					1	17	33	23	74
Clark Magnet HS				325	246	279	191		1041
Crescenta Valley HS				392	379	414	309		1494
Eleanor J Toll MS	21	206	153						380
Glendale HS				346	327	416	319		1408
Herbert Hoover HS				339	292	213	182	1	1027
Online College & Career Academy				14					14
Rosemont MS		538	442						980
Theodore Roosevelt MS	1	286	242						529
Woodrow Wilson MS	154	250	296						700
Grand Total	176	1280	1133	1416	1245	1339	1034	24	7647



Extended Learning Opportunities

Highlights

Drone Safety Training

Intro to Quantum Computing

Cyber Security Externship

Student Internship Program

THE FUTURE IS QUANTUM.

TAKE INTRODUCTION TO QUANTUM COMPUTING
September 2021-April 2022

TAUGHT BY PHD SCIENTISTS. ONLINE. FREE.

About The Course

This is a first-of-its-kind Introduction to Quantum Computing course designed to make quantum computing accessible to high school students. Quantum computing will impact industries from healthcare to finance to cybersecurity, and we want today's high school students to be prepared to lead the next computing revolution. Our goal is to make the material accessible to students from all different backgrounds, because we want the future quantum workforce to be as diverse as the world is!

Through two semesters of weekly lectures, lab sections, and homework assignments, students will develop a foundational understanding of quantum computing. Students will learn introductory linear algebra, discover the weirdness of quantum mechanics, explore quantum protocols and algorithms, and code quantum circuits on a real quantum computer- topics most students don't learn until graduate school. The only prerequisite for students is geometry. We will teach you the rest!

2020-2021 COURSE HIGHLIGHTS

- We taught 7,500 students from 125 countries in this course sponsored by IBM.
- 99% of students said that quantum computing is fun!
- 99% of students would recommend the course to a friend.
- 94% of students felt more confident in their STEM skills after just one semester.

Qubit by Qubit is a nonprofit initiative dedicated to making quantum computing education accessible to K-12 students. In partnership with industry and academic leaders, we're bringing quantum computing out of the lab and into classrooms around the world. Learn more at www.qubitbyqubit.org.

CAREER & TECHNICAL EDUCATION AFTER-SCHOOL COURSES
Fall 2021 - Spring 2022

August 30, 2021 to December 10, 2021
January 18, 2022 to May 27, 2022

Digital Art & Animation	Intro to Video Game Design
Cinematography	Cosmetology
Drone Safety Training	Water Safety
Medical Assisting	Health Science & Nursing

ENROLLMENT & INFORMATION
<https://bit.ly/CAREERTECH2021>

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College and Career Division

West Coast Discovery Cybersecurity Externship
March 29 - April 9, 2021
Monday - Friday
8:00 pm - 5:00 pm
Open to 8th - 10th Grade Students

- Become a member of an Elite Cybersecurity Task Force charged with investigating major cyber crimes.
- Explore the range of career paths in cybersecurity, computer science, and engineering
- Establish a foundation of data protection, incident response, and digital analysis.
- Build in-demand soft skills such as critical thinking, problem solving, leadership and collaboration.
- Earn digital badges daily and a certificate of completion at the conclusion of the program.

CLICK HERE TO REGISTER

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STUDENT INTERNSHIPS

SPONSOR A STUDENT INTERN & HELP BUILD THE FUTURE WORKFORCE!

www.gusd.net/GUSDInternships

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Creating a Culture of Acceleration

A large green five-pointed star with a black outline, containing text about articulated courses.

30 Articulated
Courses with:
GCC
PCC
Mission College
Rio Hondo
College

A large yellow five-pointed star with a black outline, containing text about CTE course approval.

ALL CTE
Courses are A-G
approved

A large cyan five-pointed star with a black outline, containing text about dual enrollment course offerings.

Fall 2021
22 Dual
Enrollment
Course
Offerings
glendale.edu/dualenrollment

GUSD Innovative Programs



Early College Academy (ECA)
@ Hoover High School



Cloud Computing & Computer Science Academy (CCCS)
@ Glendale High School



GUSD Virtual High School
College & Career Academy (OCCA)



Dual Enrollment

	Fall 2015	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020
Enrollment	3 Courses 41 Enrolled	15 Courses 350 Enrolled	26 Courses 486 Enrolled	25 Courses 491 Enrolled	25 Courses 625 Enrolled	30 Courses 798 Enrolled
Pathways/ Academies					ECA Cohort 1	ECA Cohort 1,2

Summer Work-Based Learning Opportunities

HARBOR FREIGHT TOOLS FOR SCHOOLS

Skilled Trades Construction Summer Program



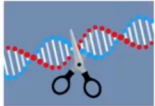
Bayha Group Summer Internship

Documentary Filmmaking
 Animation
 Environmental Activism
 Game Production
 Fresh Films

CRISPR
 Design Thinking
 Graphic Design
 Finance & Investments
 Build a Skateboard



Position Statement



CRISPR is already known to be the next big thing in the technological world, however, it's full potential is not known due to a variety of reasons. For one, CRISPR has not received adequate funding. Proper funding for the research and development needed to improve CRISPR will allow for the technology to be accessible and available to everyone of all socioeconomic classes. This funding can come from a variety of sources like the government or other commercial companies. These organizations stand to prosper greatly on their investment like other organizations that have funded previous technological innovations like the internet.

"CRISPR is more than just a science- its big business too" - Katrina Megget

Introduction : The Internship

- Amazing mentor Michael Friend, and deep dive intern leader, Emma.
- Watched the film **Human Nature** on Netflix, where I was informed of the future of gene editing and CRISPR
- Our main goal as **NextGen CRISPR** is to **inform the youth on the potential benefits of CRISPR** and encourage conversations on the importance of this technology
- **Shared our mission** with organizations and schools
- Created social media accounts
- Revised the discussion guide that will go to schools around the country

Partnerships



Dignity HealthTM
Glendale Memorial Hospital
and Health Center



THE GREATER LA
EDUCATION FOUNDATION



USC University of
Southern California





Upcoming Events

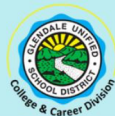


TIME TO BECOME COLLEGE & CAREER READY!

PLAN. PREPARE. SUCCEED!

VISIT OUR EVENTS CALENDAR FOR COLLEGE & CAREER WORKSHOPS, COLLEGE REPRESENTATIVE VISITS, & WEBINARS:

www.gusd.net/collegecareercalendar



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GLENDALE UNIFIED SCHOOL DISTRICT VIRTUAL COLLEGE & CAREER FAIR

OCTOBER 7, 2021
4:30PM - 6:30PM

GLENDALE UNIFIED SCHOOL DISTRICT X


← → ↻ www.gusd.net/collegefair

YOU'RE INVITED!

Connect with college & university representatives & career professionals at the College & Career Fair!

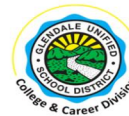
HOW DO I ATTEND?

Select "Register Now" and Click "Register to Event". Provide your Email Address & Create a Password. Enter your First and Last Name then Proceed to the Final Page to Select your School of Attendance & Grade Level.



REGISTER NOW!
Direct Link: www.gusd.net/collegefair

[Add To Your Google Calendar!](#)



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Questions