Oakland Unity High School- Information Technology and Digital Media Program of Study

Industry Sectors: (Primary) Information and Communication Technologies (Secondary) Arts and Media

| Pathway Mission and Vision | Our mission is for Oakland Unity students to become empowered, 21st-century professionals who can problem solve, advocate for themselves, and enrich their community. The Unity Academy of Information Technology and Digital Media will offer technical training on digital literacy, computer coding, and digital arts and design, with technical certification opportunities upon completion of sequence.

To accomplish success in our mission we will invest in the following aspects of our instructional design:
Rigorous Academics: Students graduate from OUHS having fulfilled the A-G requirements for entrance to and success in the Universities of California and California State Universities.
Career Technical Education: OUHS offers a technical education in Computer Science and Digital Media in order to foster innovation and provides students with the necessary skillset to excel in a 21st century technologically focused professions. Our Computer pathway helps students develop the computational thinking practices of algorithm development, problem solving and programming within the context of problems that are relevant to their lives. Students are introduced to topics such as interface design, limits of computers and societal and ethical issues of software engineering. They also spend time learning about robotics, PC systems and how to build and troubleshoot computers all of which offer students hands-on learning experiences.
KEY SKILLS AND FEATURES
Computer organization and architecture, multimedia, programming, graphics and editing, Internet/web pages design, HTML, and designing and maintaining networks. The pathway provides offers field trips to leading technology companies and Bay Area universities, internship opportunities and more.
Work Based Learning Experiences: OUHS will provide scaffolded and sequenced work-based learning experiences for all students including opportunities for IT certifications.
Strong Student Supports: There are systems in place that support students' academic, social and emotional needs. The OUHS community supports students in developing exceptional study skills, setting graduation goals and planning for college and career. Students graduate from OUHS as highly functioning citizens, prepared to contribute to the global community and advance their local community. |

Math	Algebra 1 Algebra A	Integrated Math 2 Algebra B	Integrated Math 3 Integrated Math 2	AP Calculus Integrated Math 3
Science	Biology	Chemistry	Physics Honors Physiology and Anatomy with HASPI	
CTE: Computer Science	Intro to Computer Science in Javascript	Intro to Computer Science in Javascript	Digital Media and Design AP Computer Science Principles	Certification IT Class Honors Digital Media and Design
Electives	Physical Education	Physical Education	Spanish 1 Spanish 2 AP Spanish Credit Recovery	Credit Recovery Learning Through Internship Spanish 2
Work Based Learning	Career Exploration and Research in Advisory Career Speaker Series	Career Exploration and Research in Advisory Career Speaker Series Career Exposition Fair Professional skills workshops	Spring Mini-Internship Career Exploration Visits to Industries Job Shadowing with Industry Partners Career Speaker Series	Learning Through Internship Program Certifications*: Comp TiA IT Certification Course Career Speaker Series
Dual Enrollment	Concurrent Enrollment and Hybrid Classes offered on campus	Concurrent Enrollment and Hybrid Classes offered on campus	Concurrent Enrollment and Hybrid Classes offered on campus Computer Science through Merritt College	Concurrent Enrollment and Hybrid Classes offered on campus Computer Science through Merritt College
Integrated Projects	9th Grade Summative Project: Career Exploration Project: What role does technology play in 21st century careers and in Social Change? Integrated with CTE, English 9, and Ethnic Studies. NFTE Start-Up Tech Challenge 9th Grade Advisory Capstone: "Who am I and what do I care about?" College and Career Success Self-Assessment	10th grade Summative Project: Social Media Campaign Project: What are the issues in my community and what assets are available in my community? How can IT and CS help solve these issues? Integrated with CTE, English 10, and Advisory 10th Grade Advisory Capstone: College and Career Success Self-Assessment. Informational Interviews with Industry partners at Career Exposition	11th grade Summative Exhibition: Biographical and Career Profile Web Design Project "How will my future interests and ambitions contribute to my community's advancement?" Integrated with Digital Media and Design, English 11, Advisory 11th Grade Advisory Capstone: College and Career Success Self-Assessment. Identify college goals. Job Shadowing and Informational Interviews on-site with Industry Partners	12th Grade Summative Project: NFTE Challenge- Students compete in the NFTE competition and activate an entrepreneurial mindset to solve real world problems in their communities using technology. Integrated with Economics, English 12, and CTE 12th Grade Capstone: College and Career Readiness Self-Assessment and Goals

Student Leadership	Student Government Students in Action Student Clubs	Student Government Students in Action Student Clubs	Student Government Students in Action Student Clubs	Student Government Students in Action Student Clubs	
Other Student Experiences (post-session, intersession, rituals, class trips, assemblies)	Intersession College Trips Class Town Halls	Intersession College Trips Class Town Halls	Intersession College Trips Class Town Halls	Intersession College Trips Class Town Halls	
Summer Learning (Summer Bridge, summer learning, credit recovery)	Summer Success Program	Summer Academy and Credit Recovery	Summer Academy and Credit Recovery	Summer Bridge to College	
College Exposure	College Tours: Stanford, CSU San Jose, UC Davis, CSU Sacramento	College Tours: UC Santa Barbara CSU Cal Poly UC Berkeley	College Tours: UC Santa Cruz CSU Monterey CSU East Bay CSU San Francisco	Senior Transition: Financial Aid and extensive College Counseling Support	
Advisory Structure	Daily (Morning Check In, Lunch Advisory, SSR) Career Research	Daily (Morning Check In, Lunch Advisory, SSR) Career Research	Daily (Morning Check In, Lunch Advisory, SSR) College Research	4 times/week (Lunch Advisory, SSR) College Applications and Internship Support	
Personalized Supports	We offer many supports: 1)After-school and embedded study ha 2)Embedded SpEd and EL supports to e 3)Wellness Services for Socioemotional 4)College Counseling Services	We offer many supports: 1)After-school and embedded study ha 2)Embedded SpEd and EL supports to e 3)Wellness Services for Socioemotional 4)College Counseling Services	We offer many supports: 1)After-school and embedded study ha 2)Embedded SpEd and EL supports to e 3)Wellness Services for Socioemotional 4)College Counseling Services	We offer many supports: 1)After-school and embedded study halls for all core classes. 2)Embedded SpEd and EL supports to enable full access. 3)Wellness Services for Socioemotional Health 4)College Counseling Services	
Use of expanded learning time (before or after school)	After school study halls Summer School Summer Academy	After school study halls Summer School Summer Academy	After school study halls Summer School Summer Academy	After school study halls Summer School Summer Academy Summer Bridge	