



# Tech Pathways in OUSD



**OAKLAND UNIFIED  
SCHOOL DISTRICT**  
*Community Schools, Thriving Students*

# Pioneers in CS Education

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Oakland Unified School District (OUSD) has a long history of **pioneering Computer Science (CS) and STEM education.**

From **launching Computer Academies** in the 1990s to ensuring CS courses were **available at every middle school** in the 2010s, OUSD has consistently led efforts to provide **equitable STEM opportunities.**



# Pioneering Curriculum

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## Data Science

- Unit created by OUSD teachers and WestEd

## AI

- Unit focused on how AI works and not just AI literacy and tools developed by OUSD teachers and WestEd



# Middle School

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**Goal:** 1 year of CS in middle School for all students

- One of the first districts to offer CS in all middle schools
- Currently offered at 10 Schools
- Salesforce funding supports teacher salaries and professional development



# High School

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- Computer Science Pathways
  - 3 schools
- Open CS Elective
  - 3 schools





# Robotics

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## Robotics Teams

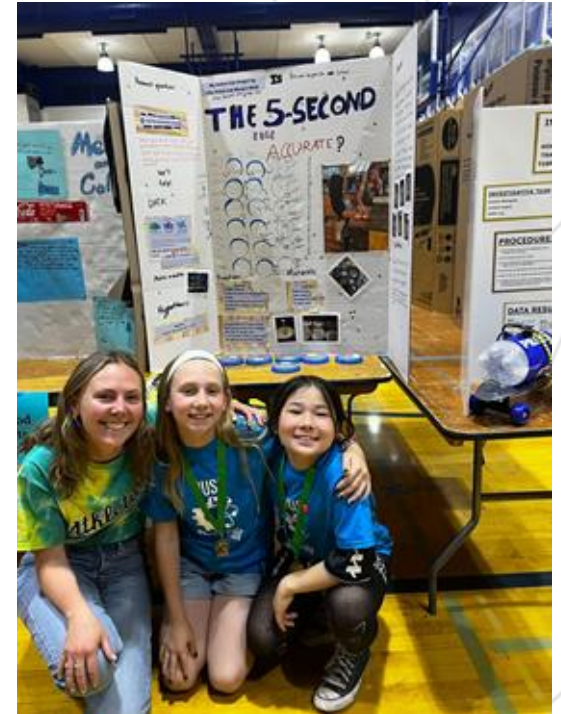
- Elementary, Middle and High School teams
- Oakland Robotics Invitational
- Compete in FIRST Robotics Competitions



# STEM Fair

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- Showcase for CS & other STEM work in OUSD
- Over 2,000 people attended
- Projects TK - 12



# Tech Repair Internship

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## Broken Computers

- Summer and school year
- Earn industry certification
- Over 12,000 devices repaired to date





# Possible Because of Partnerships

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# Where We're Heading...

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- Expand to all high schools
- Start in elementary school
- CS across the curriculum



# CS for Oakland with Kapor Center

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## Goal:

Build on the legacy of CS in Oakland and continue to innovate, so that all Oakland students have access to high quality Computer Science



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# Grant Provides Funding to

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- Develop Artificial Intelligence Unit for Middle School CS students
- Pay for AP CS Principles Test
- Support Robotics teams & STEM Fair
- Pay partial salary for schools who want to add AP CSP section
- Provide professional development to teachers
- Support addition CS staff



# Partnership Opportunities

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- **Space** for **STEM Fair**
- Student **internships**



