

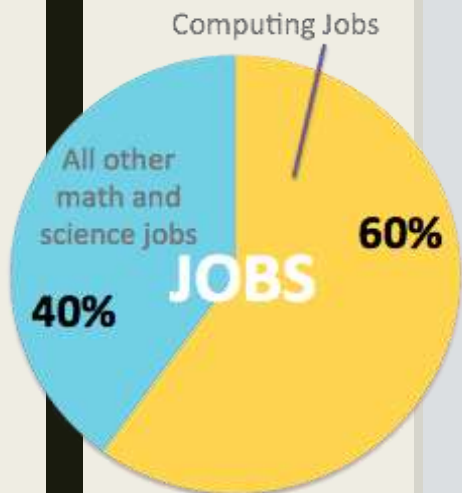
Bellevue School District STEM Initiative Overview

K-5 STEM

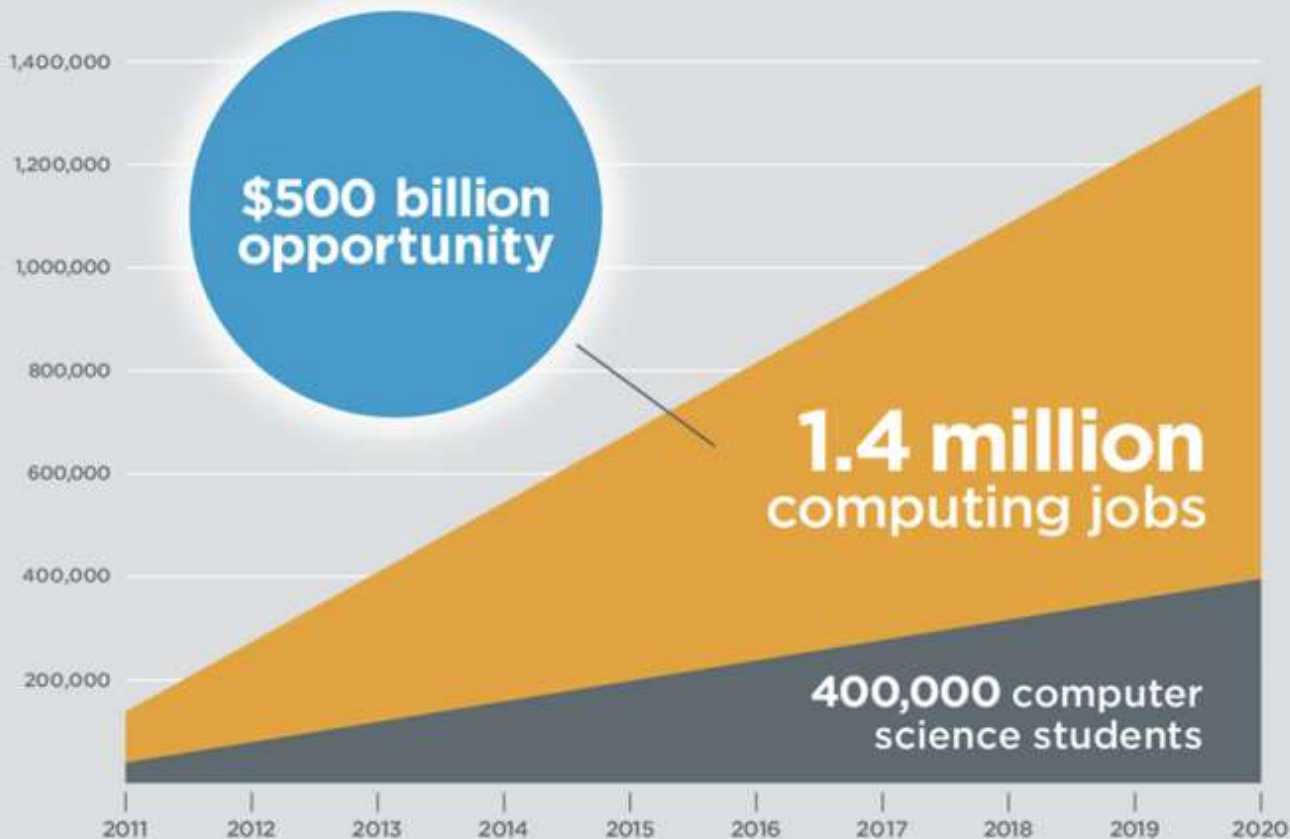
K-12 Computer Science



WHY Computer Science?

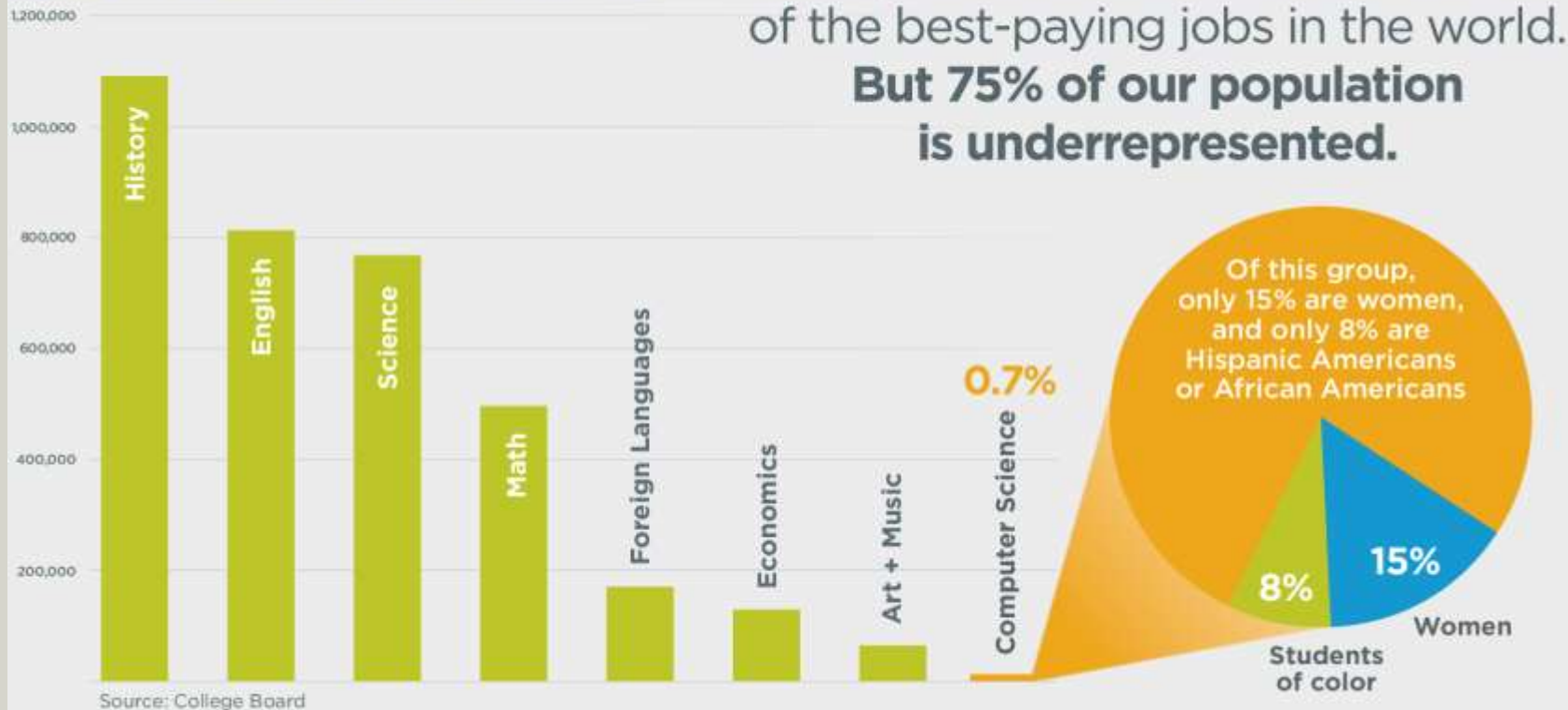


1,000,000 more jobs than students by 2020



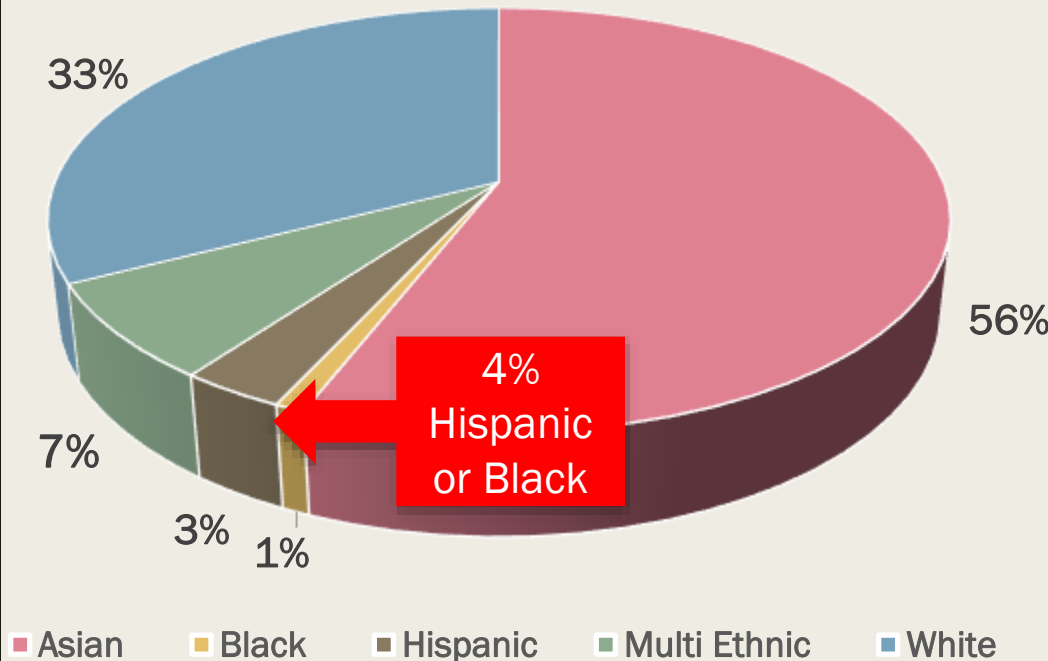
WHY Computer Science?

2012 High School A.P. Enrollment



WHY Computer Science?

AP CS Participation in Bellevue School District by Race

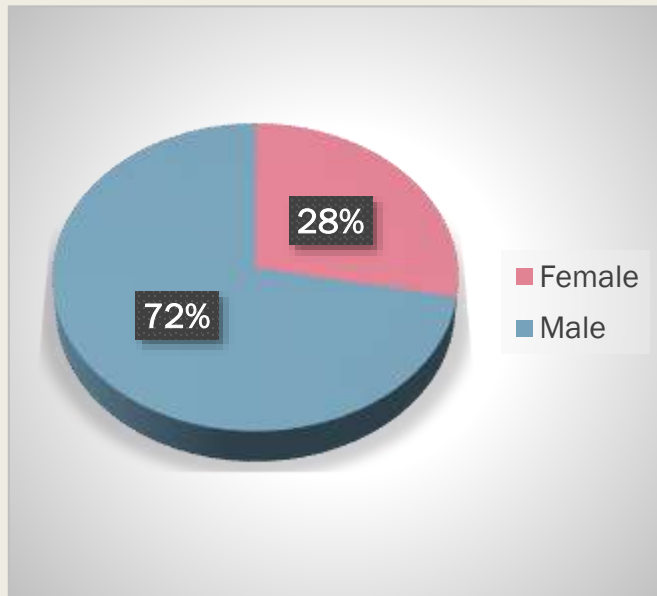


CS Participation by Race	BSD Overall Student Population
Asian 56%	Asian 36%
Black 1%	Black 3%
Hispanic 3%	Hispanic 12%
Multi Ethnic 7%	Multi Ethnic 9%
White 33%	White 40%

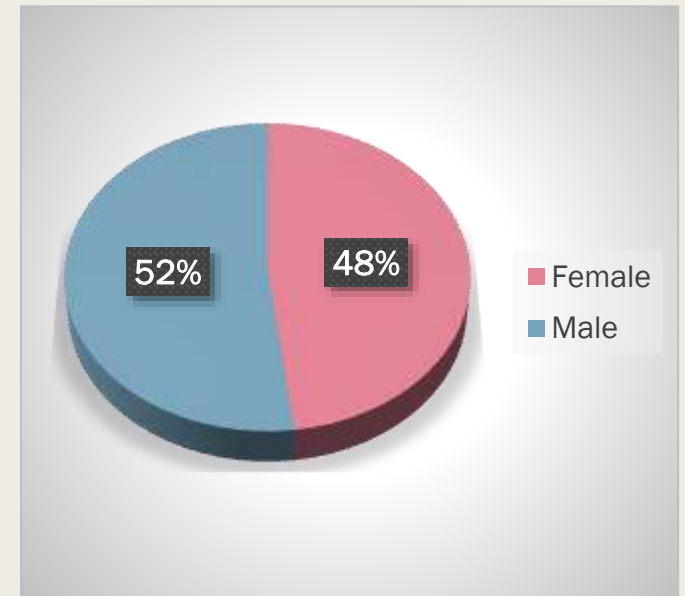
2015-2016 School Year

WHY Computer Science?

AP/IB
Computer Science
Participation by Gender



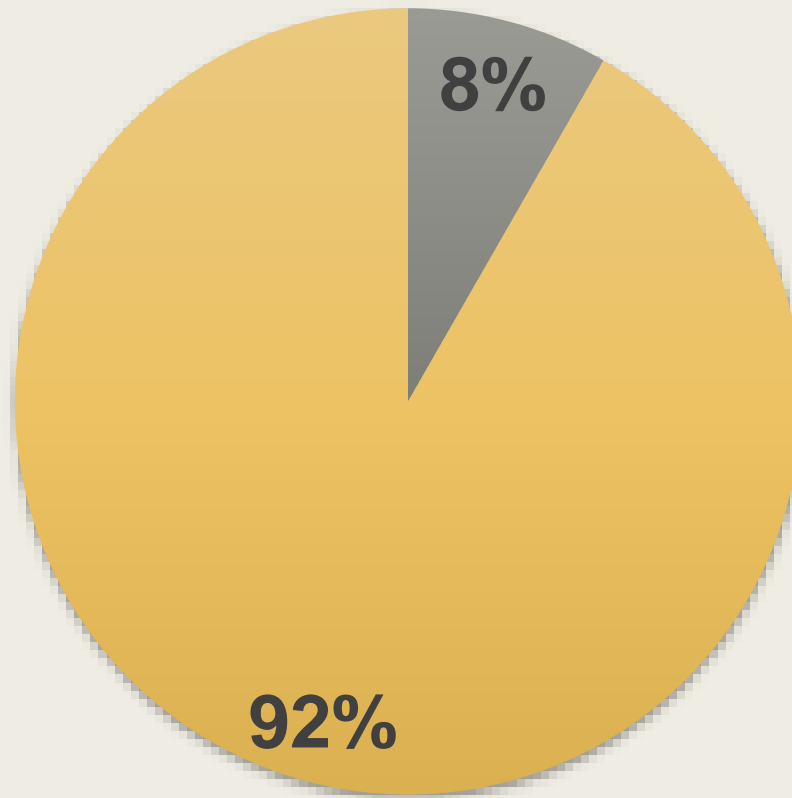
AP/IB
Math, Science, & CS
Participation by Gender



Bellevue School District 2015–2016 School Year

WHY Computer Science?

ELL & Special Ed Enrollment in Computer Science & Robotics



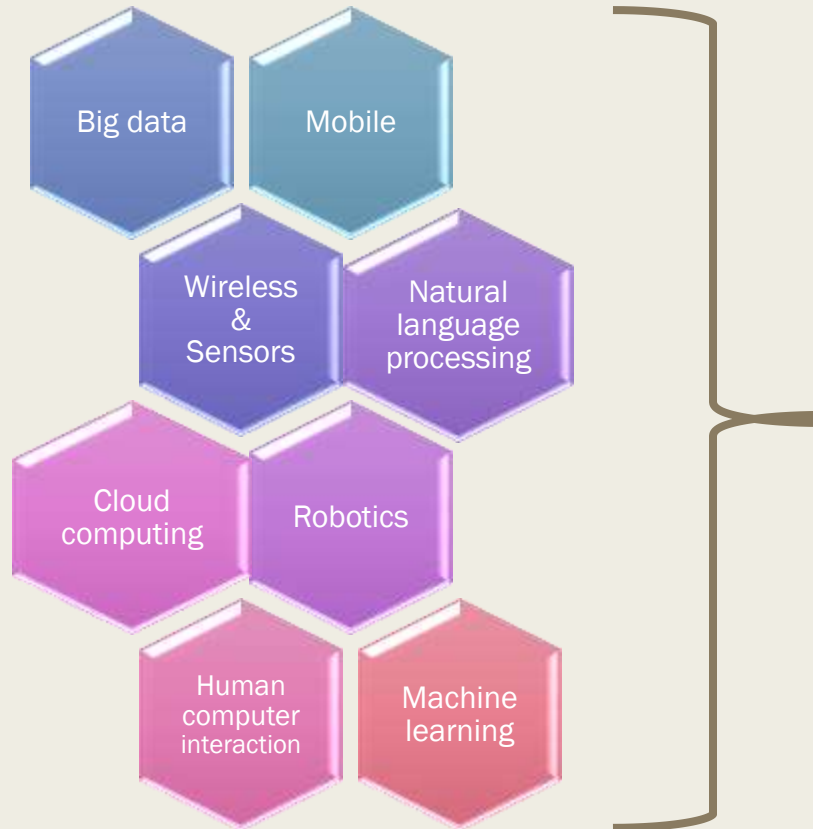
■ Students enrolled in Computer Science CTE Courses

*Bellevue School District
2015-16 School Year*

A 21st century view of Computer Science:

A field that's unique in its societal impact

Principle areas of computer science and computer engineering



Impact Across Society

Medicine & Global Health

Energy & Sustainability

Security & Privacy

Transportation

Agriculture

Education

Scientific Discovery

Engineering

Commerce



Goal: For all students at all schools to receive a high quality computer science education beginning in Kindergarten and extending through 12th grade.





Students + teachers + family = success

NGSS Aligned Curriculum & Practices

Teacher Professional Development

Arts Integration

Robotics

Family Engineering

Hour of Code

K-5 Coding Pilot