EAST METRO STEAM PARTNERSHIP

BY THE NUMBERS

\# Schools Districts: **6**

\# Students: **38,710**

\# Educators Participated Professional Development (PD): **410**

\# Students participated in STEM Hub Programs: **930**

\# Student hours in STEM Hub supported programs: **19,236**

INITATIVES

BEYOND THE NUMBERS

- Design Thinking for STEM Equity
- Early Learning
- K-8 Math Leadership
- Regional Networks for STEM Equity
- STEM School Transformation
- Youth Voice

Joy and Justice Math is a professional development opportunity for elementary educators that centers equity and student voice in mathematics. Too many of our students, especially our Learners of Color, do not see themselves as math-capable. Two virtual institutes, one for K-2 educators and one for 3-5 educators, seek to address this problem by providing 24 hours of supported learning. These institutes provide educators with an opportunity to examine research-based inclusive, culturally responsive practices in math teaching. Educators gain the skills, knowledge, and dispositions necessary to modify or create integrated STEM lessons centering equity, student experience, and student voice.

Backbone Organization: **Multnomah ESD**

Counties in Region: **Eastern Region of Multnomah**

Sq. Miles in Region: **>465**

Hub Director: **Jarvez Hall**

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Website: **eastmetrosteam.org**

Podcast: **eastmetrosteam.podbean.com**

EMSP East Metro STEAM Partnership

INDUSTRY >

INCREASED ACCESS TO COMPUTER SCIENCE

Industry volunteers: **48**

industry volunteer hrs: **1,874**

EMSP, in partnership with Intel and others, is initiating *Computer Science (CS) East Metro*. *CS East Metro* is a program designed to increase student access to and interest in computer science, as well as increase engagement between professionals of color and students, and connect higher education CS programs to students. At the center of the program is *P.C. Build*, where students from underrepresented populations have the opportunity to build a gaming PC and learn about CS careers, including game development, artificial intelligence, data science, and more. We are also establishing E-sports Teams to foster equitable opportunities and continued engagement of students in computer science. Industry partners and affinity professional organizations will serve as industry mentors for each team and students will use the P.C.s built during the *P.C. Build* to participate in the E-sport season.

Just a few of the many participants in our programming efforts.

DETAIL >

MEET THE EAST METRO STEAM PARTNERSHIP

East Metro STEAM Partnership wants to see an East Multnomah County community where children, youth, and adults have equitable access to and are engaged in STEAM learning, resulting in a skilled workforce and increased economic opportunity. East Metro's region is one of the most diverse and economically challenged areas in the state. According to the 2016 US Census *American Community Survey*, incomes are 68% higher in West Portland than East Portland and in West Portland more than three times as many people hold college degrees. EMSP is governed by a Leadership Team consisting of community leaders in education, the trades, industry, and community organizations. At the direction of the Leadership Team, the Director convenes 50+ partners every other month, conducts an annual needs assessment, and serves as the point of contact for the region's STEAM efforts. In a distributed leadership model, five action teams comprised of committed partners work together to move the region toward EMSP's vision.