Envision, Believe, Succeed

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Oregon State University
Precollege Programs

As a recruitment arm of Enrollment Management, Precollege Programs (PCP) provides STEM pathways for Oregon's youth.

Since 1988, PCP supports and oversees a wide range of programs designed to increase the success of Oregon's K-12 youth by building college connections and promoting career readiness. PCP advances the four goals of OSU's Strategic Plan SP 4.0 by contributing to:

Goal 1
Preeminence in research, scholarship and innovation

Broader impacts and outreach support for faculty.

Goal 2
Accessible and transformative education

STEM programming and college connections for underserved audiences.

Goal 3
Significant impact in Oregon and beyond

K-12 programming across Oregon and the nation.

Goal 4
A culture of belonging and collaboration

Early engagement and brokering research with K-12 students.

"OSU's Beaver Hangouts has helped create a college-going culture in my classroom. Many of my students will be first-generation college goers. As 7th graders, college is an abstraction, and few of them are developmentally able to conceptualize abstractions." -Lizzie Petticrew, Assistant Principal, St. Andrew Nativity School.

PCP supports Broader Impact (BI) activities for faculty researchers.

PCP enables faculty to broaden the education impact of their research projects while also co-creating STEM curriculum and professional development opportunities for educators.

Offering a menu of services and infrastructure to deliver STEM programs and curriculum, college connections, and teacher professional development.

Engaging in institutional and community partnerships that are reciprocal and mutually beneficial to advance STEM youth education and the impact of STEM research.

Collaborating with faculty researchers to develop new outreach programs and STEM curriculum that rely on evidence-based practices, helping secure grants.

"I was delighted to partner with SMILE when developing K-12 bioenergy education programs for a $40 million USDA-CAP grant proposal. SMILE was able to provide existing partnerships with teachers and students throughout Oregon, and a wealth of experience in program development and delivery." -Kate Field, Director, BioResource Research.

The National Alliance for Broader Impacts (NABI) defines BI activity as planned experience, engagement, action, function, etc. conducted over a finite period of time, for a specific purpose, and with a target audience. ***(https://broaderimpacts.net)***

The National Science Foundation lines up different BI goals to be considered in funded research projects. ***(https://www.nsf.gov)***

PCP supports many of these goals, including promoting full participation of underserved groups in STEM, improving STEM education and educator development, and developing a diverse and globally competitive workforce.

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PCP offers an array of K-12 youth serving programs. Together, they reach diverse and underserved groups across Oregon and beyond.

SMILE Program

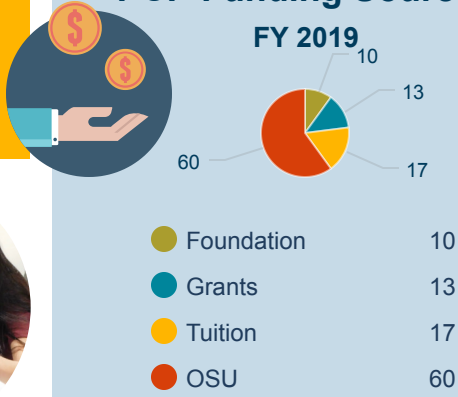
Provides STEM pathways for underserved youth via afterschool STEM clubs and professional development for teachers.

Annually serves 600-700 students in grades 4th-12th and 60 teachers. 96% of SMILE students graduate from High School.

OSU's baseline financial support allows PCP to diversify its financial portfolio through partnerships with researchers and private foundations.

PCP Funding Sources

FY 2019



Beaver Hangouts

Promotes the success of underserved middle and high school youth via equitable access to post-secondary options. OSU students volunteer as coaches connecting with classrooms via videoconferencing.

Serves 700 students in multiple schools for a total average of 3,500 hours each year.

Campus Field Trips

Encourage and inspire youth to attend college. Interacting with current OSU students is an integral part of field trips.

Annually hosts over 7,500 students, teachers, and parents for a day of STEM activities at OSU.

STEM Academy

Engages youth in year-round programs to increase college attendance and participation in STEM fields.

Four signature programs, including STEM Summer Camps, serves approximately 1,900 students each year.

Precollege Programs has a strong focus on science and engineering outreach, contributing to the following programs:

Summer Experience in Science and Engineering for Youth (SESEY) is a one-week summer program for high-school students from underserved groups.

Discovering the Scientist Within provides a free half-day workshop to encourage young women's exploration of STEM careers.

Mobile STEM Summer Camps invite youth to create things worth inventing and develop skills applying STEM concepts.

Family Science and Engineering Nights are a statewide network of events to engage youth and families in STEM activities.

TAG Programs

Talented and Gifted Programs provide educationally challenging and engaging curriculum, allowing youth with high abilities to explore interests in ways they can't do in the regular school setting.

Nearly 600 students participate in four signature programs annually.