



Oregon STEM Investment Council

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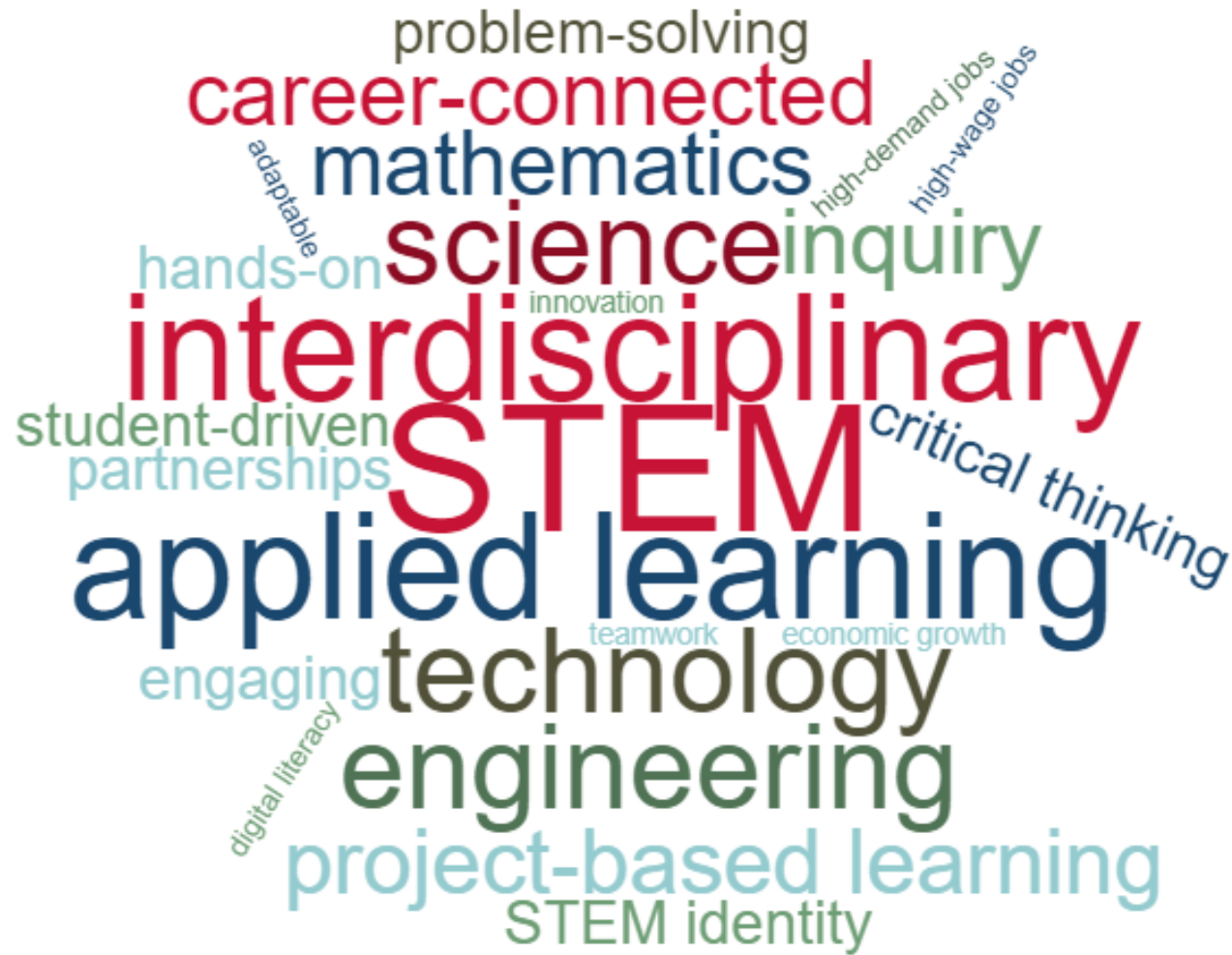
Director, STEM Investment Council
Higher Education Coordinating Commission

Presented to: Senate Committee on Education
May 15, 2019

STEM Education in Oregon

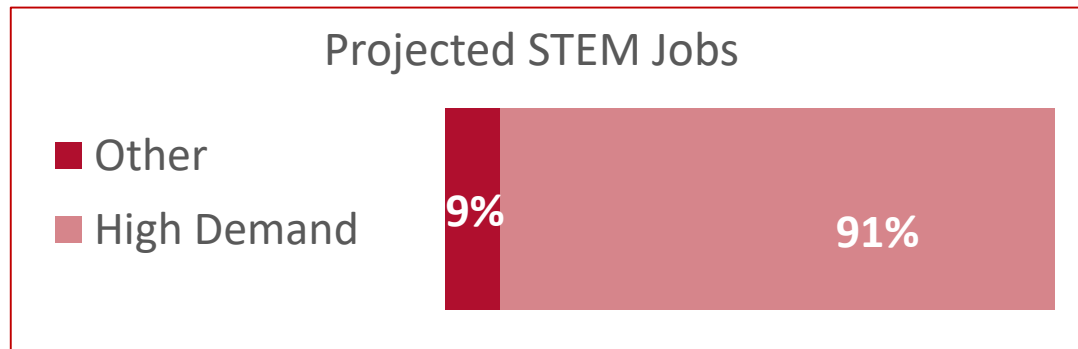
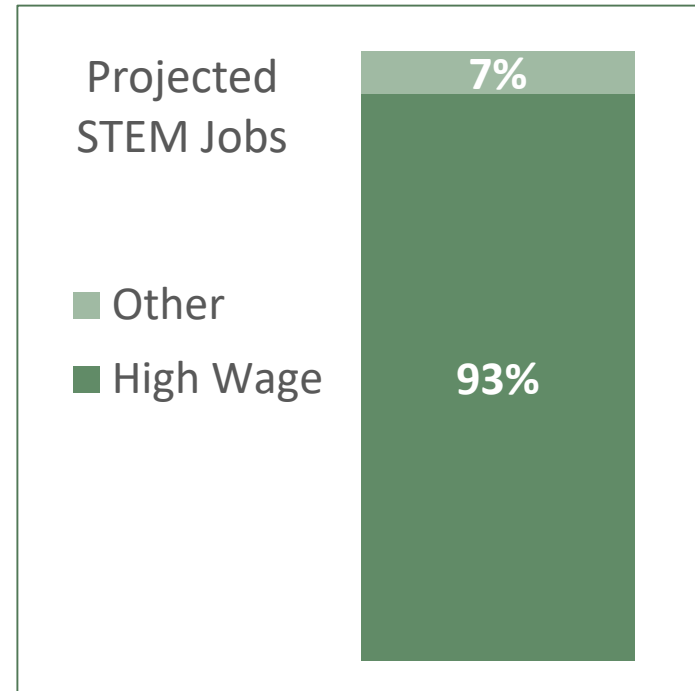
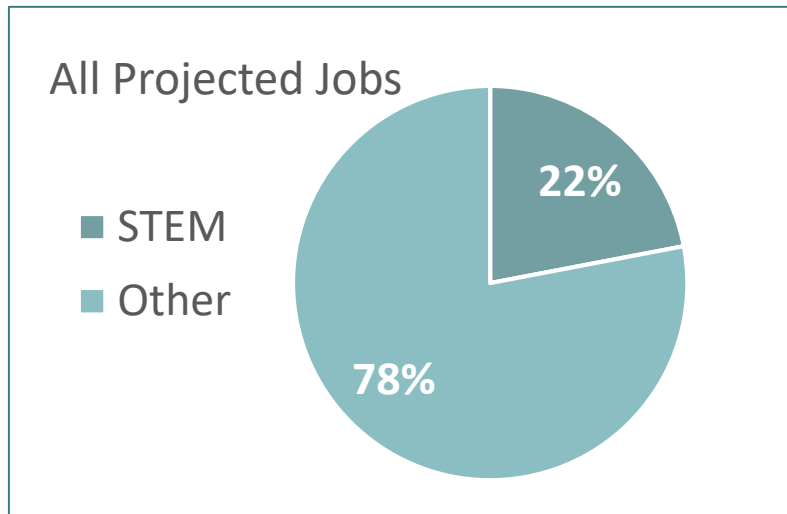


What is STEM?



STEM and Oregon's Economy

Employment Department Occupational Projections 2017-2027¹



¹ Oregon Employment Department, <https://www.qualityinfo.org/-/10-year-occupational-projections-for-stem-jobs>

Oregon's STEM Structure

**STEM
Investment
Council**

**STEM
Education
Plan**

**STEM
Innovation
Grants**

**Regional
STEM Hub
Network**

STEM INVESTMENT COUNCIL



Blue Mountain CC



Chemeketa CC



PSU

ORS 326.500: Statutory Purpose & Composition

Purpose

- Develop/oversee strategy to:
 - Double % of 4th & 8th graders proficient in math & science
 - Double # of students earning a postsecondary degree requiring STEM subject proficiency
- Make recommendations on:
 - The Regional STEM Hub Network
 - Other STEM investments (e.g. STEM Innovation Grants)

Composition

- 9 voting members from the private sector
- Nonvoting advisory members*:
 - K-12 educators/administrators
 - Postsecondary faculty/staff
- Advisory/technical committees permissible
- Council Director

STEM EDUCATION PLAN



Oregon's STEM Goals

GOAL #1

Inspire and Empower our students to develop the knowledge, skills, and mindsets necessary to thrive in a rapidly changing, technologically rich, global society.

GOAL #2

Ensure equitable opportunities and access for every student to become a part of an inclusive innovation economy.

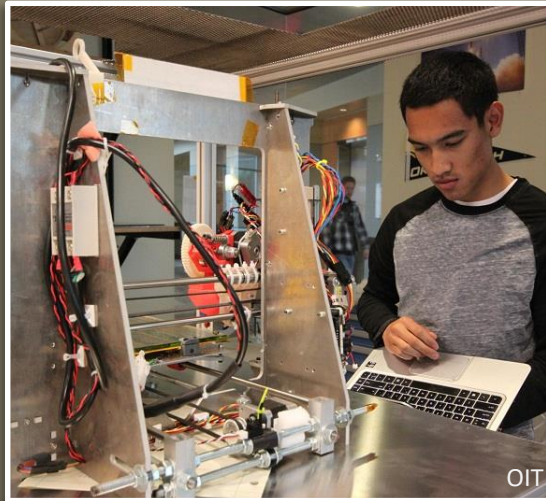
GOAL #3

Continuously improve the effectiveness, support, and the number of formal and informal P-20 STEM educators.

GOAL #4

Create sustainable and supportive conditions to achieve STEM outcomes aligned to Oregon's economic, education, and community goals.

STEM Innovation Grants



2017-19 STEM Innovation Grant Categories

(\$4.6 million)

Digital Literacy &
Computer Science

Provide professional development; build a statewide network; create statewide framework

Math in Real Life

Expand regional networks around innovation in math teaching/learning

STEM Beyond
School

Provide STEM experience for 4th-8th graders outside regular school time; develop a statewide network

Thank You