

STATE BOARD OF EDUCATION – ADMINISTRATIVE RULE SUMMARY**Title/OAR # :** First Reading—STEM Innovation Grant / OAR 581-017-0321 to 0333**Date:** December 10, 2015**Staff/Office:** Laura Roach, Office of Learning (Secondary/Post-Secondary Transitions)
Emily Nazarov, Government and Legal Affairs **New Rule** **Amend Existing Rule** **Repeal Rule****Hearing Date:** _____ **Hearings Officer Report Attached****Prompted by:** **State law changes** **Federal law changes** **Other****Action Requested:** **First Reading/Second Reading** **Adoption** **Adoption/Consent**
Agenda**PROPOSED/AMENDED RULE SUMMARY:** Establishes guidelines for STEM Innovation Grant established by HB 3072.**BACKGROUND:**

HB 3072 (2015) is the CTE/STEM framework bill. Included in HB 3072 is a grant program for innovative education and professional development related to STEM.

The purpose of the STEM Innovation Grant Program is to award grants that expand the implementation of effective programs relating to science, technology, engineering, and mathematics, that:

- (1) Propose innovative approaches to STEM-based education; or
- (2) Provide professional development relating to science, technology, engineering, and mathematics.

The State Board adopted these revisions as temporary rules in October. The rules are now back before the State Board to be adopted as permanent rules.

ISSUES/CONCERNS THAT SURFACED DURING RULE WORK:**CHANGED SINCE LAST BOARD MEETING?**

- N/A; first read—hasn't been before board
- No; same as last month
- Yes – As follows:

FISCAL IMPACT: No fiscal impact as a result of this rule.**EFFECT OF YES VOTE:** ODE staff will have the guidelines necessary to administer the new grant program in permanent rule.

5.b

EFFECT OF NO VOTE: ODE staff will have to come back before the Board in January with new rules.

STAFF RECOMMENDATION:

- Adopt administrative rule as prepared this month
- Adopt administrative rule next month
- No recommendation at this time (rarely used)

CREATED BY EN 10/1/15

Science Technology, Engineering, ~~Art~~ and Mathematics Innovation Grants (STEAM) and Career and Technical Education (CTE) Programs and Activities Grant

581-017-0321

Establishment of ~~STEAM & CTE Programs and Activities~~ the STEM Innovation Grants

The purpose of the STEM Innovation Grant Program is to award grants that expand the implementation of effective programs relating to science, technology, engineering, and mathematics, that:

- (1) Propose innovative approaches to STEM-based education; or
- (2) Provide professional development relating to science, technology, engineering, and mathematics.

~~(1) The STEAM & CTE Program and Activities Grant is established as part of the Connecting to the World of Work Program.~~

~~(2) The purpose of the STEAM & CTE Programs and Activities Grant is to:~~

~~(a) Engage school districts, public schools, post-secondary institutions, and student focused nonprofit organizations to implement programs and activities that increase learning opportunities focused on Science, Technology, Engineering, Art related industries and Mathematics (STEAM) and Career and Technical Education (CTE) to serve Oregon students.~~

~~(b) Address ongoing access, opportunity, interest and attainment gaps for underserved and underrepresented students in STEAM and CTE consistent with the Equity Lens and specifically from demographic groups who's representation in STEAM industries fields and industries does not mirror regional and national focus populations, especially women, African American, Native American, Hispanic and Pacific Islander students for which current programs have provided insufficient or inadequate balance of opportunity.~~

~~(c) Expand effective STEAM learning environments in both in-school and out-of-school by implementing innovative programs and activities to improve, enhance and enrich students' problem-solving capabilities that foster 21st century STEAM skills.~~

~~(d) Promote more effective STEAM and CTE instructional practices consistent with Common Core State Standards, Oregon State Science Standards and Oregon State Arts Standards.~~

Stat. Auth.: ~~2013 OL Ch. 661, Sec. 4 (Enrolled HB 3232)~~ ORS 327.820 ; 2015 OL Ch. 763, Sec. 1 (Enrolled HB 3072)

Stat. Implemented: ~~2013 OL Ch. 661, Sec. 4 (Enrolled HB 3232)~~ ORS 327.820 ; 2015 OL Ch. 763,

Sec. 1 (Enrolled HB 3072)

Hist.: ODE 30-2014, f. & cert. ef. 6-24-14

581-017-0324**Eligibility of ~~STEAM and CTE Programs and Activities~~STEM Innovation Grant**

The Oregon Department of Education shall allocate funds for the ~~STEAM and CTE program and activities~~STEM Innovation Grant. The following entities are able to apply ~~and shall be eligible as the fiscal agent~~ for the STEM Innovation~~STEAM and CTE Implementation Activities and Program~~ Grant:

(1) STEM Hubs;~~(2)~~ School districts;~~(3)~~ Education service districts as defined in ORS 334.003~~(23)~~ Public schools;~~(4)~~ Public charter schools;~~(35)~~ Student-focused nonprofit organizations who are in partnership with an eligible fiscal agent under OAR 581-017-0302; or~~(4)~~ Post-secondary institutions who are, or are in partnership with, an eligible fiscal agent under OAR 581-017-0302.

Stat. Auth.: 2013 OL Ch. 661, Sec. 4 (Enrolled HB 3232)

Stat. Implemented: 2013 OL Ch. 661, Sec. 4 (Enrolled HB 3232)

Hist.: ODE 30-2014, f. & cert. ef. 6-24-14

581-017-0327**Criteria of ~~STEAM & CTE Programs and Activities~~STEM Innovation Grant**

(1) The Oregon Department of Education shall establish a request for proposal, application, or direct grant solicitation and approval process to be conducted each biennium for which the ~~STEAM and CTE Program and Activities~~STEM Innovation Grant ~~grant~~ funds are available. ~~All proposals must comply with the requirements of section 1, Chapter 661, Oregon Law 2013 (Enrolled House Bill 3232) and rules adopted to implement that section.~~

5.b

(2) Eligible ~~recipients school districts, public schools, student-focused nonprofit organizations, and post-secondary institutions~~ will focus on STEAM related education with a specific agenda that demonstrates a record of success or clearly established plans for addressing the following through innovative approaches:

(a) Closing the achievement gap for students who are historically underserved students ~~or and those~~ underrepresented in STEAM or both ~~and CTE fields~~ with innovative approaches;:-

(b) Supporting effective implementation of ~~the Common Core State Standards, the Oregon State Science Standards and the Oregon State Arts Standards~~ Oregon's academic standards and relevant technical skills;:-

(c) Successfully moving students along a P-20 STEAM workforce pathway; and :-

(d) Engaging a-All students in meaningful, authentic problem-based learning ~~that will support the Oregon's 40-40-20 goal~~.

(b) The Department shall give priority to proposals that meet the minimum criteria and clearly demonstrates how the grant funds will be used to address the following:

(A) Establish how underserved and underrepresented students will be engaged and have increased learning opportunities;

(B) Support new or expand STEM programs and activities;

(C) Demonstrate a long-term sustainability plan; and

(D) Collaborate with local business and industry partners or Regional STEM Hubs or both.

(3) The Department of Education may consider the geographic location of grant applicants to ensure geographic diversity within the recipients of grant program funds throughout the state.

~~(34)~~ Eligible recipients school districts, public schools, student-focused nonprofit organizations and post-secondary institutions must have a comprehensive system for measuring students' quantitative and qualitative outcomes.

Stat. Auth.: 2013 OL Ch. 661, Sec. 4 (Enrolled HB 3232)

Stat. Implemented: 2013 OL Ch. 661, Sec. 4 (Enrolled HB 3232)

Hist.: ODE 30-2014, f. & cert. ef. 6-24-14

581-017-0330

Implementation of Grant Funding of STEAM & CTE Programs and Activities STEM Innovation Grant

5.b

~~(1) The Oregon Department of Education, in collaboration with the Chief Education Office and the STEM Council, shall determine for each biennium the funds available for the STEM Innovation Grants. ~~shall allocate funds to support in-school and out-of-school STEAM and CTE programs and activities.~~~~

~~(2) STEM Innovation Grant funds received by a grantee must be separately accounted for and may be used only to provide funding for the purposes described in the application of the grant recipient.~~

~~(2) Each grantee may receive funds between \$10,000 and \$250,000 for use during the 2013-2015 biennium.~~

~~(3) The Department of Education will award STEAM and CTE Programs and Activities Grants for the biennium distributed as follows:~~

~~(a) The Oregon Department of Education shall establish a request for proposal solicitation and approval process to be conducted for the STEAM and CTE Programs and Activities funds. All proposals will comply with the requirement of section 4, chapter 661, Oregon Laws 2013 (enrolled House Bill 3232) and rules adopted to implement that section.~~

~~(b) The Department shall give priority to proposals that meet the minimum criteria and clearly demonstrates how the grant funds will be used to address the following:~~

~~(A) Establish how underserved and underrepresented students will be engaged and have increased learning opportunities;~~

~~(B) Support new or expand STEAM & CTE programs and activities;~~

~~(C) Demonstrate a long term sustainability plan;~~

~~(D) Collaborate with local business and industry partners or Regional STEM Hubs~~

Stat. Auth.: 2013 OL Ch. 661, Sec. 4 (Enrolled HB 3232)

Stat. Implemented: 2013 OL Ch. 661, Sec. 4 (Enrolled HB 3232)

Hist.: ODE 30-2014, f. & cert. ef. 6-24-14

581-017-0333

Reporting of ~~STEAM and CTE Programs and Activities~~ STEM Innovation Grant

5.b

Recipients of the STEM Innovation Grant must report on the grant to the Department of Education. The report must include metrics developed by the Department of Education, in collaboration with the STEM Council and the Chief Education Office.

~~The Department of Education shall develop partnership reporting requirements for allocation of funds for implementation of STEAM and CTE Programs and Activities as required by the Oregon Investment Board.~~

Stat. Auth.: 2013 OL Ch. 661, Sec. 4 (Enrolled HB 3232)

Stat. Implemented: 2013 OL Ch. 661, Sec. 4 (Enrolled HB 3232)

Hist.: ODE 30-2014, f. & cert. ef. 6-24-14