

NEVADA DEPARTMENT OF EDUCATION

Notice of Workshop to Solicit Comments on Proposed New Draft Language for NAC 389.XXX

The Nevada Department of Education is proposing regulation language pertaining to the Nevada Administrative Code. The Workshop has been scheduled for **February 26, 2018** via video conference at the following locations: **Nevada Department of Education Offices, Board Conference Room, 700 East Fifth Street, Board Room, Carson City and 9890 South Maryland Parkway, 2nd Floor Board Conference Room, Las Vegas, Nevada.** The purpose of the Workshop is to solicit comments from interested person on the following general topics to be addressed in a proposed regulation:

9:20 A.M. Workshop to solicit comments on proposed changes to NAC 389.2424 Kindergarten through second grade: Technology and computers; NAC 389.2948 (Third through) fifth grades: Technology and computers; NAC 389.3905 (Sixth through) eighth grades: Technology and computers; NAC 389.450 Prescribed courses of study for graduation; NAC 389.505 Technology and computers; NAC 389.664 Units of credit required to receive standard diploma; Add new section NAC 389.XXX “Computer Science” defined; Delete the following: NAC 389.391 Eighth grade Introduction to Technology; NAC 389.6533 Introduction to keyboarding.

A copy of all materials relating to the proposal may be obtained at the workshop or by contacting by telephone Karen Johansen, State Board of Education Office, Nevada Department of Education, at 775-687-9225, or in writing to the Department of Education, 700 East Fifth Street, Carson City, Nevada 89701-5096. A reasonable fee for copying may be charged.

This Notice of Workshop to Solicit Comments on Proposed Regulation has been sent to all persons on the agency’s mailing list for administrative regulations and posted at the following locations: The offices of the Nevada Department of Education in Carson City and Las Vegas, the 17 Nevada School District Superintendents’ Offices, the 17 Nevada County main public libraries, the Nevada State Library and Archives, and at the meeting locations.

Philosophy and Rationale: Computer Science Standards

Our world is increasingly dependent upon technology, computers, and the training necessary to compete in a global digital age. The Nevada 2018 K-12 Computer Science Standards provide the rigor that our students need to become proficient at problem solving, computational thinking, and innovators of computational artifacts, rather than just users of them. Computer Science intersects with every subject area our students will take in school and every career path they may choose to pursue following graduation.

The Nevada 2018 K-12 Computer Science Standards cover the core concepts, and many sub concepts, in the field of computer science that every student should master to become computationally literate members of society. The Nevada 2018 K-12 Computer Science Standards also include the practice behaviors that our students will be actively engaged in as they learn, adapt, and employ these standards to produce computational artifacts. All curricular decisions that districts, schools, and teachers make regarding computer science education for every K-12 student in Nevada should be based on these standards.

The Nevada 2018 K-12 Computer Science Standards, in conjunction with the 2010 K-12 Computer and Technology Standards, make up Nevada's Computer Education and Technology subject area. These changes are necessary to update our curriculum in this digital age for our stakeholders. Those changes include the following:

1. The creation of computer science specific standards in five core areas with multiple sub concepts: Algorithms and Programming (sub concepts: Algorithms, Program Development, Variables, Control, and Modularity); Computing Systems (sub concepts: Hardware and Software; Devices; and Troubleshooting); Data and Analysis (sub concepts: Storage; Collection, Visualization, and Transformation; and Models); Impacts of Computing (sub concepts: Culture; Social Interactions; and Safety, Law, and Ethics); and Networks and the Internet (sub concepts: Cybersecurity; and Network, Communication, and Organization).
2. Grade level computer science standards for K-5 and grade banded standards for 6-8 and 9-12 for each of the core areas.
3. Remove antiquated standards for Introduction to Keyboarding and eighth grade Introduction to Technology.
4. The revision of the "use of computers" reference in the graduation requirements.

BRIAN SANDOVAL
Governor
STEVE CANAVERO, Ph.D.
Superintendent of Public Instruction

STATE OF NEVADA



SOUTHERN NEVADA OFFICE
9890 S. Maryland Parkway, Suite 221
Las Vegas, Nevada 89183
(702) 486-6458
Fax: (702) 486-6450

DEPARTMENT OF EDUCATION
Northern Nevada Office
700 E. Fifth Street
Carson City, Nevada 89701-5096
(775) 687 - 9200
Fax: (775) 687 - 9101
www.doe.nv.gov

**SMALL BUSINESS IMPACT STATEMENT
PURSUANT TO NRS 233B.0608**

Date: February 8, 2018

Re: Workshop to Adopt Standards for Computer Science

I, Steve Canavero, being the duly appointed Interim Superintendent of Public Instruction, do hereby certify that, to the best of my knowledge or belief:

1. The proposed Computer Science Standards are not likely to (a) impose a direct or significant economic burden upon a small business, or (b) directly restrict the formation, operation or expansion of a small business.
2. A concerted effort was made to determine any economic burden.
3. All relevant materials were reviewed and the Department considered its history with implementing similar regulations; the proposed changes are within the historic scope of the Department's activities and present no new cost of enforcement.
4. Comment has not been solicited from small businesses, and no summary of their response is provided, because small businesses are not impacted by this regulation and thus no burden or economic impact can be assessed.

I hereby further certify that, to the best of my knowledge or belief, a concerted effort was made to determine the impact of the regulation on small businesses and that the information contained in this statement was prepared properly and is accurate.

Respectfully submitted,

A handwritten signature in blue ink that reads "Steve Canavero".

STEVE CANAVERO
Superintendent of Public Instruction