COMPUTER SCIENCE EDUCATION GRANT
REQUEST FOR APPLICATION

Clark County, Washoe County, Rural Counties, and Charter School Authority

GRANT OVERVIEW:

Purpose: To help districts and charter schools to meet the provisions outlined in Senate Bills 200 (79th Legislative Session, 2017) and 313 (80th Legislative Session, 2019); to expand computer science education to all K-12 students in Nevada; to provide quality professional learning that will directly impact teachers and students in ways to teach to the standards for computer science and computational thinking in the classroom; to provide quality professional learning for administrators, counselors, and school leadership in efforts to increase CS enrollment by females, students with disabilities, and underrepresented groups in the field of computer science. Last year's grant focus was on secondary (6-12) CS integration of the standards. This year's focus is on elementary and middle school (K-8) CS integration of the standards. **All submissions must show a clear plan for this year's grant funding to support Elementary Computer Science and Integrated Technology standards integration through all districts and charters.**

Proposals Due: **October 16, 2020, by 5:00pm**

Funding Available for FY2021:
- Clark - $400,000 (specific allocation)
- Washoe - $100,000 (specific allocation)
- Rural Districts and Charter School Authority - $200,000* (non-competitive allocation)

Clark County School District and Washoe County School District have specific assigned amounts. Rural districts and charter school applicants: This is a non-competitive allocation. Funding will be adjusted based on the number of applicants and divided equally among them.

Please be advised we will be approving all State grants retroactively back to July 1 due to the late special session. All expenditures incurred from July 1 on will be reimbursed to applicants.

Website: NDE Grants Page

NDE Contacts:
Program questions: Cindi Chang, EPP over Computer Science | 702.486.7952 | cchang@doe.nv.gov

Fiscal questions: Thomas Fletcher, Grant Analyst | 775.687.9195 | tfletcher@doe.nv.gov

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INTRODUCTION: Computer Science is more than just computer programming. It is computational thinking, logical reasoning, critical thinking, and problem solving. These are tools our students need to be successful in the world they are now living in and the future that is to come.

"Computational Thinking" means problem-solving skills and techniques commonly used by software engineers when writing programs for computer applications. Such skills and techniques include, without limitation, decomposition, pattern recognition, pattern generalization, and designing algorithms. "Computer coding" means the process of writing script for a computer program or mobile electronic device. (SB 313, 80th Legislative Session, 2019)

Last year's grant focus was on secondary (6-12) CS integration of the standards. **This year's focus is on elementary and middle school (K-8) CS integration of the standards. All submissions must show a clear plan for this year's grant funding to support Elementary and Middle School Computer Science and Integrated Technology standards integration through all districts and charters.**

FUNDING TIMELINE:
Request for Application (RFA) opens 8:00am *September 21, 2020*
Request for Application (RFA) closes at 5:00pm *October 16, 2020*
Award letters sent to districts and charters, on or before this date *October 29, 2020*
Approved expenditures may begin and RFF forms may be submitted upon receipt of award letter but no later than *October 29, 2020*
End of allocation period *June 30, 2021*

ELIGIBLE USE OF FUNDS: Included are some suggested uses of funds that are approved and should help you meet the requirements.

    • *Professional Learning for educators* that will directly impact teachers and students in ways to teach to the standards for computer science and computational thinking and digital literacy prior to 6th grade; may include teacher stipends for qualified professional development; RPDP trainings and travel (if available); statewide Computer Science Summits; and CS Conferences (i.e. CSTA, ISTE, and others).

    • *Professional Learning for administrators and counselors* on changes to half-credit course required for high school graduation; teacher licensure updates; CS teacher evaluation training, and efforts to increase enrollment by females, students with disabilities, and underrepresented groups in the field of computer science.

• *Teacher Coursework Reimbursement* for teachers who have taken coursework to receive a computer science education endorsement AND applied for and successfully received said endorsement. *Note: The special funding ($100K) dedicated towards this from SB313 was taken during the recent special session so this is now an allowable expense within this grant. It is up to the discretion of the district to reimburse all or a portion of a teacher's coursework from July 1, 2020.*

• *Online/Blended Curriculum Development for Computer Science courses* to specifically support educators in hybrid models of teaching computer science at all grade levels K-8. (i.e. Kindergarten computer science and technology Canvas course of lesson plans and resources; middle school online courses and resources to support the integration of middle school computer science and technology standards within other subject areas; CS Discoveries Canvas course creation; etc.) *Note: these are some examples of many possibilities across K-8*

NOTE: There is a heavy emphasis on professional development in SB 200 and SB 313. Requests for equipment alone without a sustainable plan for broadening computer science across all grade levels or teacher professional learning in computer science and computational thinking instruction will **NOT** be approved.

APPLICATION REQUIREMENTS:

Please submit the following –

- Completed application form (Section 1)
- A brief narrative on the goals and measurable outcomes of the use of these funds to support computer science education in your district this year (Section 2)
- In your narrative, include your district plan to increase enrollment/interest of females, students with disabilities, and underrepresented minorities in computer science. (Section 2)
- If teacher coursework reimbursement is part of your budget, please include the total amount to be reimbursed, how many teachers total to receive reimbursement, and how much they will receive.
- A budget summary with narrative
- Statement of Certification and Assurances

Send these application items via email to grantsinfo@doe.nv.gov **AND** cchang@doe.nv.gov **NO LATER** than *October 16, 2020 ,* **by 5:00pm**.

CONTACT INFORMATION:
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SECTION 1**:**

Name of charter/district
_____

Contact Person(s):
_____

Job Title:
_____

Address:
_____

Phone:
_____

Email(s):
_____

Amount Requested: $_____

SECTION 2:

In an attached document, please supply a brief narrative on the goals and measurable outcomes of the use of these funds to support computer science education in your district/charter. Please include:

- • Overall goal of your use of funds this year and diversity measures to be taken for increasing enrollment of females, students with disabilities, and underrepresented minorities in CS courses

- • Professional learning plan to include estimated number of educators– teachers, counselors, administrators - to be trained

- • Expected measurable outcomes to include estimated number of students to be reached, the grade levels targeted, and how CS education efforts will be measured in your district

- • Proposed technology purchases and how they will expand computer science education specifically NOT just online/blended learning in general.