Senate Bill 200 Questions

Question	Answer
Is the funding going to be administered as a regular reimbursement grant? If not, instructions on how we request the funds, whether we need to send a budget to somebody or have local control. When are the funds going to be released?	Grants contact person: Sondra Neudauer NDE CS Contact: Cindi Chang FY 18 Process: Funding was allocated and sent out to Clark, Washoe, and rural/charters in December, 2017. Expenditures must be pre-approved by the EPP at NDE prior to any purchasing and a budget/narrative plan must be submitted. Once approved, and purchases have been made, then a Request for Funding form must be submitted to the Grants contact person so that reimbursement may be made. All expenditures must be completed by June 30, 2018. FY 19 Process: Beginning of April, 2018 - Applications for rural/charters go out. End of April, 2018 - Rural/charters applications due to EPP at NDE, including budget and narrative; Clark & Washoe budget and narrative due to EPP at NDE May, 2018 - Awards sent to districts/charters June, 2018 - Districts may begin submitting funding requests for approval to EPP at NDE July, 2018 - Approved expenditures may begin and RFA forms may be submitted to Grants and EPP. June 30, 2019 - End of allocation period
Who is part of the CS sub committee	Computer Science subcommittee members
For the requirements set to take place beginning July 2018, what work has been done to date to prepare their implementation?	(S.B. 200 - Sections 3 & 5) Districts and charters are currently putting processes in place (curriculum, resources, etc) to address computer technology education in elementary school AND to address the addition of computer science and computational thinking in the ½ credit HS computer education technology course. Senate Bill 200 funding has been allocated to assist them in this process.

Question	Answer
	(S.B. 200 - Section 4b) The Nevada Department of Education and the Computer Science Subcommittee of the Governor's STEM Advisory Council have a process in place by which they will review all instruction and make recommendations to the State Board AND post the recommended instructional resources on the NDE website.
Senate Bill 200 states that "students MUST pass Algebra and Geometry" but does this specifically imply that is only for student to use CS as a 4th math credit?	Senate Bill 200 allows for an approved Computer Science Course: AP CS Principles, AP CS A, or CTE Computer Science pathway course (no other CTE pathway substitutions), to count for a 3rd year science OR 4th year math. Only one credit may count. A student may count a CS course for their 4th year of math if they have passed their Algebra 1 and Geometry courses at some point in their high school experience.
Can a student take AP Computer Science Principles as a Freshman?	Absolutely. This is encouraged so they can use the principles taught of computer science, problem solving, and computational thinking, in other subject areas throughout the rest of their high school experience.
If an eighth grader has Algebra 1 as their math class, can they take AP CS Principles at the same time?	No. Advanced Placement courses are recognized as college credit (at the discretion of the college) and must be taken in high school.
What is currently approved as a CS course in high school?	The CTE Course Catalog outlines the sequence for 2018-19. Changes for 2019-20 will be requested Spring of 2018.
Can the "rigorous CS class" for a math/science credit be the same class as the current ½ credit?	No.
What is the criteria that will be used to evaluate a CS course for approval (Section 8b)?	The Computer Science subcommittee of the Governor's STEM Advisory Council will make recommendations to the State Board regarding the evaluation of the courses to be approved. First and foremost, the proposed CS course must align with the Nevada K-12 computer science standards. The effective date of 2020 was given to allow time for the aligning of systems to begin accepting proposed courses for approval.

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What does this mean: "The Department of Education, in consultation with the STEM Advisory Council (Computer Science Sub Committee) will review all instruction and make recommendations to the School Board Section 4b?"	Per Senate Bill 200 legislation, the Computer Science subcommittee of the Governor's STEM Advisory Council is the advisory body for computer science education initiatives in the state. One of the duties outlined for this council is to review the curriculum of instruction to be used by districts, along with the Nevada Department of Education, and make recommendations to the State Board on their approval as to satisfying the requirements in the K-12 Computer Science Standards.
How will it work if a CS course counts as a math/science credit for millennium scholarship in 2017 (Section 7) if it won't count toward college admissions until 2020 (Section 6) if the state approves the course, which is not until 2022?	Effective now, a student may use one of the approved Computer Science courses (as stated above) towards either a 4th math credit OR a 3rd science credit and that will satisfy the Millennium Scholarship requirements (i.e. college scholarship). The colleges and universities have until 2020 to get their systems in line to begin accepting these approved Computer Science courses towards college admissions as recognized replacements for a 4th year math or 3rd year science credit on student transcripts. There are current approved courses, as stated above, and additional courses in computer science that may come up in the future must be vetted by the Department of Education in consultation with the STEM Advisory Council (CS subcommittee) and brought before the State Board for approval, just as these current ones have been.
Before beginning 6th grade, all students are required to receive instruction in computer education and technology as approved by the state board, so does this mean schools could address all of the standards, in say, one special class at one grade level?	How this requirement is implemented is up to either the district or each individual school and their resources - teachers, computers, lab time, etc. ***Computer Education Technology:*** **Productivity tools -** Some elementary schools have special rotations, such as art and PE each week. If a school chooses to incorporate a rotation to cover the computer education and technology requirements then that would be appropriate.

Question	Answer
	The goal is that when our students are taking their SBAC's and other online exams, that we are testing them on their content knowledge and not on their computer skills or lack thereof. This lack of computer usage skills for *some* students is preventing an equitable testing environment for *all* students that must be corrected. This instruction prior to 6th grade will also help our students be more successful in middle and high school, as they continue to use applications and other productivity tools . **Computer Science -** Elementary schools should incorporate the computer science standards within each classroom, since they tie in with other NVACS's The critical thinking, problem solving, and computational thinking skills our students will acquire over time through these standards will help them be more successful in all subject areas. ***Equity of access to all students should be the priority for CS.***
Do we know what the percentage of instructional time will be required for CS in the current ½ credit courses?	The State Board has not made a decision on this matter, however the recommendation may be 50% instruction on productivity tools and other computer technology usage, and 50% on computer science and computational thinking
If a ½ CS credit is already a graduation requirement, how will the requirement for all high schools to offer a CS course by 2022 need to be different?	The ½ credit graduation requirement will have a percentage of productivity tool instruction and a remaining percentage of computer science (CS) and computational thinking (CT) instruction. There is not enough time in that 18 week course to cover the high school computer science standards. High schools have until 2022 to offer a course that would satisfy those 9-12 CS standards.
Is AP CS Principles an approved course already?	Yes