

281—12.11(256) High-quality standards for computer science. It is the goal of the state board of education that every school district and every accredited nonpublic school shall offer instruction in high-quality computer science for elementary, middle school, and high school students by July 1, 2019.

12.11(1) *Alignment with learning framework or standards developed by a nationally recognized computer science education organization or organizations.* Beginning with the school year which begins July 1, 2018, and each school year thereafter, instruction in high-quality computer science shall reflect an alignment with a framework or learning standards developed by a nationally recognized computer science education organization or organizations. The department shall make available to school districts and accredited nonpublic schools such a framework or learning standards.

12.11(2) *Professional development incentive fund.* A computer science professional development incentive fund is established in the state treasury under the control of the department. The department may accept gifts, grants, bequests, and other private contributions, as well as state or federal moneys, for deposit in the fund. The department may disburse moneys contained in the fund for professional development activities or tuition reimbursement. Notwithstanding Iowa Code section 8.33, moneys in the computer science professional development incentive fund that remain unencumbered or unobligated at the close of the fiscal year shall not revert but shall remain available for expenditure for the purposes designated until the close of the succeeding fiscal year. The department may disburse those moneys in the following ways.

a. A school district or accredited nonpublic school, or a collaborative of one or more school districts, accredited nonpublic schools, and area education agencies, may apply to the department, in the manner prescribed by the department, to receive moneys from the fund to provide proven professional development activities for Iowa teachers in the area of computer science education.

b. A school district or accredited nonpublic school may apply to the department, in the manner prescribed by the department, to receive moneys from the fund to provide tuition reimbursement for Iowa teachers seeking endorsements or authorizations for computer science under Iowa Code section 272.2(20).

12.11(3) *Applicability of rules.* Until July 1, 2021, subrule 12.11(1) shall only apply to school districts and accredited nonpublic schools receiving moneys from the computer science professional development incentive fund established in Iowa Code section 284.6A and described in subrule 12.11(2).

12.11(4) *Computer science plan.* The board of directors of each public school district and the authorities in charge of each nonpublic school shall develop and implement a kindergarten through grade 12 computer science plan by July 1, 2022, which incorporates the standards established under subrule 12.11(1), and the minimum educational standards relating to computer science contained in subrules 12.5(3) and 12.5(4) and paragraph 12.5(5)“*l.*”

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