AMENDED IN SENATE AUGUST 4, 2014

AMENDED IN SENATE JULY 2, 2014

AMENDED IN SENATE JUNE 17, 2014

AMENDED IN ASSEMBLY APRIL 28, 2014

AMENDED IN ASSEMBLY MARCH 28, 2014

ASSEMBLY BILL   No. 1530

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Introduced by Assembly Member Chau
(Coauthors: Assembly Members Hagman and Olsen)

January 17, 2014

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An act to add and repeal Article 7 (commencing with Section 51300) of Chapter 2 of Part 28 of Division 4 of Title 2 of the Education Code, relating to school curriculum.

AB 1530, as amended, Chau. Model curricula: computer science.

Existing law requires the adopted course of study for grades 1 to 12, inclusive, to include instruction in various areas of study, including, but not limited to, English, mathematics, and social sciences. Existing law requires the State Department of Education to adopt model curricula in certain areas of instruction, including, among others, driver education and training, gang violence suppression, and substance abuse prevention.

This bill would require the Superintendent of Public Instruction to consider identifying existing model curricula for kindergarten or any of grades 1 to 12, *6,* inclusive, on computer science, *science. The bill would also require the Superintendent to consider* recommending for

the revision of existing, or the development of new, model curricula for kindergarten or any of grades 1 to 6, inclusive, on computer science, and *to consider* submitting, on or before July 1, 2017, ~~the recommended~~ *any* model curricula *revised or developed as a result of this bill* to the State Board of Education for adoption. The bill *would provide that*, in addition to funds that may be appropriated by the Legislature for purposes of implementing the provisions of the bill, ~~would authorize~~ the Superintendent ~~to~~ *may* seek out ~~alternative nonstate~~ *and accept* funding *from nonstate* sources to defray the cost of identifying, developing, or revising the model curricula. The bill would make these provisions inoperative on July 1, 2018, and would repeal them on January 1, 2019.

Vote: majority. Appropriation: no. Fiscal committee: yes. State-mandated local program: no.

The people of the State of California do enact as follows:

1 SECTION 1. Article 7 (commencing with Section 51300) is
2 added to Chapter 2 of Part 28 of Division 4 of Title 2 of the
3 Education Code, to read:
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5 Article 7. Model Curricula for Computer Science
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7 51300. It is the intent of the Legislature to encourage the
8 establishment of programs of instruction in computer science, with
9 instruction beginning as early as feasible for each school district.
10 51301. The Legislature finds and declares all of the following:
11 (a) Computer science is an established discipline at the collegiate
12 and postgraduate levels, but the integration of computer science
13 concepts into kindergarten and grades 1 to 12, inclusive, curricula
14 has not kept pace in the United States.
15 (b) Computer science education is not just about access to
16 computers or about preparing pupils to be passive users of
17 technology, it is about preparing pupils to be innovative creators
18 of new technologies.
19 (c) Our educational system should prepare our pupils in
20 kindergarten and grades 1 to 6, inclusive, with the fundamental
21 computer science knowledge, skills, insights, and perspectives
22 they need for future success and for a world in which computing

1 is everywhere. While computer usage in classrooms is increasing,
2 knowledge and familiarity about computing is not keeping pace.
3   (d) The goal of computer science curricula in kindergarten and
4 grades 1 to 6, inclusive, should be to introduce the fundamental
5 concepts of computer science, including instruction on
6 computational thinking, algorithmic processes and principles,
7 hardware and software design, computer applications, and the
8 impact of computers on society, and to increase the knowledge of
9 computer science for all pupils, especially those pupils who are
10 members of underrepresented groups.
11   (e) The National Science Foundation and nonprofit organizations
12 publish and maintain comprehensive computer science curricula
13 for use in kindergarten and grades 1 to 12, inclusive, that are free
14 of charge to all persons. These curricula promote an introduction
15 to, and an understanding of, the fundamental concepts of computer
16 programming and coding.
17   51302. The Superintendent shall consider ~~identifying~~ *each of*
18 *the following:*
19   *(a) Identifying* existing model curricula for kindergarten or any
20 of grades 1 to ~~12,~~ *6,* inclusive, on computer ~~science, recommending~~
21 ~~for~~ *science.*
22   *(b) Recommending* the revision of existing, or the development
23 of new, model curricula for kindergarten or any of grades 1 to 6,
24 inclusive, on computer ~~science, and submitting,~~ *science.*
25   *(c) Submitting,* on or before July 1, 2017, ~~the recommended~~ *any*
26 model curricula *revised or developed as a result of this section* to
27 the state board for adoption. ~~Upon adoption,~~ *If the model curricula*
28 *is adopted by the state board;* the Superintendent shall make the
29 model curricula available on the department's Internet Web site.
30   51303. In addition to any funds that may be appropriated by
31 the Legislature in the annual Budget Act or another statute for
32 purposes of implementing this article, the Superintendent may
33 seek out, apply for, and accept ~~nonstate~~ funding *from nonstate*
34 sources to defray the cost of identifying, developing, or revising
35 the model curricula pursuant to this article, including, but not
36 limited to, federal funds, grant programs, and private funds.

1   51304. This article shall become inoperative on July 1, 2018,
2 and as of January 1, 2019, is repealed, unless a later enacted statute
3 that is enacted before January 1, 2019, deletes or extends that date.

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