

6540--A

2013-2014 Regular Sessions

I N A S S E M B L Y

April 4, 2013

Introduced by M. of A. HEVESI, ROZIC -- read once and referred to the Committee on Education -- recommitted to the Committee on Education in accordance with Assembly Rule 3, sec. 2 -- committee discharged, bill amended, ordered reprinted as amended and recommitted to said committee

AN ACT to amend the education law, in relation to requiring regulations authorizing computer science courses to count towards core curriculum content for secondary schools

THE PEOPLE OF THE STATE OF NEW YORK, REPRESENTED IN SENATE AND ASSEMBLY, DO ENACT AS FOLLOWS:

1 Section 1. The education law is amended by adding a new section 817 to
2 read as follows:
3 S 817. COURSE REQUIREMENTS. 1. THE COMMISSIONER AND THE BOARD OF
4 REGENTS ARE AUTHORIZED AND DIRECTED TO ESTABLISH RULES AND/OR REGU-
5 LATIONS AUTHORIZING COMPUTER SCIENCE COURSES TO COUNT TOWARDS THE
6 REQUIRED CORE CURRICULUM FOR SECONDARY SCHOOLS IN THE STATE FOR MATH OR
7 SCIENCE CONTENT.
8 2. FOR PURPOSES OF THIS SECTION, "COMPUTER SCIENCE" MEANS THE STUDY OF
9 COMPUTERS AND ALGORITHMIC PROCESSES INCLUDING THE STUDY OF COMPUTING
10 PRINCIPLES, COMPUTER HARDWARE AND COMPUTER SOFTWARE DESIGN, COMPUTER
11 APPLICATIONS, AND THE IMPACT OF COMPUTERS ON SOCIETY. COURSES MAY
12 INCLUDE, BUT NOT BE LIMITED TO:
13 (A) SOFTWARE DESIGN;
14 (B) HARDWARE DESIGN;
15 (C) CREATION OF DIGITAL ARTIFACTS;
16 (D) ABSTRACTION;
17 (E) LOGIC;
18 (F) ALGORITHM DEVELOPMENT AND IMPLEMENTATION;
19 (G) PROGRAMMING PARADIGMS AND LANGUAGES;
20 (H) THEORETICAL FOUNDATIONS;
21 (I) NETWORKS;

EXPLANATION--Matter in ITALICS (underscored) is new; matter in brackets
[] is old law to be omitted.

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1 (J) GRAPHICS;
2 (K) DATABASES AND INFORMATION RETRIEVAL;
3 (L) INFORMATION SECURITY AND PRIVACY;
4 (M) ARTIFICIAL INTELLIGENCE;
5 (N) THE RELATIONSHIP BETWEEN COMPUTING AND MATHEMATICS;
6 (O) THE LIMITS OF COMPUTATION;
7 (P) APPLICATIONS IN INFORMATION TECHNOLOGY; AND
8 (Q) THE SOCIAL IMPACTS OF COMPUTING.
9 S 2. This act shall take effect immediately.