MEMORANDUM

To: Superintendents, Principals, and CTE Directors

From: Amanda McCammon, Chief of Workforce & STEM Alliances

Date: June 22, 2018

Re: IC 20-30-5-23 - Next Level Computer Science Program

Background

After June 30, 2021, each public high school, including each charter school, shall offer at least one (1) computer science course as a one (1) semester elective in the public high school's curriculum at least once each school year for high school students. (b) After June 30, 2021, each public school, including each charter school, shall include computer science in the public school's curriculum for students in kindergarten through grade 12.

Guidance

The following high school CS courses may be utilized to meet the above requirements. For detailed course descriptions, please visit https://www.doe.in.gov/ccr/course-titles-and-descriptions.

Approved High School Computer Science (CS) Courses to meet IC 20-30-5-23

- 4803 Introduction to Computer Science
- 4801 Computer Science I
- 5236 Computer Science II
- 5252 Computer Science II: Special Topics
- 5249: Computer Science III: Software Development
- 5253: Computer Science III: Cybersecurity
- 5250: Computer Science III: Databases
- 5251: Computer Science III: Informatics
- 5249: Computer Science III: Software Development
- 4570: AP Computer Science A
- 4568: AP Computer Science Principles
- 4586: IB Computer Science Standard Level
- 4584: IB Computer Science Higher Level
- 9608 Cambridge International AS and A Level Computer Science

K-8 computer science standards were adopted by the State Board of Education in April, 2016, and were to be implemented beginning in the 2016-2017 school year. The Indiana K-8 computer science grade band standards are housed as part of the Indiana science standards, and may be assessed within the ILEARN science assessments in grades 4 and 6 in addition to the grade level science standards.

It is important to note that the Indiana K-8 computer science standards are <u>not</u> intended to replace the appropriate grade level science standards, but should be taught in addition to the science standards.

For more information regarding the K-8 computer science grade band standards, please visit https://www.doe.in.gov/standards/science-computer-science

In an effort to assist schools with this legislative mandate, the Indiana Department of Education is developing and identifying computer science professional development opportunities for K-12 educators. Upcoming Indiana CS professional development opportunities are located on the IDOE computer science website located here.

If you have any questions, please contact Jake Koressel, IDOE Computer Science Specialist, jkoressel@doe.in.gov.