

## Resolution 1718R-010

### By Director Bonds

WHEREAS, The mission of the Milwaukee Public Schools states, “MPS is a diverse district that welcomes all students and prepares them for success in higher education, post-educational opportunities, work, and citizenship”; and

WHEREAS, Wisconsin continues to see growth in the number of information technology related companies and jobs, with the demand for computing jobs in Wisconsin in 2017 being higher than that for any other occupation category; and

WHEREAS, Wisconsin continues to see a growth in technology companies, such as Epic and Foxconn, coming to Wisconsin, yet there continues to be a shortage in the workforce for technology related jobs including information technology, computer coding, healthcare, advanced manufacturing, and bioagriculture; and

WHEREAS, The growing pace of technology means that the Milwaukee Public Schools must try to anticipate, and prepare students for post-educational opportunities that may not even yet exist; and

WHEREAS, In June 2017, the Wisconsin State Superintendent adopted the *Wisconsin Standards for Computer Science*; and

WHEREAS, Each district, school, and program is charged with determining the means by which students will meet the *Wisconsin Standards for Computer Science*; now, therefore, be it

RESOLVED, That the Board direct the Administration to create a city-wide, comprehensive computer science programming ~~to be located~~ at Barack Obama School of Career and Technical Education and throughout the district in alignment with the Preparing Urban Milwaukee for Principles of Computer Science (PUMP CS) grant and be it

FURTHER RESOLVED, That the new computer science programming be designed to provide students with the opportunity to study computer science and computer coding in depth to prepare them for career or college; and be it

FURTHER RESOLVED, That the new computer science programming include specific emphasis on each of the five conceptual strands outlined in the *Wisconsin Standards for Computer Science*:

- algorithms and programming;
- computing systems;
- data and analysis;
- impacts of computing; and
- networks and the internet; and be it

FURTHER RESOLVED, That the programming begin with the 2018-19 school year; and be it

FURTHER RESOLVED, That the Administration bring an update on the a plan for implementation of the new computer science programming to the Board no later than the September-February 2018 Board cycle.

October 26, 2017