#334-21

Commonwealth of Virginia
Virginia Department of Education
Superintendent's Memo #334-21

DATE: December 17, 2021
TO: Division Superintendents
FROM: James F. Lane, Ed.D., Superintendent of Public Instruction
SUBJECT: **Public Comment Period for the Proposed *Data Science Standards of Learning* and *Curriculum Framework***

On November 18, 2021, the Virginia Board of Education received for first review the proposed *Data Science Standards of Learning* and *Data Science Standards of Learning Curriculum Framework*. The proposed *Data Science Standards of Learning* for Virginia Public Schools would be an addition to the current 2016 *Mathematics Standards of Learning*. The standards provide an introduction to the learning principles associated with analyzing data sets and can be the basis of a locally-developed high school level one-semester or year-long mathematics course. Through the use of open-source technology tools, it is anticipated that students participating in these courses developed from these standards will identify and explore problems that involve the use of relational database concepts and data-intensive computing to find solutions and make generalizations. Students will engage in a data science problem-solving structure to interact with large data sets as a means to formulate problems, collect and clean data, visualize data, model to predict, and communicate effectively about data formulated solutions.

The proposed *Data Science Standards of Learning* can be accessed at the Virginia Department of Education [Data Science Standards of Learning webpage](#). Public comments regarding the proposed *Data Science Standards of Learning* will be received at [vdoe.mathematics@doe.virginia.gov](#) from **December 17, 2021–January 31, 2022.**

For more information

For additional information about the proposed D*ata Science Standards of Learning*, please contact Tina Mazzacane, K-12 Mathematics Coordinator, Office of Science, Technology, Engineering, Mathematics, and Innovation, by email at Tina.Mazzacane@doe.virginia.gov or by telephone at (804) 225-4849.

JFL/TLM