



COMMONWEALTH of VIRGINIA
Department of Education

DATE: April 27, 2018
TO: Division Superintendents
FROM: Steven M. Constantino, Ed.D., Acting Superintendent of Public Instruction
SUBJECT: Computer Science Summer Professional Development Opportunity

Computer Science for Virginia (CSforVA) is a partnership between Northern Virginia Community College and *CodeVA*, providing free professional development (PD) to all Virginia public school teachers to prepare them to teach computer science classes or to integrate computer science into their classrooms.

Teachers may choose from six different training options and seven different training locations around the state beginning this summer. These training opportunities range from one-day training, to a number of “residency” PD options that span 90-plus hours and two school years beginning with three- or five-day sessions this summer.

The offerings are as follows:

- Any public school elementary teacher is eligible to participate in one-day **Launching CS K-5** training. *Prerequisites: Must be a current K-5 Virginia public school classroom teacher.*
- Any middle school teacher is eligible to participate in **Project GUTS** (Growing Up Thinking Scientifically). *Prerequisites: Current middle or high school classroom teacher employed by a Virginia school division. Recommended for science or social science instructors looking to integrate the new CS standards using modeling and simulation.*
- The **K-5 CS Coach** program is for teachers who have been selected by or who are cooperating with their building administrator. The purpose of this train-the-trainer program is to create school, division, and regional capacity to train other teachers in the K-5 integrated computer science SOLs. *Prerequisites: Current K-5 classroom teacher, media resource/librarian, or ITRT employed by a Virginia school division.*
- **CS Discoveries** is a middle school standalone course designed as a year-long or semester elective and is ideal for middle school technology, business, and CTE teachers. Training comprises approximately 90 hours of in-person training, and teachers participate in training that extends over the course of a year. *Prerequisites: Current middle school classroom teacher. Recommended for science, math, or CTE classrooms.*
- **Exploring Computer Science** is an introductory computer science course for high school teachers or middle school teachers offering a high school credit class. This training is available free to all high school and middle school teachers. Training comprises approximately 90 hours of in-person training, and teachers participate in training that spans two school years. Teachers who complete this course receive three college credits through the Richard Bland College at the College of William & Mary. *Prerequisites: Current middle or high school classroom teacher employed by a Virginia school division. Recommended for math and computer science endorsed teachers, or for CTE business or technology endorsements eligible to teach CS (consult VDOE or CodeVA if you are uncertain about your endorsement). This course can be mapped to Computer Math, Programming I, or IT Fundamentals and our trainers are prepared to help teachers map the training to these curriculums.*
- **AP Computer Science Principles** is for high school teachers offering AP Computer Science or an advanced standard computer science course and is available to all high school teachers who are or plan to offer a computer science class. *CodeVA* is a College Board-endorsed provider for this course training.

Training comprises approximately 90 hours of in-person training, and teachers participate in training that spans two school years. Teachers who complete this course receive three college credits through the Richard Bland College at the College of William & Mary. *Prerequisites: Current high school classroom teacher employed by a Virginia school division. Recommended for math and computer science endorsed teachers, or for CTE business or technology endorsements eligible to teach upper-level CS courses (consult VDOE or CodeVA if you are uncertain about your endorsement).*

To register for all of these free professional development offerings, [go to https://www.codevirginia.org/get-involved/educators/](https://www.codevirginia.org/get-involved/educators/) ➔, and for more information, call 804-727-9817 or email training@codevirginia.org ✉. For general questions regarding computer science, contact Timothy Ellis, Computer Science and Virtual Learning Specialist, by phone at 804-225-3489 or by email at Timothy.Ellis@doe.virginia.gov ✉.

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