



**VIRGINIA
IS FOR
LEARNERS**

James F. Lane, Ed.D.
Superintendent of Public Instruction

SUPERINTENDENT'S EMAIL

Contact: Maggie Clemmons 804-225-4387

DATE: March 4, 2020

TO: Division Superintendents

FROM: James F. Lane, Ed.D., Superintendent of Public Instruction

SUPT'S EMAIL: Computer Science Summer Professional Development Opportunity

Computer Science for Virginia (CSforVA) is a partnership between the Virginia Department of Education and CodeVA, providing free computer science professional development (PD) to all Virginia public school teachers. The purpose is to prepare divisions and teachers to offer computer science classes, or to integrate computer science into their classrooms per the Computer Science Standards of Learning statewide mandate.

PD offerings through this program include preparation to teach AP and standard-level high school/middle school courses, as well as K-5 and middle school integration specialist training academies and a variety of one-day workshops. PD Institutes will be offered at seven training locations around the Commonwealth to ensure access to all regions of the state. PD dates and locations are found at the [CodeVA website](#).

Programs begin during the summer of 2020 with teachers registering for these one-day or year-long "residency" cohorts. Teachers in cohorts may complete 90-plus hours of in-person PD, and cohorts begin with four- or five-day sessions in July. One- or two-day options for elementary and middle school teachers range from introductory programs to deeper dive sessions into concepts such as coding or CS integration across other subject areas.

Register at [this website](#). If you would like more information, you can reach CodeVA by calling 804-727-9817 or emailing training@codevirginia.org.

Training offerings are as follows:

- Any public school elementary teacher is eligible to participate in one-day **Launching CS K-5** training. *Prerequisite: Must be a current K-5 Virginia public school classroom teacher.*
- The **Elementary CS Coach Academy** is for teacher leaders coordinating with their building administrator to provide professional development to other faculty in their school or division. 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 SOL. *Prerequisite: Current K-5 classroom teacher, media resource/librarian, or ITRT employed by a Virginia school division.*

- The **Middle School CS Coach Academy** is for teacher leaders coordinating with their building administrator to provide professional development to other faculty in their school or division. The purpose of this train-the-trainer program is to create school, division, and regional capacity to train other teachers in the middle school integrated computer science SOL. PD also will include optional Project GUTS training for modeling/simulation in science classrooms. *Prerequisite: Current middle school classroom teacher, media resource/librarian, or ITRT employed by a Virginia school division.*
- Any elementary or middle school teacher is eligible to participate in one- or two-day module sessions that provide deeper dive into concepts. **Project GUTS** (Growing Up Thinking Scientifically). *Prerequisites: Current classroom teacher employed by a Virginia school division. Recommended for science or social science instructors looking to integrate the CS standards using modeling and simulation.*
- **Middle School Elective** is a middle school standalone course aligned with the Middle School Computer Science Elective, course code 10022. Designed as a year-long or semester elective, this course 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.*
- **Computer Science Foundations** is an introductory computer science course for high school teachers or middle school teachers offering a high school credit class and is aligned with the new Computer Science Foundations course code (10020). 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 may also be mapped to Computer Math, Programming I, or IT Fundamentals and our trainers are prepared to help teachers map the training to these curriculums.*
- **Computer Science Principles** aligns with the Computer Science Principles (10011) course code and is for high school teachers offering AP Computer Science or an advanced standard computer science course. Free training 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 utilizing any AP CS-P curriculum, including TEALS or Project Lead the Way, are encouraged to attend both for support and opportunity to collaborate with peers. 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).

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.

JFL/te