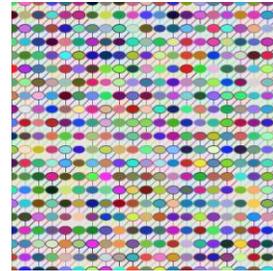
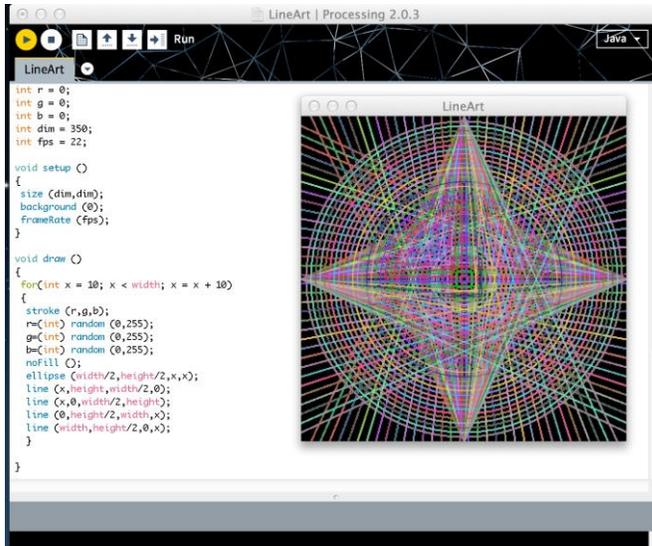




WRITING CODE FOR THE MATH CLASSROOM

Teach students to program computers to create art and games

January 27; Scholarships Available*



This one-day professional development workshop, WRITING CODE FOR THE MATH CLASSROOM, will show secondary mathematics teachers how to give students an experience in computer programming, which may lead to the study of computer science and future professions. Mathematics concepts that high school students are already exploring can be illustrated through the lens of coding. Computer programmers apply mathematics to create amazing images behind video games, animated movies and special effects.

Trinity Valley School educators, Melissa Burkhead and Dr. Ginger Alford, will lead the workshop. This educator team has a combined 24 years of experience teaching mathematics and computer science, or a combination of the two, to secondary level students. Additionally, Burkhead has extensive experience teaching other teachers, spanning four continents! Alford's 25 years of experience in commercial software development, intellectual property consulting, and academic research is a valuable resource to the school's developing CS program. Trinity Valley School is a kindergarten through 12th grade, independent, co-ed, college preparatory, day school, located on 75 acres in southwest Fort Worth

Workshop participants will:

- Use a free development environment to learn interactive and logic based coding; write computer code while creating images and simple games.

- Explore computing topics that could be modeled in Pre-AP geometry, Pre-AP Algebra II, pre-AP precalculus, and Pre-AP physics classrooms.
- Take away classroom-ready materials that contain lab instructions, sample code, and supplemental instructional materials. (TEKS provided)
- Brainstorm with other educators on how to make coding accessible to more students. A maximum of sixteen participants will be accepted for this workshop.
- Receive certification for 6 hours of CPE credit.

Tech information:

- The software development environment, “Processing,” will be used for this workshop. It is available for free at www.processing.org.
- A classroom computer will be available for each participant during the workshop. Participants using their own laptops must preload the above software.

Target Audience: Pre-AP Geometry, Pre-AP Algebra II, Pre-AP pre-calculus, Pre-AP Physics teachers, and any teacher who wants to bring computational thinking and coding into the classroom. No previous experience coding is necessary.

Workshop space is limited to 16 participants!

KEY INFORMATION:

Dates: January 27, 2017, 8:30 a.m. to 3:30 p.m.

Location: Trinity Valley School, 7500 Dutch Branch Road, Fort Worth, Texas, 76132

Fee*: \$250 (includes lunch and materials)

[REGISTER NOW](#)

***SCHOLARSHIPS ARE AVAILABLE.** Thanks to a generous grant from The Miles Foundation, 14 scholarships are available to educators from schools that can demonstrate need and underserved student populations. **To apply for a scholarship, please email the following to forbesn@trinityvalleyschool.org:** **Teacher name, School name, and School District.** Send this email before registering at the link above. You will be notified within three days regarding scholarship qualifications. The scholarship covers the full workshop fee. A \$25 deposit will be required to hold the spot; this deposit will be refunded at the end of the workshop.

Contact: Nicole Forbes / 817-321-0122 / forbesn@trinityvalleyschool.org