ESD Before / After School Winter 2017 - 2018

Comic Book Creation

Grades 3 - 4
Wednesdays
3:30 - 4:30 PM
January 10 - March 7
Maximum - 12
Napoleon Leiva
$250, price includes artist set

BAM! ZOOM! POW! Since the 1930's comic books have been a popular American form of storytelling. One hundred years before that, Claude Monet drew humorous caricatures of local dignitaries. When he was 12, Pablo Picasso drew comic-esque superheroes like Hercules. The work of Andy Warhol and Roy Lichtenstein, cemented cartoons' place in the fine-art world. From Batman to Archie, the comic book culture has made its way to everything from movies to clothing to children's toys and the artists behind them practice ideation, drawing, and designing compositions to develop these forms.

In the ESD Comic Book Club, students will learn the multiple components necessary to creation their own comic book. From storyline and plot, to character development and layout design, to the minimalist line drawings that drive the form, artistic students will learn the tools to make and print their very own comic.

ESD Coding Club

Grades 3 - 4
Tuesdays, Grade 3
Thursday, Grade 4
3:30 - 4:30 PM
January 9 - March 8
Maximum - 12
Napoleon Leiva
$250

Traditionally in the United States, computer programmers begin their training in college. However those who have had the most impact in the field began their exploration far earlier than that, some in high school, but many even earlier than that.

Research shows that students who begin coding at an earlier age learn its complexities as another language while their brain is still developing. The patterns of computational and sequential reasoning created by coding and the way these activities encourage curiosity sit at the heart of our country's educational goals. Coding is less about technology and far more about providing students with a foundation to a problem-solving language at a stage that opens

doors to this limitless field of study.

Enter the ESD Coding Club. In this 9 week club, students will learn coding principles and apply them to brainstorming and creating their own online video game, while providing a starting point for further more complex coding offerings in the future.

ESD Ringers
Grades 2 -4
Thursdays
3:30 - 4:30 PM
March 1 - April 26
Minimum - 4, Maximum - 22
Monica Awbrey
$150

In ESD Ringers, students will learn the basic techniques of handbell ringing and music reading while enjoying the process of making music as part of an instrumental ensemble. Prior experience is not necessary! Students will rehearse one day a week and have opportunities to serve in chapel and perform at school events, such as Fine Arts Night.

Exploring Digital Art
Grades 2 - 4
Mondays
3:30 - 4:15 PM
January 22 - February 12
Minimum - 5, Maximum - 18
Martha Bowden and Wendy Kenneybrew
$175

Do you love to draw? Do you enjoy using technology? Come to Digital Art class to apply your love of drawing to digital platforms on the computer, Chromebook and iPad. Learn how to create beautiful art using digital tools, then explore various options of how these creations can be converted to different image types for products and publications. Set your artwork to music for a whole new experience.

Ukulele Club
Ages 8 - 11
Wednesdays
3:30 - 4:15 PM
January 3 - April 25
Minimum - 3, Maximum - 10
Becca Bryan, Chelsea Pemberton
$500, price includes 1 ukulele + carrying case and 16 lessons

Have you ever wanted to play your very own instrument and sing along? The ukulele is an easy and fun instrument to play and on top of that, research clearly shows that learning to play an instrument stimulates the brain in unique ways to improve long term memory, strengthen mental alacrity and helps brains integrate multisensory inputs. In this introductory class you will learn three chords and strumming techniques that will allow you to play hundreds of songs!

The What If Lab: Making and Engineering*

Grades Primer and 1 Tuesdays 2:30-3:30 PM January 9 - February 27 Minimum 4, Maximum 7 Mike Cogliandro, Megan Barnes $200	Grades 2 - 4, GIRLS ONLY Wednesdays 3:30 - 4:30 PM January 10 - February 28 Minimum 4, Maximum 8 Mike Cogliandro $200	Grades 2 - 4, COED Thursdays 3:30 - 4:30 January 4 - March 8 Minimum 4, Maximum 8 Mike Cogliandro $200

Back by popular demand, Mr. Mike Cogliandro, ESD's Lower School technology guru and #1 maker/tinkerer expands this making and engineering class for another session, this time with a class designed specifically for girls. The What-If Lab is unique in that Mr C will be the CLO, the Chief Learning Officer. He is there to offer direction and ideas, and to learn and build alongside the students in the group. He is the quintessential questioner, using questions to push students to think more deeply and discover their own answers.

Subject matter will vary from week to week but centers around STEM related subjects with a focus on the "maker movement". One week may be squishy circuits and the next week may be quantum physics (and yes, there is actually a simple experiment that can be done in the classroom to demonstrate some quantum physics principles). Together they will take things apart, see how they work and what they are made of. We will design, engineer and build things. The goal is not to teach facts, it is to foster a lifelong curiosity for learning, science, design, creation and experimentation.

*Because of overwhelming response to this program last fall (we had to close the sign up after one day of posting it), the winter session will have a different sign-up process from other sessions. In order to make it fair we will be *instituting a lottery* for the available spots. *Signup will be open until December 11 ONLY*. After signup closes participants will be chosen via an automated lottery program.

For easy registration please use this link.
*Please note that no programming occurs on conference days or school holidays.