

KIDS COLLEGE 2014 CLASS DESCRIPTIONS

Basic Mindstorm Robotics

Instructor: Diana Kio

Do you love Legos and robots? Want to take it to the next level? Let's bring those creations to life! This entry level class to the world of Robotics will teach you how to build and program using the Lego Mindstorms NXT 2.0 platform. The robots will compete in daily challenges where they must sense their environment, perform programmed tasks, and navigate obstacles. Join us as we engineer the future!



Advanced Mindstorm Robotics & Computer Game Design

Instructor: Shane Kio

If you already have experience with the Lego Mindstorms robotics system and if you are interested in learning how to design and create video games, then this course is for you! In 5 days, you will build robots with multiple control bricks and program them using real computer code. You will also learn how video games are made, from planning to playing. We will use our Mindstorm robots to solve real world problems and then translate that information into virtual game environments. Ready, set, PLAY!

Art from A to Z

Instructor: Rose Jeffers

Creating through the exploration of color and science, students will understand the importance of mood and expression within the artwork as both the creator and the viewer. Students will create using traditional techniques and experimentation in drawing, painting, weaving, and sculpting. Work created will be inspired by color, artists, and music.



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Adventures in Digital Art, Photography & Graphic Design

Instructor: Lauren Garbacz

Covers digital photography techniques that will help students compose better pictures. The Adobe Photoshop Elements program will be used to complete several projects related to photography and graphic design. Students will receive a flash drive with all of their work from the week, as well as several printed photographs to take home. Students are not required to have a digital camera, but it is helpful.



Forensic Science Crime Scene Investigators

Instructor: Stephanie Lilliston

Come learn how to process a crime scene! Participants will learn how to collect and identify fingerprints, analyze blood, hair, and fibers and sketch and photograph a crime scene. Students will also use facial identification software to create a sketch of a suspect and will participate in a facial reconstruction activity. The week will end with a mock crime scene where you will test your skills - do you have what it takes to solve the crime?



Digging with Dave: Introduction to Archaeology

Instructor: Dave Wright

Do you want to know how people in the past lived? Do you want to be a real life Lara Croft or Indiana Jones? Then take this class and become a detective with a shovel! Use the same tools that real life archaeologists use and see history for yourself. Class will include field trips to excavation sites like Furnace Town in Maryland where students will be able to uncover treasures for themselves. The fascinating world of underwater archaeology will be explored as well!

