

iridescent

<http://iridescentlearning.org>

musical instrument engineering

July 11 - 15, 2011 Ages 8-12

Musical instruments create sound by vibrating in different ways. Children will investigate the physics of sound using musical instruments that they create. They will learn how sound is made and how sound travels through different materials.

animals as our engineering inspiration

July 18 - 22, 2011 Ages: 6-9

When attempting to create manmade flying machines, both Leonardo da Vinci and the Wright brothers studied the way birds fly! Today, scientists and engineers continue to study animals to get inspiration for new inventions and technologies. Children will learn how animals are inspiring new technologies from airplanes to wind turbines. Hands-on projects allow children to practice bio-inspired engineering!

underwater robotics

July 25 - 29, 2011 Ages 13+

The underwater robotics course involves SeaPerch robots which are remotely operated underwater vehicles. The SeaPerch Program, created by the MIT Sea Grant Program allows students to build underwater robots for various research activities.

worms vs. robots

August 1 - 5, 2011 Ages: 11-14

Iridescent is partnering with Bio Bus (www.BioBus.org), a mobile science laboratory where students make their own discoveries, to explore how technology copies nature! Study nematodes (worms) with Bio Bus scientists, then build and program a robot that mimics worm behavior. Engineer your robot and test how it fares in a survival-of-the-fittest robotics competition!



kids explore scientific & engineering principles through building their own experimental models

want to learn more?

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Courses will run at the Iridescent NYC Science Studio:

890 Garrison Ave, Bronx, NY 10474

The courses run for one week each 9am - 3pm, M-F.

You can register for multiple courses/multiple weeks.

The cost is \$300 per course/week.

Financial aid available.

more info and registration at:

www.IridescentSummerCamp.eventbrite.com

www.iridescentlearning.org