



NUTS ABOUT SCIENCE

AFTER SCHOOL SCIENCE AT NIJI-IRO!



Our Winter session is called...The Physics Playground

Get ready to experiment, explore, and play your way through the amazing world of physics! In this exciting 8-week session, students will dive into forces, motion, sound, flight, energy, and more — all through hands-on activities and fun experiments designed just for curious young scientists. Each week brings a new theme and plenty of discoveries, where science and play go hand in hand!

Who: Students in Grades 1st - 6th (classes taught in English)

When: 3:30-4:45 pm on **Tuesdays**

Dates: 1/6, 1/13, 1/20, 1/27, 2/3, 2/10, 2/24, 3/3 (no school 2/17; make-up date is 3/10 if a class is cancelled due to instructor illness or inclement weather)

Where: Niji-Iro Art Room

Tuition: \$215 per student. All materials are included.

Registration Steps:

1. Visit our website at: www.nutsaboutscience.com or use QR code below
2. Click on the REGISTER button
3. Follow the registration and payment steps on Active Network
4. Contact Jennifer Price at jenniferp@nutsaboutscience.com with any questions.

*** Registration opens November 28th at 8 am and closes December 12th at 11pm**



* A full description of each class is on the next page. Classes are aligned with MI Science Standards.

Class Information: Students should go directly to the **ART ROOM** after school.

Snack: Please provide your child with a **healthy nut free** snack to enjoy at the beginning of the class.

Absences: Email us if your child will be absent. Materials from a missed class will be given to a student when they return. Sorry, no refunds.

Dismissal: Students will be dismissed through Door 18; the same receiving doors used for dismissal. *There is a \$10 late fee if a student is picked up after 4:55 pm.* Students who attend Himawari will be escorted there after class.

QUESTIONS? Email Michele Gradinscak at michelegradinscak@gmail.com



1. **May the force be with you!**

What is a force? We begin this class with the amazing Egg Drop! Then, students learn about forces, gravity, motion, speed and inertia by making a penny drop into a cup without touching it.

2. **Space, Stars and Constellations**

Is it a star, moon, asteroid, or planet? Students will learn to spot the differences as we explore the wonders of space. Using models, we'll discover rotation and revolution, then students will create a star wheel to help them stargaze at home.

3. **Flight Science**

Why do planes soar and helicopters hover? Students will learn the science of flight while building and testing paper airplanes and helicopters. We'll launch them, run flight demos, and experiment with how design changes performance.

4. **Energy class:** Get ready to power up! In this fun, hands-on class, students will be introduced to different forms of energy - sound, electrical, motion, and chemical. We'll discover where energy comes from and how it makes things move, light up, and buzz!

5. **The Sounds of Science**

What really is sound? We will discover how sound is created, what pitch is, and how to create resonance in this class. We will create a chicken cup, a screaming balloon and play with many different sound toys while we learn all about sound. Science is fun!!

6. **Magnets: The Pull of Science**

What makes magnets stick together—or push apart? In this hands-on class, kids will explore temporary, permanent, and even electromagnets. We'll build our own electromagnets with nails, wires, and then take home a spinning magnetic toy!

7. **Energy in Motion**

From potential to kinetic energy, kids will see energy in action! Using marbles, tape, and simple supplies, we'll design and test mini roller coasters. Students will explore how energy transforms from stored to moving while creating their own thrilling rides.

8. **Battle of the Batteries**

Which will shine brighter—a lemon battery or a potato battery? Kids will test their own fruit-and-veggie power sources, compare results, and meet "Battery Man" in a zany Shrinkle activity.