



# NUTS ABOUT SCIENCE

## AFTER SCHOOL SCIENCE at MORAINÉ!



**FREAKY FUN PHYSICS!!** Join us as we investigate physics, Sir Isaac Newton, experiment with forces, learn all about air, the power of magnets, light and color!! We'll have some freaky fun in this session!

**Who:** Students in Grades 1<sup>st</sup>-5<sup>th</sup>

**When:** 3:45-5:00 pm; **Tuesdays** 2/7, 2/21, 2/28, 3/14, 3/21 (no class 2/14 and 3/7)

**OR Wednesdays** 2/8, 2/22, 3/1, 3/8, 3/15, 3/22 (no class 2/15)

(make-up dates are Tuesday 4/4, Wednesday 4/5 if a class is cancelled)

**Where:** Room 19

**Tuition: Tuesdays:** \$140 per student; \$115 for student with parent helper

**Wednesdays:** \$165 per student; \$135 for student with parent helper.

Parent helpers must attend all 7 weeks. All materials are included. \$7 of each student's tuition goes to Moraine PTA.

### Registration Steps:

1. Visit our website at: [www.nutsaboutscience.com](http://www.nutsaboutscience.com)
2. Click on the REGISTER button
3. Follow the registration steps on Active Network
4. Contact Jennifer Price at [jenniferp@nutsaboutscience.com](mailto:jenniferp@nutsaboutscience.com) with any questions

\* Registration opens January 17th and closes January 27th

## CLASSES :

- Freaky Fun Physics
- The Plusses & Minuses of Batteries
- Magnet Mania
- The sunny side of Earth
- Making Waves with Light & Sound
- All About Air

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

**Class Information:** Students should go directly to the **ROOM 19** after school.

**Snack:** Please provide your child with a **healthy** 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 the following week. Sorry, no refunds.

**Pick up Policy:** Students must be picked up at 5:00 pm from the **Front Door**. *There is a \$10 late fee if a student is picked up after 5:15 pm.* Students who attend Kids Club will be escorted there.

**QUESTIONS?** Email Anna Geml at [ANNAGEML@gmail.com](mailto:ANNAGEML@gmail.com)



## **Freaky Fun Physics**

**Freaky Fun Physics!** What exactly is Physics? In this class students are introduced to Physics concepts from the smallest atoms to the largest stars. We explore the many forces and types of energy found on planet Earth.

**Magnet Mania:** Join us as we discover how magnets really work. First, we'll test different items to see which ones are attracted to magnets. Then we'll make a homo-polar motor and a spinning top toy. You'll really be attracted to this one!

**Making Waves with Light and Sound:** We explore light and sound waves and how they help communicate messages by creating a musical instrument and an LED Light talker!!

**The Pluses and Minuses of Batteries:** What are batteries? Students will investigate how batteries are made, why there is a positive and negative end of a battery and how they power our gadgets. We'll make a battery with a potato, pennies and nails that will power an LED light!!

**The Sunny Side of Earth:** Where are the stars and moon during the day? Students will explore this question as we create a model of the Sun, Earth, Moon orbit. Then we discuss the moon phases, create a moon Journal, and discuss what's been happening on the moon.

**All About Air:** Students will learn the fundamental properties of Air: it occupies space, has weight, and exerts pressure by watching the Egg-in-a-Bottle trick. Saving the best for last, students will build and race an air powered car. Ready, set, blow!