



AFTER-SCHOOL STEM CLUB

ST. MICHAEL'S

This season is a **repeat of last semester's curriculum** for those who were unable to join us due to scheduling conflicts.

Class Dates

Science Lab

1/21, 1/28, 2/4, 2/11, 2/25, 3/3

Heart, Lungs, & Senses

3/10, 3/17, 3/24, 3/31, 4/7, 4/14

(see back of flyer for class topics list)

Grades: K-5

(rosters split by grade-range when reg. numbers allow)

Start Date: 1/21/20

Day: Tuesday

Time: 3:30-4:30

Registration: \$154 (only \$12.83 per class)

Reg. Deadline: 1/14/20

Past Reg. Deadline: +\$15

Roster Closes: 1/17/20

Register online at register.brainstemaz.com.

520-733-7000

BRAIN STEM

Mission Statement

Using play as a catalyst, we move minds towards critical-thinking and problem-solving by providing STEM-related educational support services.
Play. Think. Learn.

Class Highlights

Slime Lab

We've isolated the most common slime ingredients. Each student will control these variables and make their own **super slime**.

Surface Tension

We'll see the strength of hydrogen bonds and how charges repel/attract, & **bubbles!**

Dynamic Fluids

Our "sticky milk" experiment shows how the viscosity of non-Newtonian fluids behaves differently than "normal" fluids.

Solutes & Solvents

Growing 2 types of crystals will help our class begin to understand the difference between solutes & solvents in solutions.

Acids & Bases

We'll test different liquids to visualize the difference in pH levels. Our take-home allows students to watch acidic corrosion.

Chemical Reactions

Our students will make-to-keep a protein plastic & form CO₂ via a chemical reaction.

Heart, Lungs, & Senses

The Ear & Sound

Our class will build their own **pitch boxes** after learning about the ear & sound waves.

The Heart & Circulation

Each student will create their own **heart model** and travel along the pathway that blood takes through the heart.

Respiration & Lung Capacity

Building functional **lung models** will show how our lungs & diaphragm bring all that sweet-sweet oxygen into our bodies.

The Brain & Nervous System

The class will make **brain hats** and play brain games to learn about their memory and brain-sidedness.

The Eye

Students create an **eye model**, including muscles, and discover their blind spot.

The Skin & Touch

We'll learn how touch receptors work with the brain and our students will build their own 3D model of human skin.

Visit us online: brainstemaz.com

"Like" us if you like us!

