

# Matter matters at St. John the Baptist, Kenmore

As an activity to study the states of matter, fifth-grade teacher Mary Donahue and St. John the Baptist School STREAM coordinator Mary Makar worked together to create lab stations for the students to apply the concepts that they learned in science class and understand how these theories work in the real world.

"Students worked together and traveled between three lab stations, each lab applying a different theory about the topic of matter," Donahue said. "Working in the Makerspace on science experiments means instant engagement for our students. The more engaged they are, the better they learn, so bringing experiences like this to my students just makes sense."

Students rotated between three lab stations where they identified properties of solids, differentiated between mixtures and solutions,

and learned how states of matter change.

The highlight of this lab experience for the children was watching and doing experiments with dry ice. After going over the safety rules of dry ice, Makar, explained the difference between regular ice and dry ice. Dry ice is carbon dioxide in its solid state. Unlike solid water or ice that changes into a liquid state when it melts, dry ice changes directly to a gaseous state under proper conditions. Students learned that this process is called sublimation. "As soon as I took the dry ice out of the cooler and it began to fog, I immediately heard the amazement of the students," Makar said. "Demonstrating the process of sublimation directly in front of the students rather than reading about it in a textbook or watching a video helped them to fully understand what was happening."



COURTESY OF ST. JOHN THE BAPTIST

Fifth-grade students Ella Fabiano, Julia Crawford and Hailey Muff work with dry ice during a science lab experiment on states of matter.



## OUR LADY OF VICTORY NATIONAL SHRINE & BASILICA

South Park & Ridge, Lackawanna, New York † Msgr. Paul J.E. Burkard, *Pastor*

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### CHRISTMAS CONFESSION

Friday, December 21, 2018 3-4:00 & 7-8:00 p.m. † Saturday, December 22, 2018 3-4:00 & 7-8:00 p.m.

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#### CHRISTMAS EVE

**Monday, December 24, 2018**  
4:00 P.M. *Children's Liturgy*  
6:00 P.M. *Christmas Vigil*  
12:00 A.M. *Midnight Mass*

#### NEW YEAR'S EVE

**Monday, December 31, 2018**  
4:30 P.M.

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#### CHRISTMAS DAY

NATIVITY OF THE LORD  
*(Holy Day of Obligation)*  
**Tuesday, December 25, 2018**  
8:00 & 10:00 A.M., 12:00 NOON  
No 4:30 P.M. Mass

#### NEW YEAR'S DAY

FEAST OF THE BLESSED VIRGIN MARY,  
THE MOTHER OF GOD  
*(Holy Day of Obligation)*  
**Tuesday, January 1, 2019**  
8:00 & 10:00 A.M., 12:00 NOON  
No 4:30 P.M. Mass

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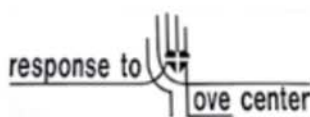
#### HOLIDAY HOURS AT THE OLV GIFT SHOP

Sunday ..... 10 - 4  
Monday ..... 10 - 4  
Tuesday ..... 10 - 4  
Wednesday ..... 10 - 4  
Thursday ..... 10 - 4  
Friday ..... 10 - 4  
Saturday ..... 10 - 4

*The Basilica carries a wide variety of religious and holiday-themed items and offers a peaceful stop in the midst of the busy Christmas season.*

**Open Christmas Eve, 10 - 1**  
**Closed on Christmas and New Year's Day**  
**VISIT THE FR. BAKER MUSEUM**

"Christmas is joy,  
religious joy, an inner joy  
of light and peace."  
Pope Francis





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*On behalf of*  
**Resurrection Parish in Batavia**  
Rev. Ivan R. Trujillo, Pastor  
Rev. Robert E. Waters and Rev. James L. Fugle, Senior Parochial Vicars

*Wish everyone a prayerful Advent  
and a Blessed, Joyous Christmas Season*

Christmas Masses are:  
St. Mary's Christmas Eve: 4PM & Midnight  
St. Joseph's Christmas Eve: 4PM • Christmas Day: 9AM