



Presents

## **“Robotics Club” at St. John Paul II Catholic School**

### **Imagineers (IMG) PreK-K**

“Little engineers with BIG ideas” Children explore the mechanical use of gears, pulleys, axles, motors and much more, while learning to visually follow and understand step-by-step construction manuals and basic mechanical properties of how things move and work. Working in small groups, our young LEGO builders’ dreams come to life. With imaginations going “wild”, the possibilities are endless.

**Day: Wednesday Time: 3:15-4:15**

**Cost: \$185.00 + registration fee**

**Dates: Aug. 29<sup>th</sup> Sept. 5<sup>th</sup>, 12<sup>th</sup>, 19<sup>th</sup> Oct. 3<sup>rd</sup>, 10<sup>th</sup>, 17<sup>th</sup>, 24<sup>th</sup> Nov. 7<sup>th</sup>, 14<sup>th</sup> Dec. 5<sup>th</sup>, 12<sup>th</sup>**

### **Robots on the Rampage (ROR) 1<sup>st</sup>-5<sup>th</sup> grade**

Join us on an adventure that requires creative thought, time management and team communication as groups build a diverse range of off-road vehicles that battle other robots, race against the clock and play tug of war! This class will discuss drive and follower gears and the various ranges of gear ratios. Can a fast vehicle out perform a robot with lots of power? Here is your chance to learn which gear ratios are associated with speed or torque. Chaos and Havoc rule the day in this ruckus of Robots on the Rampage.

**Day: Wednesday Time: 3:30-5:30**

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**Dates: Aug. 29<sup>th</sup> Sept. 5<sup>th</sup>, 12<sup>th</sup>, 19<sup>th</sup> Oct. 3<sup>rd</sup>, 10<sup>th</sup>**

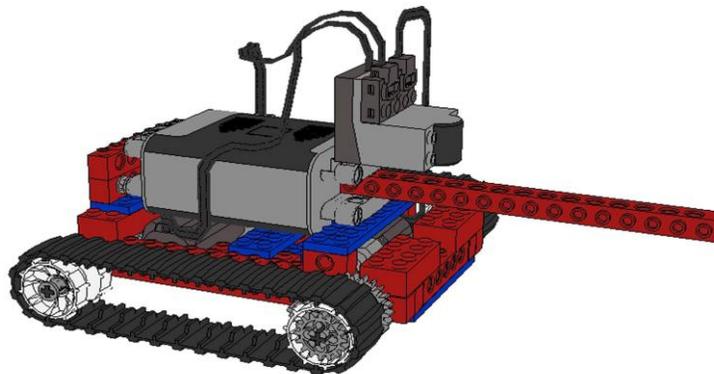
### **E-Motion (EMO) 1<sup>st</sup>-5<sup>th</sup> grade**

If a picture is worth 1,000 words, who needs step-by-step building instructions! A bank of all the pieces you need and pictures from multiple angles make the sky the limit in this class... the next level of Reverse Engineering. Challenge your mind and building skills with higher level robots, thinking and difficulty levels. Let's go forward in thinking by building in reverse.

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To register please visit [www.roboticsacademy.com](http://www.roboticsacademy.com)

**Registration will open Wednesday, August 22<sup>nd</sup>**

We look forward to having your children in our classes.  
**Inspiring Minds... One Robot at a Time!**