

# IMMACULATE CONCEPTION SCHOOL



# MAKERSPACE LAB

Designed for Hands-on Learning...

## Welcome to the ICS STREAM Makerspace Lab

As part of the ongoing mission to provide a rigorous curriculum for our students, Immaculate Conception School has created a state of the art makerspace lab for our primary grades. ***The ICS STREAM Makerspace Lab is equipped with educational activities and resources that have been created specifically for Pre-K, Kindergarten and 1st grade students.*** Utilizing a variety of hands-on materials, the ICS STREAM Makerspace Lab is a unique experience that encourages our youngest students to think outside the box.



The *ICS STREAM Makerspace Lab* offers a unique learning opportunity for each child. ***Students will explore and develop working toward a better understanding the STREAM components which are Science, Technology, Religion, Engineering, Art and Math.*** Ultimately, they are building a foundation that stimulates and supports thinking about concepts in all aspects of STREAM. The ICS STREAM Makerspace Lab is equipped with:

- ⇒ Four brand new Chromebox computers with large monitors offering an educational on-line media experience with programs such as ABCya, ABCmouse and Starfall, while developing eye-hand coordination.
- ⇒ Ozobots, which are color based programmable robots that allow the students to learn about the basic concepts of computer programming.
- ⇒ A Lego wall to promote an understanding of basic physics concepts such as gravity and balance.

With the supervision and support of teachers and staff, the multiple activities in the ICS STREAM Makerspace Lab will enhance the development of literacy, fine motor and critical thinking skills. The ICS STREAM Makerspace Lab is equipped with unit blocks for building, snap circuits for electrical engineering, and magna tiles for basic construction on a light table. From designing and building a Nativity scene on the Lego wall, to drawing and creating directly on the whiteboard surfaced tables, to the technology and engineering based activities, all aspects of STREAM are evident. The ICS STREAM Makerspace Lab encourages our students, teachers and staff to create, invent, and problem solve in the exciting, challenging and faith-centered environment that is the 21st Century.

