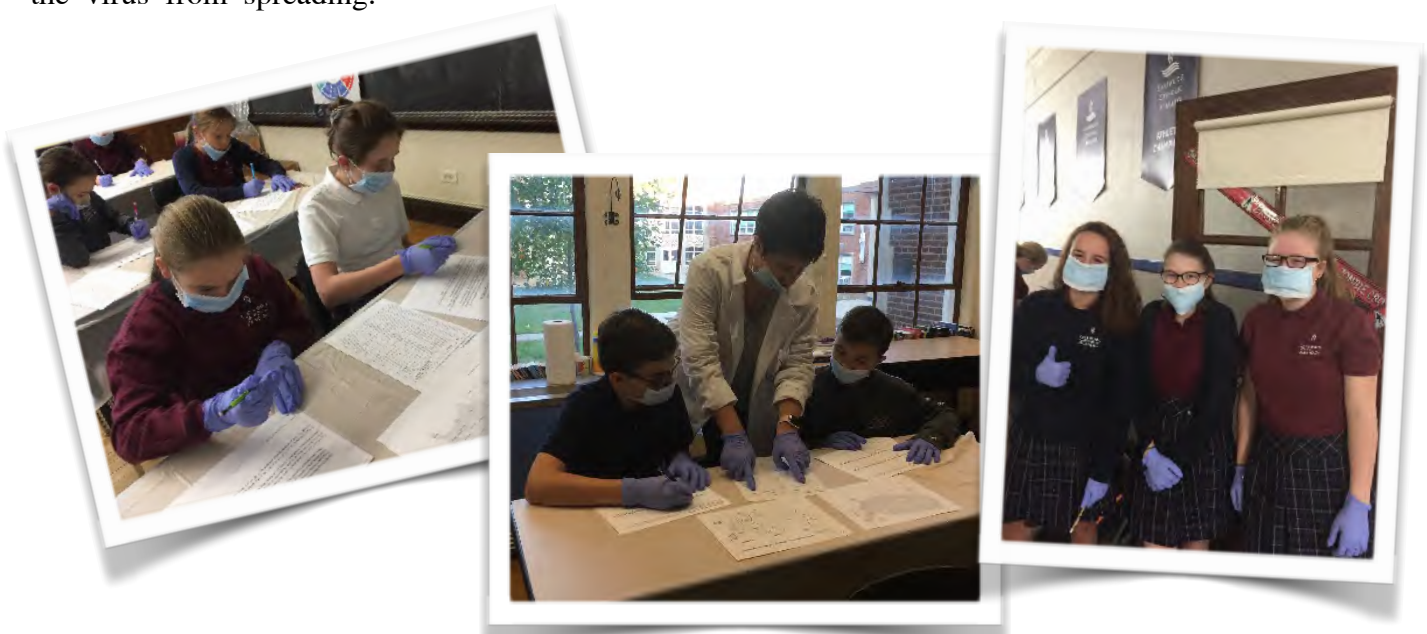


*Semester 1 2018 - 2019 School Year*

## ZOMBIES AT LCA?

Zombies!!! A rapidly spreading virus was detected that led to an outbreak of zombies. During a unit on data analysis, Mrs. Christyson's 7th and 8th grade math classes worked as research teams for the Center for Disease Control. They were challenged to discover where the zombie virus was coming from and why some people recovered while others become zombies. Students applied their statistical knowledge and used measures of central tendency to help them prevent the virus from spreading.



*From IB Coordinator Eileen McGuire*

*Curiosity is magical. Learning experiences that spark curiosity can also light a flame of interest about our global community, our individual and collaborative potential, and our future. As an IB school, LCA teachers challenge themselves to awaken curiosity, and in turn, students are challenged to inquire, design, create, and share. While students work on projects like the ones featured here, one can almost see the “brain sparks”. The flame is lit. The results are often beyond our expectations. As we continue to design magical moments that spark curiosity, let us keep in mind Albert Einstein’s self reflection: “I have no special talent. I am only passionately curious.”*

## ON PAR WITH PARTNERS . . .



Sixth grade students and teachers partnered to embark on an exciting educational journey this year. The journey began at a surprise location during the very first week of school. When the surprise was revealed, students found themselves at Sweeties Golfland! There they played 18 holes of mini golf, reflected on what makes a golf course fun and challenging, and brainstormed ways to design engaging features. Upon return, research began

in earnest. Each team was assigned a UNESCO World Heritage Site to research and, ultimately, to feature as part of a full size miniature golf hole. Months later, the 18-hole golf course was revealed to the public at Open House. Students served as hosts, sharing

their knowledge in a fun and engaging way.

This exciting project is the result of interdisciplinary learning in four IB Middle Years classes:

- Individuals and Societies (research and history)
- Mathematics (angles and prediction)
- Science (engineering and reflection laws)
- Visual Arts (materials engineering and design)



## ... A JOURNEY OF CREATIVITY AND GROWTH

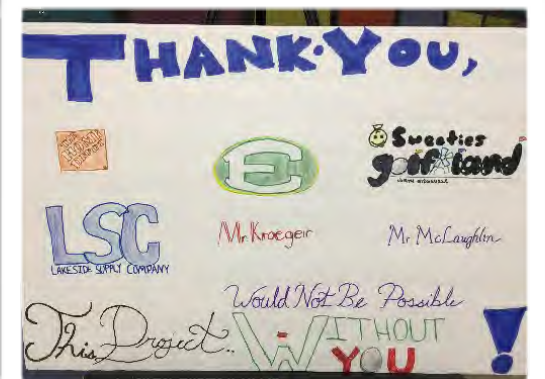
In December, our partners at Saint Edward High School generously invited us to use their incredible Lowe Innovation Center in order to complete some of the engineering work embedded in this project. Students and teachers spent two mornings planning, designing, building, and improving. SEHS and LCA faculty members served as consultants, pushing teams to reach beyond expectations.

Over the course of this project, student teams encountered several questions and challenges:

- *How do models help us to represent ideas in math, geography and science?*
- *What methods can be implemented to improve the durability of simple materials?*
- *How does the use of a protractor in a three dimensional project differ from its use on paper?*
- *What criteria are considered when determining a site's designation as a UNESCO World Heritage Site?*
- *Can a recreational activity also be informative to the public?*

This project would not have been possible without supply donations from Home Depot and Lakeside Supply Company. Due to their generosity and the durability of their materials, this golf course project will remain a tradition for 6th graders for years to come.

Congratulations to the 6th grade students for their collaboration, creativity, and perseverance. They truly hit a hole-in-one!



## SILENT PARTNERS

To begin Design class, 5th graders built paper towers and discussed the design process. In teams, they were given limited resources: one pencil, one pair of scissors, two feet of masking tape and six sheets of paper. Instructions were to build the highest tower they could in five minutes...without talking! When the timer sounded, they expressed their frustration with not being able to talk as well as how important good communication is. They also discussed the parts of the design cycle that were forcibly skipped: investigation/research and planning. They were then given five minutes with their group for structural research and to plan their strategy. After research and planning, they again attempted the challenge and witnessed how the towers grew higher!



## THIRD GRADERS TRAVEL AROUND THE WORLD

Throughout the month of December, our third grade saints traveled to nine different countries to become knowledgeable, global citizens. The scholars received passports and travel booklets, along with a travel suitcase. The United States was the first stop. While there, the boys and girls shared some of their own family traditions. Other stops around the world included England, Germany, Italy, Poland, Sweden, France, Mexico and Finland. At each stop, they learned each country's holiday traditions, how children receive gifts, which countries have Christmas symbols and what they are. One of their favorite activities was learning how to say "Merry Christmas" in each language.

Near the feast of the Epiphany, all third grade families were welcomed to campus to share in a cultural Christmas Around the World breakfast. During this event, the boys and girls share everything they learned while they were jet setting around the world.



## SUPPORTING CHILDREN'S WORK THROUGH PLAY

Tapping into children's excitement about Halloween, our kindergarten children decided to create a haunted house. As a group, the children decided that the haunted house should not be too scary and that it should include bats, skeletons, black cats and spiders! Using books, iPads, and the ActivBoard to conduct research, the children became experts on these topics. They created lists of facts that they learned about each and worked together to create models to show what they had learned.

To the children, the opportunity was about making a happy haunted house with their friends, but to educators there is a great deal of learning embedded in the experience that reflects the IB learner profiles: balanced, caring, communicator, inquirer, knowledgeable, open-minded, principled, reflective, risk taker, and thinker.

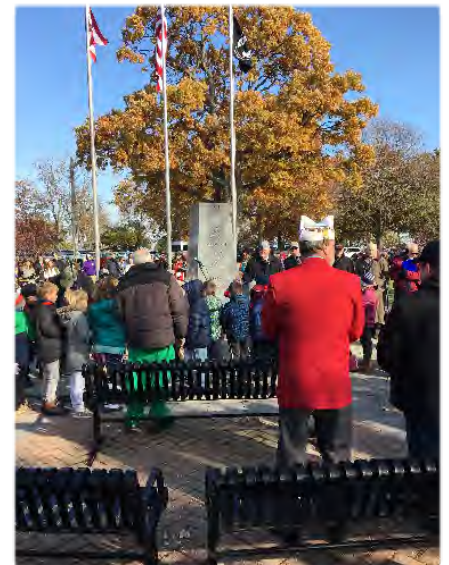


## SHOWING WE CARE

The first grade spent time reflecting on Veteran's Day and what it means. Students learned what a veteran is, why we honor veterans, and discussed ways to show our appreciation for their service.

As a way to honor local veterans, a group of first graders, along with their families and teachers, attended the Veteran's Day ceremony on Sunday, November 11, at Lakewood Park. At the beginning of the ceremony, the first graders were invited to say the Pledge of Allegiance. During the ceremony, students listened to prayers, poems and speeches about the sacrifices made by veterans. At the conclusion of the ceremony, each first grader presented a card of appreciation to a veteran in attendance.

The students were very excited to show care and appreciation to our local veterans. The veterans in attendance were greatly touched by the cards they received.



## GREAT LAKE SHAKE 2018



On Friday, November 9, 2018, Lakewood Catholic Academy hosted the second Annual Great Lake Shake Competition for our sixth grade saints. The event was an opportunity for students to use their manners and conversational skills with business professionals and Cleveland area leaders. Students were evaluated on their ability to give a proper handshake, use eye contact, and present themselves in a professional manner.

This competition is a wonderful catalyst to highlight and improve the IB Approaches to Learning skills of communication and social interaction. In preparation for the competition, students experience brief “coaching” sessions which address formal vs. informal introductions, table manners and etiquette, and nonverbal communication skills. Our Great Lake Shake Competition featured three preliminary rounds of competition:

- Breakfast with Educational Leaders in Cleveland
- Mix and Mingle with Business Professionals in an LCA designed Art Museum
- Speed Meet & Greet with Cleveland Area Leaders

At the conclusion of the three rounds of competition, judges’ scores identified the top six students as finalists: Maggie Barmann, Grace Birt, Nina Harris, Karlo Hepp, Kendall Leonard, and Anthony Reali. These six students then traveled to the WKYC Television Studio to put their TV anchor skills to the test with Maureen Kyle. Ms. Kyle chose our two champions, Kendall Leonard and Nina Harris. We celebrated these students at a school assembly at the end of the day!



The following day there was a wild card competition for both sixth and seventh grade students who wanted to continue to sharpen their interpersonal skills. Nearly 30 students

competed in 10 different challenges around the school and two students were declared champions: Sofia Salerno and Joey Scarpitti.

The following students will represent Lakewood Catholic Academy at the Amazing Shake Competition at the Ron Clark Academy in Atlanta, Georgia, at the end of February: Kendall Leonard, Sofia Salerno, Joey Scarpitti, and Cole Trainor. Many thanks to Hyland Software for helping to sponsor our LCA team.



## FUTURE DIPLOMATS

Thirty-one worldly saints from Lakewood Catholic Academy recently participated in the Henri Pellod, Jr., Junior Model United Nations Conference at John Carroll University sponsored by the Cleveland Council of World Affairs. Model UN is a unique, interactive program that brings world affairs alive for students. Through participation in Model UN simulations, students achieve global learning objectives. They are empowered to investigate the world, recognize different perspectives, communicate ideas to diverse audiences, and apply what they learn creatively during research, debate, and conference time. This was the largest conference on record for the CCWA with 395 students from 18 Northeast Ohio schools in participation. Special recognition goes out to Mary Gibson and Maren Jacobs who received an Honorable Mention award for their work in the International Atomic Energy Agency as they represented Belgium.



## UNDERSTANDING OTHER CULTURES

Members of the LCA French Club gained a better understanding of life in 16th century France during their visit to the Cleveland Museum of Art in January. The students visited a special exhibit of the recently restored Valois Tapestries which were woven in Brussels in the mid-1570s. These lavish tapestries depict the wealth and extravagance of the French court when Catherine de'Medici was queen mother of France. The students concluded their outing with lunch at

