

# SPARKING CURIOSITY



YOUTH SCIENCE CAMPS IN SOUTHERN  
SASKATCHEWAN

[eyes.uregina.ca](http://eyes.uregina.ca)



EDUCATING YOUTH IN  
ENGINEERING & SCIENCE

EYES 2017



## VISION

To provide the children and youth of Saskatchewan the opportunity to experience all aspects of science, technology, engineering and mathematics (STEM) in a hands on, interactive environment.

## MISSION

Educating Youth in Engineering and Science (EYES) University of Regina is a non-profit organization dedicated to promoting STEM subjects to youth throughout Saskatchewan. Through hands on science experiments, activities and experiments, students are encouraged to follow their curiosities and ask questions in a safe environment. EYES strives to include all children, regardless of culture, socio-economic status, needs, gender, ethnicity, and others who are traditionally underrepresented in the sciences. EYES provides valuable work experience for its staff and volunteers, enriching the community at the University of Regina.

## STAFF

EYES staff consists of 20 full time summer employees who are also post secondary students. They bring experience from a range of STEM backgrounds. Some staff work parttime with EYES throughout the school year to provide additional program that exceeds past the summer months. An overseeing board of advisors, an academic supervisor and a full time Program Coordinator work to ensure the program continues to grow and prosper.

## NATIONAL NETWORK

Actua provides training, resources and support to its national network members located at universities and colleges across Canada in the delivery of science, technology, engineering and mathematics (STEM) education outreach programming. Each year these members engage over 225,000 youth in 500 communities nationwide.

Please visit Actua at: [www.actua.ca](http://www.actua.ca)

A network  
member of  
[actua.ca](http://actua.ca)

**actüa**<sup>TM</sup>  
Youth • STEM • Innovation



With our small humble team of 20 undergrads (and one Program Coordinator), we were able to reach more than 18,600 youth all over southern Saskatchewan in 2017! We accomplished a full year with a new coordinator, piloting a EDesign Saturday Club, and achieving 101% capacity in our summer camps. We were able to reach a record number of communities through our workshop program and started a new satellite camp program in Yorkton. This year cannot be described as anything other than a complete success.

This year more than \$10,000 was gifted to youth all over southern Saskatchewan who otherwise would be unable to attend the EYES program, and we would be unable to offer these bursaries without our sponsors.

## 2018

2018 is poised to be our biggest year yet! We are working to offer more technology related workshops, and there is an obvious need for it in the community. EYES is partnering with Regina Catholic School District, Regina Public School District, and Prairie Valley School District to offer professional development opportunities for teachers who are interested in learning more about bringing technology into the classroom. We are also hoping to start a Birthday Party program in hopes to bring in more revenue for innovation upgrades, as well as keeping staff year round.

In the upcoming years, we hope to strengthen our partnership with other faculties within the University of Regina, with hopes to further increase the quality of the program by providing students with real lab experience, and give them a better idea of what the university has to offer. With these exciting new prospects on the horizon, we are looking forward to continuing to work with Regina and surrounding communities to build a better STEM!

Megan Moore  
Program Coordinator  
EYES, Faculty of Engineering and Applied Sciences  
University of Regina

**2017 was another year of  
empowerment and creativity at EYES.  
We would like to thank everyone whose  
thoughtfulness, time, and generosity  
made our work possible.**



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## WHAT WE DO

### IN SCHOOL WORKSHOPS

This year we reached 3950 more youth than we did in 2017. These grade specific workshops are aligned with the Saskatchewan Learning Curriculum, and integrates engineering and technology wherever possible. We continues to offer all french workshops in Francophone schools. This year, we offered two bonus workshops that where not aligned with the curriculum, but allowed students to interact with robots and/or coding. This year, we were able to engage 15,945 students 46.7% female and 7.21% FNMI. Our goals for 2018 is to reach at least 50% females, and 10% FNMI. We will continue to offer FNMI and partnered summer camp workshops for free.

Grade 1 & 2: Snow Storm in a Jar and/or Ozobots

Grade 3 & 4: Star Wars Lights and Lasers and/or

Marble Roller Coasters and/or Ozobots

Grade 5 & 6: Hand Generator and/or

Hover-Board Rescue and/or Coding

Grade 7 & 8: Iodine Clock & Rockets and/or Coding



### SATURDAY CLUBS

Our saturday afternoon clubs allow us to reach youth year round, and provides opportunity to explore STEM in a positive, and creative environment outside of school. This year, we expanded our clubs into both the fall and winter, offering 8 weeks of STEM programming for youth in grades 2-9. This year, we also lauched out first EDesign codemakers club for grade 6-9 students, focusing on engineering and technology. Club youth have written code, observed chemistry, and build colossal bridges.

*"THE INSTRUCTORS, WERE AWESOME, THEY WERE WHAT MADE THIS EXPERIENCE WHAT IT WAS, AND TEACHING ME STUFF, LIKE PHYSICS PHOTOGRAPHY AND CODING, ITS A GREAT EXPERIENCE."*

*- EYES 4-6*



*"I'M GOING TO BE A SOFTWARE ENGINEER WHEN I GROW UP.  
THIS CAMP HELPED ME LEARN ABOUT COMPUTERS AND WHAT I CAN DO WITH THEM.  
BOTH OF MY BEST FRIENDS CAME HERE SO I HAD A LOT OF FUN HERE.  
I'M GOING TO COME HERE AGAIN."  
- EDESIGN 4-6*

## SUMMER CAMPS

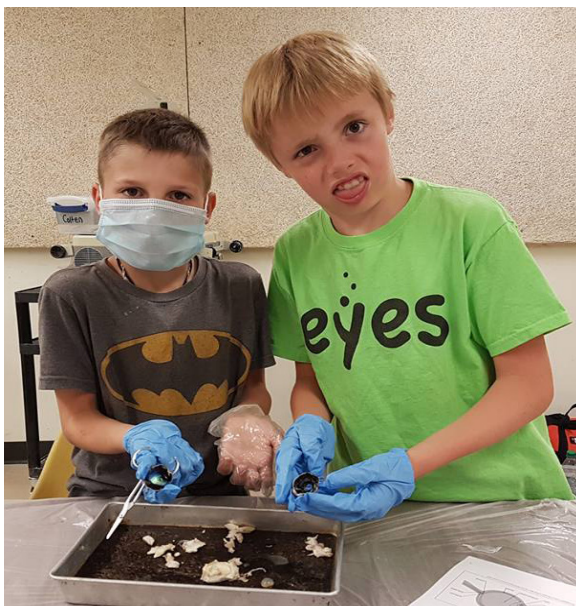
Summer camp is the core of EYES. Current we offer 7 weeks of weeklong programming; 5 programs each week at the University of Regina, not including out satellite or outreach programming. Our program includes:

- EYES Junior (2&3)
- EYES (4-9)
- EDesign (4-6)
- EDesign Senior (7-9)
- All Girls (2-9)

*"MY FAVOURITE DAY WAS THE HEALTH SCIENCE DAY  
BECAUSE OF DISSECTION AND FIXING BONES"  
- ALL GIRLS 4-9*

Sattelite programs work through a partnered school in a community adjacent to Regina. where traveling to the University of Regina each day is not possible for family. Students in grade 2-9 are welcome to join us while we launch egg-straunts into space, pH test household goods with red cabbage, and work with Ozobots!

Our outreach camps target innercity and FNMI youth through out the city, where we offer camp for free in a facility that the campers are comfortable with. This year we reached 982 campers at the University of Regina, 198 campers at sattelite locations, and 150 youth through the outreach program. In total, we saw a demographic of 30.6% female campers and 3% FNMI youth. Our goal for next summer is to see a 40% female and 7% FNMI enrolment.



*"I LIKE EYES AND HOPE TO DO IT UNTIL I CAN'T  
AND HOPE TO BECOME A ENGINEER WHEN I GROW UP  
I LOVE EYES AND HOPE TO COME AGAIN."  
- EDESIGN 4-6*

*"I ALWAYS HAVE A REALLY GOOD TIME AT EYES.  
THANKS FOR ALWAYS MAKING IT FUN FOR EVERYONE.  
I HOPE ONE DAY I'LL BE ABLE  
TO BE AN INSTRUCTOR OR A JC!"  
- EYES 7-9*



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## WHERE WE GO

### SASKATCHEWAN

EYES traveled as north as Foam Lake Saskatchewan and all the way to south to Estevan to deliver satellite camps! This year, we were able to reach 198 campers across 8 communities. 69 communities outside of Regina booked workshops, allowing us to provide 533 workshops, impacting 9844 students!



### REGINA

EYES worked with 33 schools throughout the city of Regina, provided 280 workshops to a total of 6101 students!

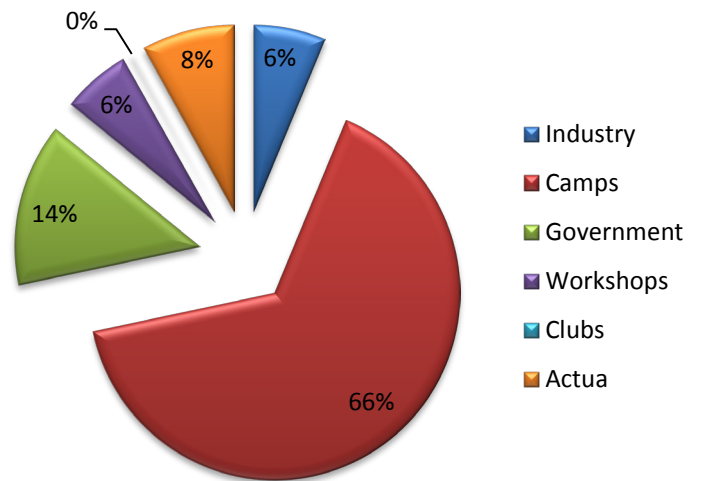


## FINANCIALS

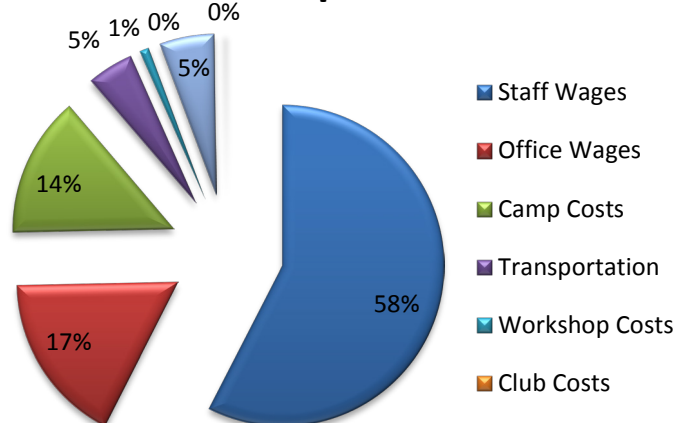
This year, EYES saw its biggest fundraising year to date. Even in an economy where many provincial industries are tightening their belts, it was inspiring to see how much support EYES truly has in the community.



## Revenue



## Expenses





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## THANK YOU

This year more than \$10,000 was gifted to youth all over southern Saskatchewan who otherwise would be unable to attend the EYES program, and we would be unable to offer these bursaries without our sponsors.

We were able to offer 5 completely subsidized programs for at risk youth that would be unable to attend our program otherwise, reaching an additional 150 campers. More than \$58,000 is needed to provide lunch, trained staff, salaries, and to subsidize the total cost of enrolment.

Without the generous support of our sponsors, we would be unable to reach the number of students that we do. From the bottom of our hearts, thank you!



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LOCKHEED MARTIN

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2017 Arctic Western Canada Major Fit

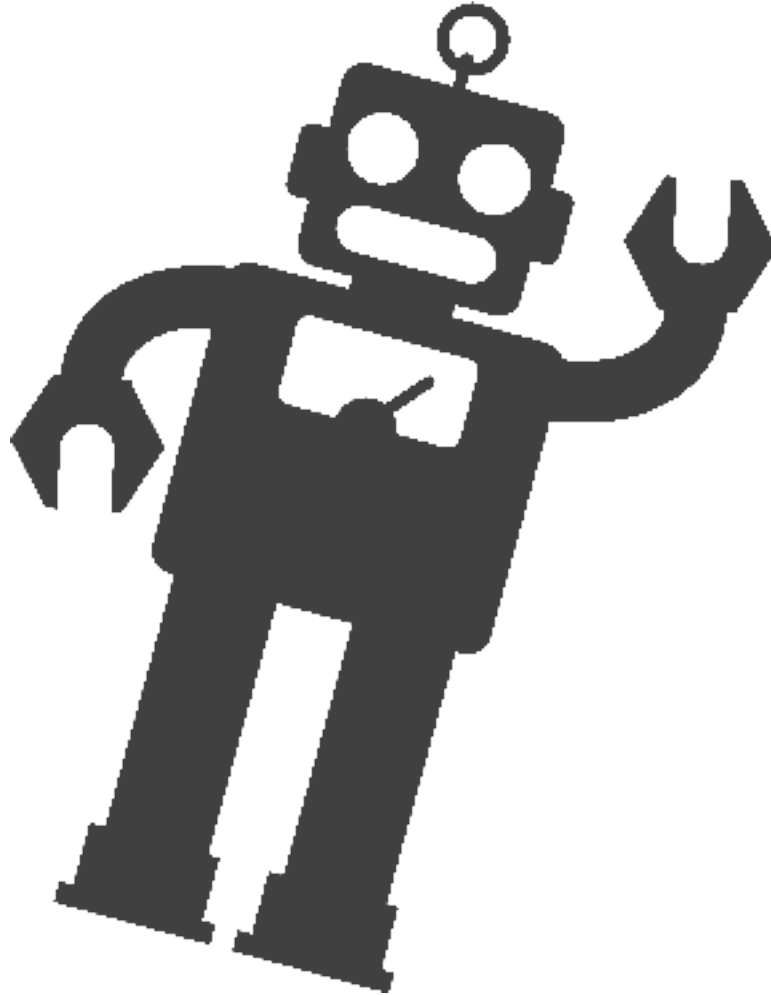


2017 Arctic Western Canada Major Fit



RICHARDSON  
FOUNDATION

# SEE YOU NEXT YEAR!



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