

SPARKING CURIOSITY



YOUTH SCIENCE CAMPS IN SOUTHERN
SASKATCHEWAN

eyes.uregina.ca



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 22 full time summer employees who are also post secondary students. They bring experience from a range of STEM backgrounds. Some staff work part-time 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 nation wide.

Please visit Actua at: www.actua.ca

This year, EYES is happy to share that Actua was a recipient of the Federal CanCode grant. As a result, all workshops for 2019 will be FREE, and are designed to connect digital literacy, technology, and the Saskatchewan science curriculum!

Grade 1 & 2

Avoid that Obstacle! You have 5 senses, and your brains know how to react! Using Edison Bots, we will discover how the human senses work, and watch them in action!

Diving Deep! Using Google Expeditions Virtual Reality, students will explore the deep waters of the Caribbean. In this expedition, we will dive into learning about the different habitats that live under water. How does this type of habitat meet the needs of different animals! Let's find out!

Grade 3 & 4

Fitbit, Fitbit! Ever wonder just how many steps you are taking in a day? Using Micro:bits, we will learn to block code our small computers to create a pedometer. Find out now if you are the person with the most amount of steps! (*Requires computers 1/2-3 students)

Gummy Tunes: Ever heard of a musical band using gummy worms as their instruments? Using a conductive controller (designed by you) and gummy worms, you will create working musical instruments and discover how we can make sound in our environment! (*Requires computers 1/2-3 students)

Grade 5 & 6

Who's Driving that Car? Whoa, have you heard? littleBits have the capacity to drive on their own, all they need is the minds of engineers! Learn about circuits, gears and motion with these self-driving cars!

Squishy Rockets! HELP! NASA just called, and they need our assistance with sending a rocketship into space! Our mission is to create a circuit using playdough to generate enough energy to give power to our rocket! Are you up for the challenge?

Grade 7 & 8 & 9

Sun, moon, earth, oh my! There are two types of eclipses, lunar and solar. Using Ozobots and colour coding, we will be orbiting our knowledge around to find out how and why eclipses occur!

Cellular Exploration! The whole world is composed of cells. Did you know that everything alive has them! Using Google Expedition Virtual Reality, we will dive into the different cells, and discover what makes us all the same, and what make us all unique!

BONUS

Hello, Plants! This activity will take you around the block, literally. We will explore the outdoors, by learning about the plants in our environment. With our collection, we will be making plant chromatography! Sounds cool hey?

Snow...Shoes? Is there such thing as snow in Spring? If there is, we want to be prepared! We will be putting on our engineering hats to build our very own pair of snow shoes!

	Avoid that Obstacle	Diving Deep	Fitbit, Fitbit	Gummy Tunes
GRADE 1 & 2	SE1.1 SE1.2 MP2.2	LT1.2 AN2.1		
GRADE 3 & 4		PL3.2	SM3.1 N4.1 N4.2	ME3.1 SM3.1 SO4.1 SO4.2



	Squishy Rocket	Who's Driving that Car?	Sun, Moon, Earth, Oh My!	Cellular Exploration
GRADE 5 & 6	MC5.1 EL6.2 EL6.3	FM5.1 FM5.2 EL6.2 EL6.3	SS6.1 SS6.2	DL6.1
GRADE 7 & 8 & 9			FD8.2 OP8.3 EU9.4	CS8.1 RE9.1

Digital Registration:

We have changed our registration to better suit the needs of you and our program! To register for workshops, please click [here](#) and follow the prompted instructions. Please read through the survey as there is a lot of information, which may answer all your burning questions!

Paper Registration:

If you do not have access to our digital registration form, please email us and we will send you our paper registration form.

Email: eyes@uregina.ca

Fast Facts

Workshops may be scheduled between May 14th - June 14th. Please note that we are no longer available on Mondays, and workshops must be scheduled Tuesday-Fridays.

We are able to send up to 5 teams of two to accommodate your workshops! If you need more than 5 teams, please call the office to complete your registration.

The times indicated on the schedule are a guide. Please do not be afraid to alter the start times to match your school schedule! Please just be aware that workshops are only 45 minutes in length, regardless of the proposed start time.

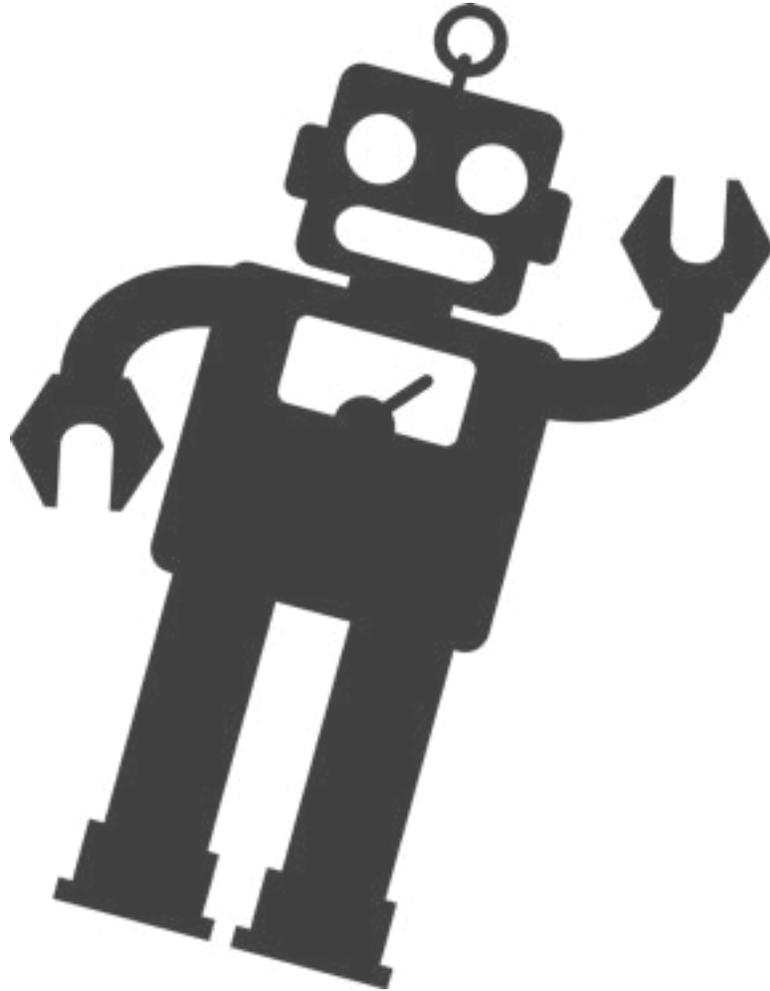
We work to ensure that our EYES Team does not have to leave Regina before 7am. If you are more than 2 hours away from Regina, please schedule us accordingly.

This year, as a result of the CanCode federal initiative, all workshops are FREE.

Workshops are scheduled on a first come first serve basis. We cannot guarantee the availability of dates, teams, or activities. You will be contacted shortly after we receive your registration form to confirm you activities and dates.



THANK YOU FOR BOOKING!



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EDUCATING YOUTH IN
ENGINEERING & SCIENCE