

Waiver of Release

- I waive any & all liability on the part of Barrhead Public Library, its employees or the instructors and understand that my child's attendance of this camp is done entirely at my own risk
 - I give consent for my work to be publicly exhibited and photographed
 - I give consent for photos of my child taken during this event for use in future displays or promotions
 - I confirm that my child does not have any known allergies or medical conditions that have not been disclosed on this form
- Name of Child: _____

Allergies or Medical Conditions:

Name(s) of Parent/Guardian(s):

Signature: _____

Date: _____

Barrhead Public Library
5103-53 Avenue
Barrhead, AB T7N 0A8



To Register: Return the registration form (Make sure to complete both sides) and the \$90 supply fee to the library in-person. View below for our operating hours.



MON-TUE-WED-FRI
10:00AM-5:30PM
THUR
10:00AM-8:00PM
SAT
12:00PM-4:00PM
SUN
CLOSED

Questions? Suggestions?

Contact the Library Staff!

Phone: (780)-674-8519

Email: library@barrheadpubliclibrary.ca

*Note. Due to planned renovations in the library this summer, dates may change. In that event you will be contacted and may ask for a refund if needed.

Barrhead Public Library Presents

LEGO STEM

2023

→ ADVANCED SUMMER
LEGO CAMP FOR YOUTH

AUGUST 8TH-10TH
(TUESDAY-THURSDAY)

Get in-depth with mechatronics and LEGO. Basic principles of engineering to create robotics for specific tasks.

Space is limited, sign up now!



@barrheadpubliclibrary



Barrhead Public Library

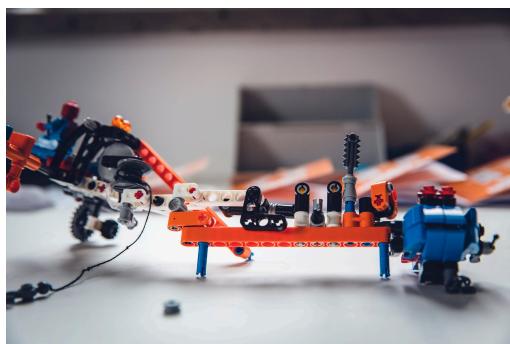
barrheadpubliclibrary.ca



About Lego Robotics

Learn to build robots with the Ev3 and NXT Education kits. Take advantage of electronic sensors compatible with LEGO like; Ultrasonic - Touch - Gyro - Color Camera - Touch
All able to be uniquely programmed with kid friend programming tools.

Recommended for ages 10-15



10 Awesome Facts About LEGO

- 1) The plural of LEGO is LEGO
- 2) LEGO comes from the Danish words "Leg Godt" which means "play well"
- 3) In 2023 there are 400 BILLION LEGO pieces
- 4) You can combine six 2x4 bricks in 915 million unique combinations
- 5) The first Lego Mini Figure was a policeman
- 6) The largest Lego Model ever built contained 5.3 Million Blocks
- 7) The tallest LEGO tower ever was 115 Feet
- 8) LEGO sells more tires than any other tire company
- 9) 36 000 LEGO Blocks are molded every minute (or all the LEGO in the library is molded every two minutes!)
- 10) LEGO means "I combine" in Latin

Instructors & Resources

Join "Mr.LEGO" Kyle Hughes *and maybe special guests* as kids learn about many techniques for building effective robots (The key is planning!).

Attendee's will tackle principles of building & engineering through LEGO! Problem solve improvements on a self driving car to win a race and show your creation is ready for any challenge.

Building isn't just limited to LEGO bricks through! You will have to learn how to build a program, taking advantage of various robotic accessories with software.

The camp runs from 10am to 3pm Tues-Thurs and is jam packed with demonstrations and play . Each day will cover new challenges, but you'll be encouraged to work on a single robot, ever improving, all week.

We take an hour lunch break in between classes (12-1PM). Students are expected to bring a bagged lunch (fridge/microwave available).

The workshop space is available after 3pm for students who want to put extra time in.



2023 Registration Form

Space is limited! Please complete both sides and return early to avoid disappointment!

AUGUST 8TH-10TH (Tuesday-Thursday)

First & Last Name of Student:

Age:_____ Boy | Girl (circle)

T-Shirt Size (Adult): XS S M L XL

Name(s) of Parent/Guardian(s):

Mailing Address:_____

Postal Code: _____

Phone (H):_____

Emergency Day-time Contact (if not above):

Materials Fee: \$90

Cash, cheque, debit or e-transfer now available! Please make cheques out to "Barrhead Public Library".

NOTE: Bring a bagged lunch (fridge & microwave are available) and leave valuables at home as we do not have lockers for bags and coats.