FONDATION L.M.S.

PRESENTS

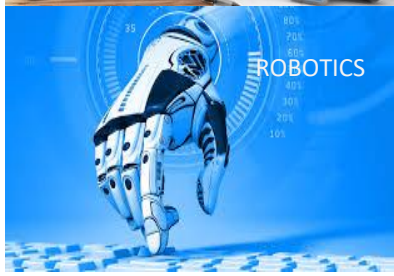
E.R.C CAMP

ENGINEERING ROBOTICS CODING

Artificial intelligence 3D Design STEM Workbook

July 20th - July 31st, 2026

WWW.FONDATIONLMS.ORG



More than just a summer camp, a brilliant choice for the future!

1. Impactful Experiences

A sample of the wonderful educational and fun experience of the participants is reported below:

" I really enjoyed ERC Camp. My favorite part was the programming because I always wondered how technological objects work, and by programming them, I understood. Thank you." - Leeam Darilus, 10 years old

“ Later, I see myself working in civil engineering, and this camp allowed me to experience a little bit of what I would like to do in the future. Thank you to the director and the two camp leaders.” – Milan Estimable, 12 years old

"Robotics helped me develop my confidence as a student and leader." Christopher Kudo, alumnus, & Mechanical Engineer

2. Educational framework

The LMS Foundation is organizing a unique, bilingual STEM Camp in Canada that introduces young people to engineering, 3D modeling, robotics, coding, and artificial intelligence. This camp will take place at the Centre Lassallien in the secure and technological space (Think Big) from July 20 to July 31, 2026. All students aged 9 to 15 are welcome.

In addition to developing the cognitive and transversal skills outlined in the Ministry of Education's Science, Technology, Engineering, and Mathematics curriculum, participants will have the opportunity to:

1) Optimize their creativity by building and coding a robot

2) Learn about Artificial Intelligence and its application to robots

3) Learn about the profession of a visiting engineer or scientist

4) Receive a **STEM learning workbook** applied to robotics and AI

5) Receive a **certificate** (attestation of skills) after completing the advanced level.

This camp is a unique opportunity for parents to transform their children’s vacations into a fun and educational adventure while preparing them to succeed in an innovative society that will be greatly influenced by artificial intelligence and robotics.

3. ERC Camp Schedule (July 20-31, 2026)

Days	Hours	At the Lasallian center	At home
Mondays – Thursdays	10 am – 3 pm	Learning and practical activities	
Fridays	11 am – 12 pm		Additional computer activities

NOTES

1. The technology space is accessible from 9:30 am and the doors close at 3:30 pm.
2. A 45-minute lunch break per day is included for the in-person schedule.
3. There are 4 days of in-person instruction per week. Studies in occupational psychology, neuroscience, and educational sciences have shown that in a 4-day week:

i) Productivity increases
ii) Mental fatigue is reduced
iii) Attention in class is improved
iv) Motivation increases.

Sources:

Juliet Schor . The 4-day work week model and its benefits. Journal of Psychology. (2025)
Daniel Kahneman; Cognitive Effort . (2011)

4. Learning Levels

REGULAR

Level: Regular	Description
1st year	**Knowledge acquisition** • Participants discover the basics of 3D modeling, car and robot building, coding, and AI-assisted website creation • All learning is guided by instructors. • No experience required.
2nd year	**Knowledge Mastery** • Participants develop knowledge mastery by completing independent projects in 3D modeling, car and robot construction, coding, and AI-assisted website creation • Activities are conducted only under the supervision of instructors. • Required experience: 1 year

5. Learning Levels

ADVANCE

Level: Advanced	Description
1st year	**Knowledge acquisition** • Participants work on **advanced** 3D modeling , **complex** cars and robots , **advanced** coding , the creation of **complex** websites assisted by artificial intelligence. • Learning is guided by instructors. • Required experience: 2 years
2nd year	**Mastery of knowledge** • Participants develop mastery of knowledge by carrying out autonomous projects in **advanced** 3D modeling , the construction of complex cars and robots **(Vex) , advanced** coding , and the creation of **complex** websites assisted by artificial intelligence. • Activities are conducted only under the supervision of instructors. • Required experience: 3 years • Certificate: Participants who complete the advanced level receive an LMS Foundation STEM certification

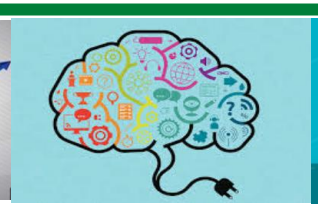
6. Detailed Curriculum

The topics below will be presented at ERC Camp in a fun and educational setting. The associated cognitive and cross-curricular ministerial skills will be developed through interactive engineering, robotics, and coding activities.

1. Engineering	2. Engineering Activities	3. Introduction to Artificial Intelligence
• Various engineering professions • Computer-aided 3D design • 3D modeling of a car/rocket/airplane/various objects	• Construction and assembly techniques • Construction and assembly of various objects.	• History of AI development • AI applied to robots • AI applied to electric cars • AI applied at the school level • Ethics of AI use

4. Activities using AI	5. Introduction to Robotics	6. Introduction to Coding	7. Introduction
• Building a simple or advanced website with AI	• The physics of robots (force, center of mass, speed, electricity, etc.) • Construction of simple and complex robots	• Simple and advanced coding • Programming of simple and complex robots (Vex)	• Presentation by a guest engineer or scientist








7. Camp Value

We thank our sponsors and partners who support this unique camp in Canada. Their contribution allows us to offer a memorable experience at an affordable price, fostering the emergence of the next generation of leaders from all backgrounds.

MATERIALS	VALUE
Engineering equipment	$100
Laptop rental + pre-installed software	$125
Renting a robot	$120
STEM Learning Workbook	$50
Supervision & guided learning (Engineering, robotics, coding, 3D design, AI)	$325
Souvenir T-shirt	$30
TOTAL	**$750**

Subsidized price : $170

8. ERC Camp Prize, 2026 edition

The price is detailed according to the different options chosen. Please note that the number of places is limited by equipment availability; therefore, it is recommended to complete registration in advance on Eventbrite.

PRICES	Option 1	Option 2	Option 3
Registration and access to all equipment	✓	✓	✓
STEM Notebook	✓		
Souvenir T-shirt	✓	✓	
PRICE	$170 Payment	$120 Payment	$90 Payment

Note : A family choosing option 1 for 2 children receives a special price of $300

9. STEM notebook & souvenir T-shirt

Registration for ERC Camp includes North America's first STEM workbook on robotics and artificial intelligence for youth. It also includes a souvenir T-shirt available in various sizes.

STEM workbook

Souvenir T-shirt

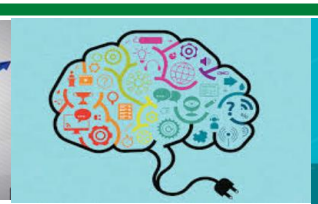
Order your T-shirt [HERE]

10. Spaces

The ERC Camp takes place in the technology space of the Lasallian Centre Think Big (3001 Louvain Street East, Montreal (Qc); H1Z 1J7). A dining area is also available for students, as well as several restaurants in the immediate vicinity.

Technology space

Dining area



11. Contact us

Our team will be happy to answer any further questions through various channels:

1. Phone: 438.788.3485

2. Chat: www.fondationlms.org

3. Email: services@fondationlms.org

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