TIC TAC LAB

2023

WINTER - SPRING

PROGRAM

SUMMARY

2 Practical informations

4 Schedule

5 Techmix 1

6 Techmix 2

7 First Lego League Senior

8 Coding & Electronics

9 Carnival Workshop: A Fabulous Meal Food & Digital Craft

@ 2023 Tic Tac Lab

PRACTICAL INFORMATIONS

DATES

The new winter-spring session will begin on January 16 and end on June 11, 2023. We will take a break during the Carnival & Spring holidays. Please see the exact dates in the description of each workshop.

LEVEL

The age and level indications are recommendations. If your child is not of the recommended age/level, please contact us at info@tictaclab.org . We will evaluate together which group is the most suitable.

Tech is not a chromosome thing! Everyone can enjoy it, regardless of gender, background or favorite food! By the way, in this brochure, the use of the masculine gender to designate people has no other purpose than to lighten the text.

PAYMENT

We use the Eventbrite platform to manage payments. This allows you to pay for the workshops via Bancontact or credit card. If the payment does not go through Eventbrite, contact us (info@tictaclab.org) and we will give you instructions for a bank transfer.

If the price of the workshops is an obstacle to your children's participation, contact us! We will find a solution.

REFUNDS

After the first workshop of the session, we do not refund the registration fee.
If we have to cancel a session (COVID or other), it will be rescheduled or refunded.

PRACTICAL INFORMATIONS

LOCATION

Our in-person workshops are held at the Extension. The entrance is at 11 rue Américaine, 1060 Saint-Gilles. Streetcars 92 and 97 are a short walk away. There is an inner courtyard where you can park your bike or drop off your children by car (no parking available).

During weekend workshops, parents can wait for their children in the Extension's co-working space. Be sure to stop by the corner for Forcado's delicious Pastéis de nata.

Unless otherwise specified, participants do not need to bring anything except a water bottle that can be filled with water on site.

REGISTRATION

Registrations can be made on directly on the Eventbrite platform

@ 2023 Tic Tac Lab

SCHEDULE

SATURDAY	SUNDAY
9:30-10:40 **TECH MIX 1** 6-8 years old EN-FR	9:30-10:40 **TECH MIX 1** 6-8 years old EN-FR
11:00-12:30 **TECH MIX 2** 9-12 years old EN-FR	
	13:30-15:30 **FIRST LEGO LEAGUE SENIOR** 13-16 years old EN-FR
	16:00-18:00 **CODING & ELECTRONICS** 14+ years old and adults EN-FR

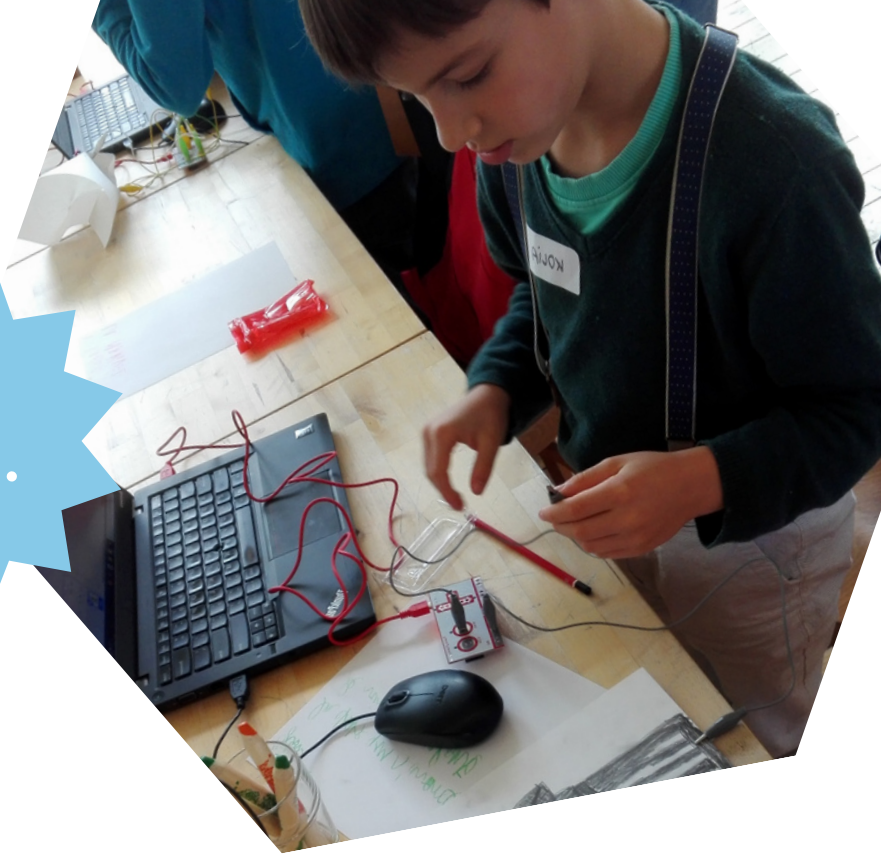
@ 2023 Tic Tac Lab

TECH MIX 1

SATURDAYS or SUNDAYS

9:30 > 10:40

6-8 Y.O.



€ 235

Workshops to learn about the world of technology and algorithmic thinking in a fun and intuitive way.

We offer a variety of activities: program robots, create animations on tablets and enjoy unplugged challenges. Participants could create the highest tower possible with Lego bricks, a disco club with dancing robots, an animation that says hello in 3 languages… sky's the limit!

Our goal? Stimulate the creativity and logical thinking of children while having fun.

Content programming with Scratch, robotics with Cubetto and Robo Wunderkind, electrical circuits with Makey Makey, Lego construction, vinyl cutting

Prerequisites none, no need to be able to read to participate in this workshop

Dates

-Saturdays from January 21 to June 10, 2023.
No workshops on the following dates : 18/02, 25/02, 4/03, 29/04, 6/05 et 13/05 (carnival & spring holidays)
-Sundays from January 22 to June 11, 2023.
No workshops on the following dates : 19/02, 26/02, 5/03, 30/04, 7/05 et 14/05 (carnival & spring holidays)

Registration - Saturdays **Registration - Sundays**

@ 2023 Tic Tac Lab

9-12 Y.O.

TECH MIX 2

SATURDAYS

11:00 > 12:30

€ 295

Workshops to learn about the world of technology and algorithmic thinking in a fun and intuitive way.

In Tech Mix 2, we use more complex coding concepts - reference points on an orthonormal plane (yes, geometry is useful for programmers!), variables and clones - to code popular games on Scratch such as "Snake" or "Dyno".

In robotics, we use Lego robots. They offer infinite possibilities, from construction to programming. We'll have fun building and programming a little rover that can drive on Mars, of course! And why not create a candy launcher?

Content programming with Scratch, robotics with Lego Mindstorm, electrical circuits with Makey Makey, maker tools (3D printing, laser cutter, vinyl cutter, etc.)

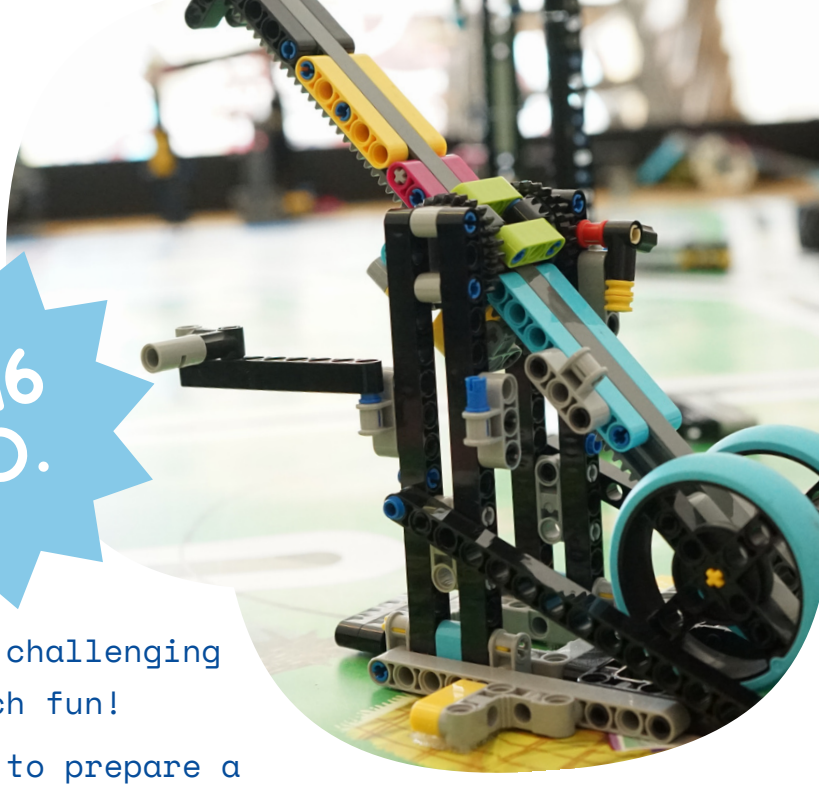
Prerequisites none

Dates Saturdays from January 21 to June 10, 2023.
No workshops on the following dates : 18/02, 25/02, 4/03, 29/04, 6/05 et 13/05 (carnival & spring holidays)

Registration

@ 2023 Tic Tac Lab

FIRST LEGO LEAGUE SENIOR



13-16 Y.O.

SUNDAYS

11:00 > 12:30

FULL

The First Lego League (FLL) is a challenging robotics competition. It's so much fun!

Teams from all over Belgium have to prepare a research topic and program a robot.
For the research topic, teams choose a problem around the theme of the season (Superpowered) and find their own solutions. Everything is done to impress the jury members: a well-crafted presentation, a prototype made with our maker tools, costumes, interviews with experts in the field…
For the robot game, teams build and program a robot that will have to complete a series of tests in a (very) limited time. To control our robot to the millimeter, we will have to use sensors. Not an easy task!

This year, the competition will take place on March 4th 2023 in Ciney. If our team finishes in the top three, we will move to the national final in Limburg with our Dutch speaking friends. Laten we het doen!

Content robotics with Lego Spike, Python programming, science project, prototyping with makers tools (3D printer, laser cutter, vinyl cutter, heat press, etc.)

Prerequisites none, except for a great deal of motivation!!

Dates Sundays from September 11, 2022 to February 26, 2023. Additional preparation session on Friday, March 3, 2023 at 5pm. The competition will take place on Saturday March 4, 2023 in Ciney, Belgium.

@ 2023 Tic Tac Lab

CODING & ELECTRONICS

SUNDAYS
4 > 6pm

€ 390

14+ Y.O.
ADULTS WELCOME!

Every Sunday, take advantage of two great hours to relax... sorry, to rack your brains by building an electronic circuit, adjusting your sensors and coding in Python.

Participants are invited to build their own projects or get inspired by our crazy ideas.

Content coding with Python or C++, electronics with Microbits and Arduino, 2D and 3D design

Prerequisites none, participants chose projects that suit their level

Dates Sundays from January 22 to June 11, 2023, 4-6pm.
No workshops on the following dates : 19/02, 26/02, 5/03, 30/04, 7/05 et 14/05 (carnival & spring holidays)

Registration

@ 2023 Tic Tac Lab

FABULOUS MEAL

STAGE
Food & Digital Crafts

Carnival
from February 20 to February 24

290 € including all materials and one delicious snack per day

Food & Digital Crafts : an odd mix ?
Not as much as you'd think !

During this stage, mornings will be dedicated to learn how to use digital techniques (3D printing, laser or vinyl cutting, thermoforming, etc.) and afternoons will focus on cooking skills.

We will combine science and culinary experiments to create extraordinary and fun things such as a personalised apron, chocolate molds, vegetable toys, lasercutted coasters, etc.

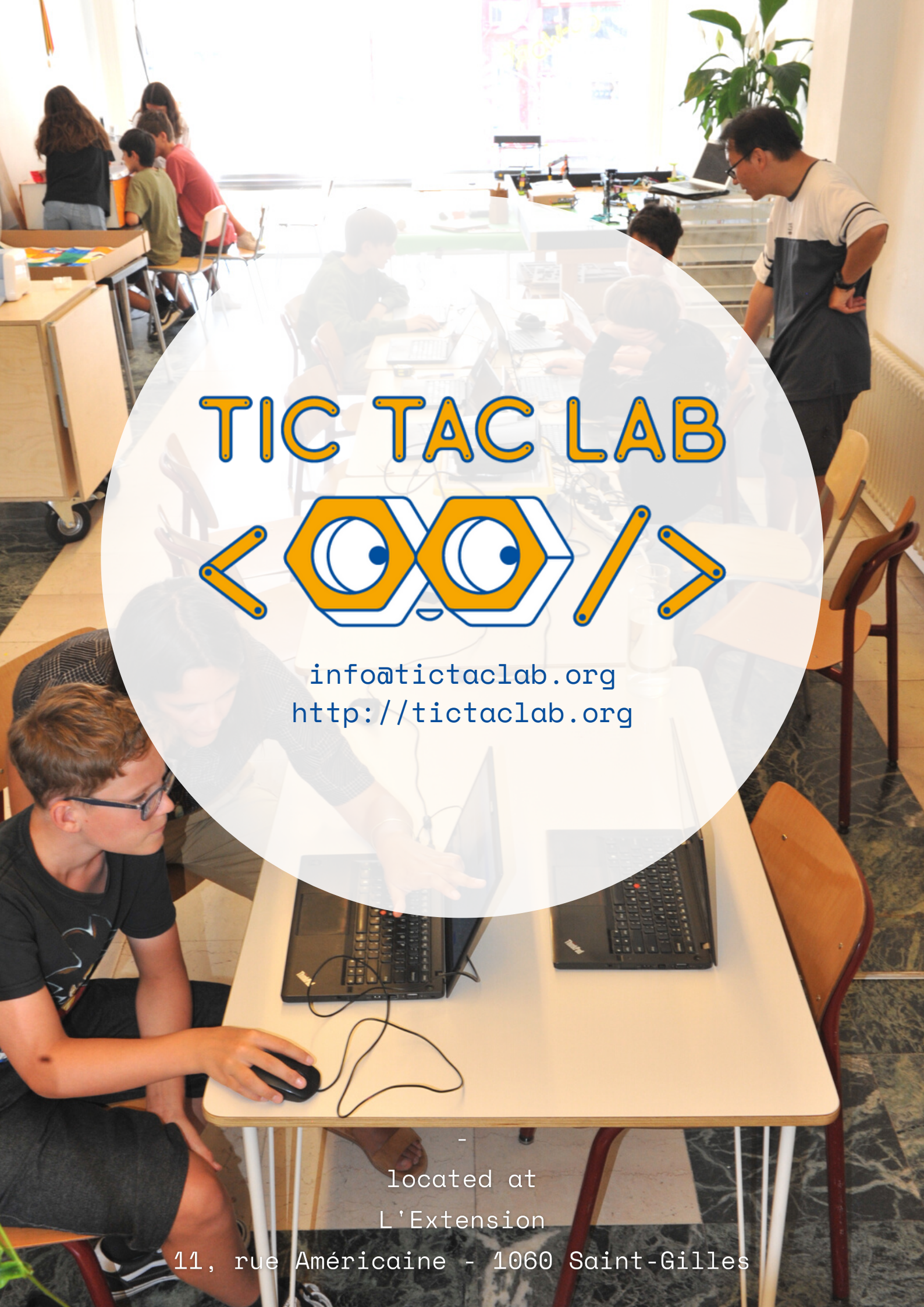
Content
maker tools (3d printer, laser cutter, vinyle cutter, thermoforming)
cooking skills (starter, main dish, dessert & drinks)

Prerequisites
none

Schedule
From Monday the 20th to Friday the 24th of February, 2023
The stage runs from 9am to 4pm
A daycare service is offered between 8:30 and 9am & between 4pm and 5pm

Registration

@ 2023 Tic Tac Lab



TIC TAC LAB

info@tictaclab.org
http://tictaclab.org

-

located at
L'Extension
11, rue Américaine - 1060 Saint-Gilles