

# EMPOWERING YOUNG MINDS WITH STEM. WEEKEND WORKSHOPS 2024

## THEMED SCIENCE WORKSHOPS AT THE LITTLE SCIENTISTS STEM CENTRE

Welcome to our STEM workshops, where we embark on a thrilling journey to nurture the natural curiosity and creativity of young minds aged 4 to 12.

Our carefully crafted sessions aim to instil a love for science, technology, engineering, and mathematics through a series of engaging and hands-on activities.

### Schedule:

- **Day:** Saturdays
- **Time:** 13:30 to 15:30 LEGO robotics - 70 CHF  
15:45 to 16:45 Coding or STEM challenges / Science experiments - 40 CHF

### Age Groups:

- **Group 1:** 4 to 7 years
- **Group 2:** 8 to 12 years

It is also possible to buy a combined ticket Lego Robotics + STEM or Coding Activities, with a **10% discount**.

Members of the Little Scientists NPO will benefit from a **5% discount on each booking!**

If you are a member of the **Kulturlegi**, please contact our team at [info@littlescientists.ch](mailto:info@littlescientists.ch) to receive the discount code before making your registration.

### Special Collaborations - Real-world Connections:

Some of our workshops are conducted in collaboration with high-tech companies. This unique opportunity allows students to interact with professionals from the industry, gaining insights into real-world applications of STEM and inspiring future innovators.



## ACTIVITIES

- **Lego Robotics - Building Foundations:**

Our Lego Robotics sessions cater to a diverse range of skill levels, ensuring that both beginners and advanced learners find a comfortable place to explore and grow. From foundational block-based programming for non-readers to the more intricate world of *Python* for our experienced participants, we strive to make robotics accessible and educational for everyone.

- **Coding Adventures - Unleashing Creativity:**

In our coding segment, we guide students through a journey of creative expression and logical thinking. Starting with *ScratchJr*, a visual programming language perfect for young minds, we progress to Scratch, fostering more complex coding skills. Finally, we delve into *Python*, opening doors to advanced programming. Throughout this adventure, students create their own video games, interactive stories, quizzes, and puzzles, turning coding into a captivating and educational experience.

- **Science Experiments and STEM Challenges - Hands-on Discovery:**

Our science experiments and STEM challenges are designed to make learning interactive, colourful, and above all, fun. Through hands-on activities, children explore different branches of science, fostering a deep understanding of scientific principles in a way that traditional learning often struggles to achieve.



# MONTHLY THEMES - A YEAR OF DISCOVERY

April

## EARTH DAY



Month	Date & Age Group	Themes
April	<b>06.04.2024</b> Group 2 (Kids aged 8 to 12)	<b>Eco-Explorers:</b> Earth Day Science
April	<b>13.04.2024</b> Group 1 (Kids aged 4 to 7)	<b>Eco-Explorers:</b> Earth Day Science

### Delving into Environmental Science and Sustainability:

In these workshops, children will construct thematic robots, serving as an introduction to a more environmentally conscious lifestyle, where they learn about producing energy and sustainable transportation.

Within the science workshops, participants will be introduced to the concept of green energy and the importance of recycling materials. Practical activities will include creating a small solar-powered oven for cooking marshmallows and crafting ornaments from recycled plastic materials.



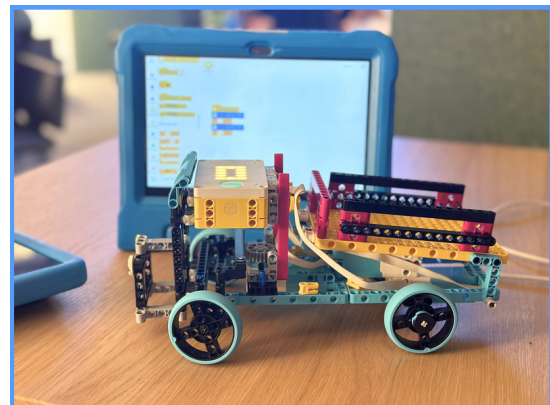


Month	Date & Age Group	Themes
May	<b>11.05.2024</b> Group 2 (Kids aged 8 to 12)	<b>Mobility</b> Constructing a New Town, Exploring the Future of Transportation.
May	<b>18.05.2024</b> Group 1 (Kids aged 4 to 7)	<b>Mobility</b> Constructing a New Town, Exploring the Future of Transportation.

## Constructing a New Town, Exploring the Future of Transportation.

Children will explore various modes of transportation, including cars, trains, planes, and helicopters, as they delve into the exciting theme of mobility.

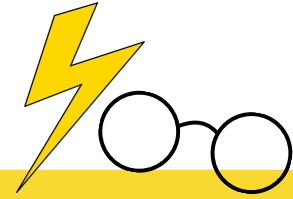
Throughout the STEM workshops, they will have the opportunity to craft their own town using recycled materials, adding an eco-friendly and creative dimension to their learning experience



# June

LITTLE  
SCIENTISTS  
ACADEMY

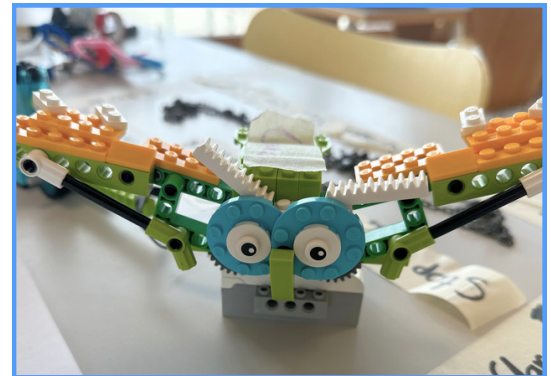
## HARRY POTTER



Month	Date & Age Group	Themes
June	<b>15.06.2024</b> Group 1 (Kids aged 4 to 7)	<b>Magic Meets Molecules:</b> The Wizarding World of Harry Potter Science
June	<b>22.06.2024</b> Group 2 (Kids aged 8 to 12)	<b>Magic Meets Molecules:</b> The Wizarding World of Harry Potter Science

### A Magical Month where Science Meets Fantasy.

During the Lego Robotics sessions, children will build robots inspired by the enchanting world of Hogwarts. They will then be introduced to the magical chemistry of famous wizards, adding an extra layer of fascination to their STEM exploration.



# September

LITTLE  
SCIENTISTS  
ACADEMY

## F1 IN SCHOOLS

  
in Schools  
Switzerland

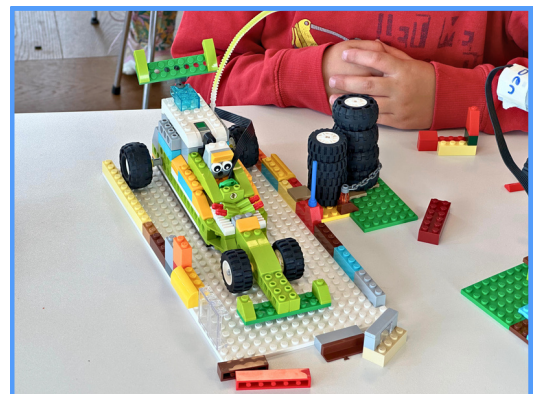
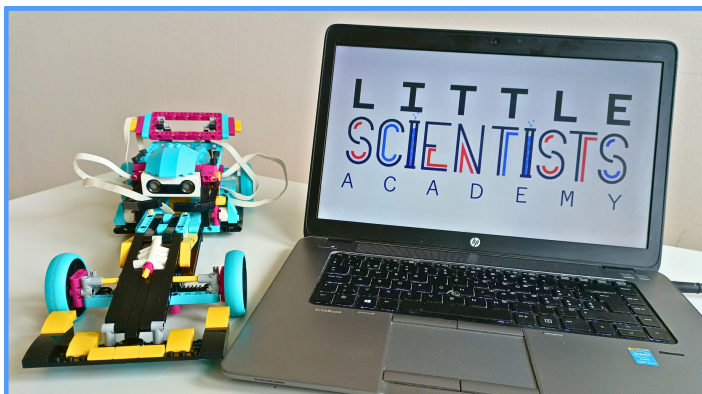


Month	Date & Age Group	Themes
September	<b>14.09.2024</b> Group 2 (Kids aged 8 to 12)	<b>F1 in Schools</b>
September	<b>21.09.2024</b> Group 1 (Kids aged 4 to 7)	<b>F1 in Schools</b>

### Unleashing the thrill of Formula 1 racing with hands-on projects!

Do you want to uncover the secrets of F1 cars? Join our workshops, where you can build your own F1-inspired car and compete on our 5-meter tracks.

Bring your creativity, imagination, and a lot of fun to this exciting hands-on experience!



## HALLOWEEN

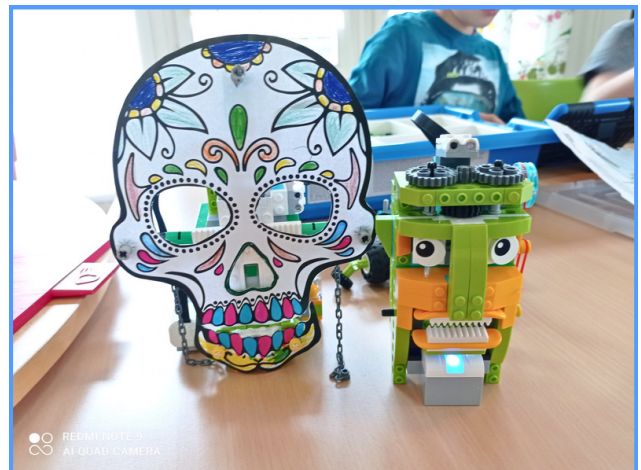
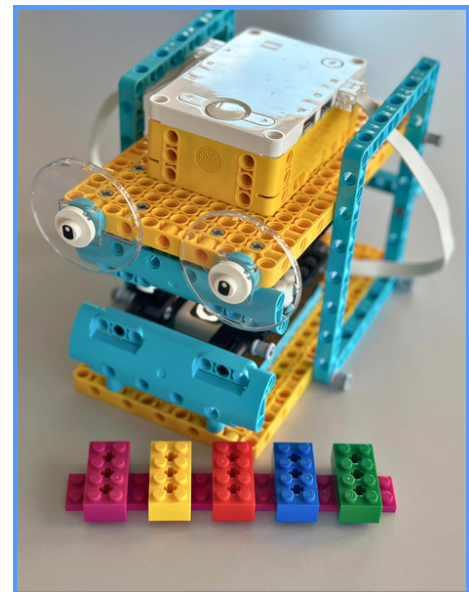


Month	Date & Age Group	Themes
October	19.10.2024 Group 1 (Kids aged 4 to 7)	<b>Spooky Science:</b> Halloween Investigations
November	02.11.2024 Group 2 (Kids aged 8 to 12)	<b>Spooky Science:</b> Halloween Investigations

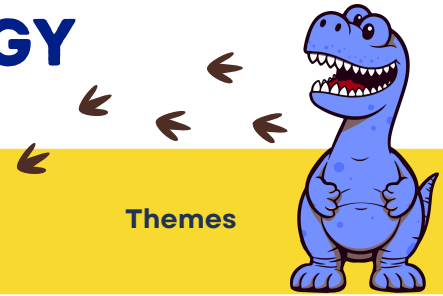
Combining science and spookiness for a month of thrilling experiments.

Join us in crafting Lego witches, spiders, and speaking masks during these fantastic workshops.

Afterward, dive into the fizzy wonders of spooky chemistry, making this Halloween season a blend of science and spine-chilling excitement!



## PALAEONTOLOGY



Month	Date & Age Group	Themes
November	<b>23.11.2024</b> Group 1 (Kids aged 4 to 7)	Palaeontology
November	<b>30.11.2024</b> Group 2 (Kids aged 8 to 12)	Palaeontology

A journey back in time to explore the wonders of dinosaurs.

Join our exciting dinosaur workshop! Build moving dinosaurs with roaring features. Then, step into the role of a paleontologist for dig activities and fossil-making.

It's a dino-rific adventure packed with creativity and hands-on fun! Don't miss out on the roaring excitement!





# December

## SANTA'S LAB

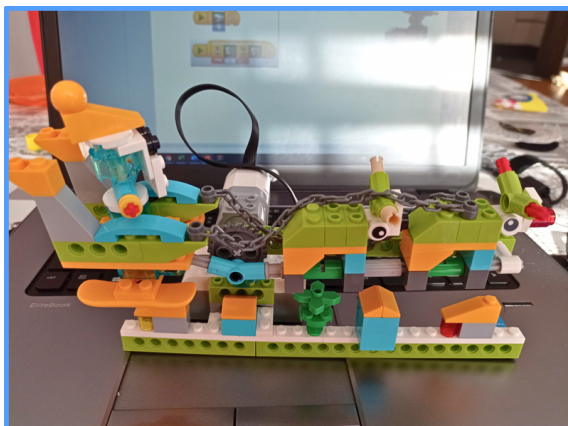


Month	Date & Age Group	Themes
December	<b>07.12.2024</b> Group 1 (Kids aged 4 to 7)	<b>Santa's Lab:</b> The Science of Christmas Magic
December	<b>14.12.2024</b> Group 2 (Kids aged 8 to 12)	<b>Santa's Lab:</b> The Science of Christmas Magic

**Celebrating the season with STEM-inspired festivities.**

Celebrate the festive season with our Christmas-themed workshop! Get ready to build and program themed robots featuring moving and lighting trees, Santa Claus, and reindeer.

Then, dive into exciting STEM adventures that capture the true essence of Christmas. Join us for a joyous and creative celebration of the holidays!



## Join Us in Creating Tomorrow's Innovators!

Register your child in our STEM workshops and witness the transformation as they embark on a journey of discovery, creativity, and innovation. Beyond education, our STEM center aspires to build a community where families, companies and children come together, fostering a shared passion for the wonders of science.

**Ready to inspire the next generation of STEM enthusiasts?**

**Secure your spot now!**  
**Click [here](#) to register for our workshops.**



**STEM Center CoetryLab**

Hohlstrasse 201, 8004 Zürich

[www.littlescientists.ch](http://www.littlescientists.ch)

