



5 days winter camp program

4 programs for 4 age group (6-8 | 9-11 | 12-14 | 15+).

A combination of activities will be delivered to the students that includes robotics, renewable energy, coding, 3D printing and civil engineering through hands on activities.

Winter Camp

Early Bird Registration: 250,000LL

One week for: 300,000 LL

One day for: 65,000 LL

90 mins for: 40,000 LL

RSVP: 01/611 604

Winter Camp

Winter Camp	2018	Wednesday	Thursday	Friday	Saturday	Monday
	December	26	27	28	29	31
10:00-11:30	Age 6-8	Christmas Tree	Hand Driven Fan (C1-T)	Solar Energy	Jousting (C1-P)	Carrousel (A.P)
	Age 9-11	Kicker (C1-P)	3D Printing	EdBlocks	Mini Swing (Krypton 3)	WER
	Age 12-15	Mini Race	Christmas Tree	Arduino	Edpy	WER
11:30 - 12:00	Break					
12:00 - 1:30	Age 6-8	Big Windmill (ROA)	Architecture	Kicker (C1-P)	Catapult (ROB)	Coding
	Age 9-11	Blue windmill	Mini Race	Christmas Tree	Coding	WER
	Age 12-15	Aggressive Duck (H1-B)	3D Builder	3D Printing	Civil Engineering	WER

Winter Camp

Workshops for students aged 15+ during the winter break

Fees for any of these workshops below is 75,000 LL

Winter Camp

Winter Camp	2018	Wednesday	Thursday	Friday
	December	26	27	28
10:00 - 11:30	Age 15+	Space	Wind Energy	CubeSat
11:30 - 12:00	Break			
12:00 - 1:30	Age 15+	Space	Wind Energy	CubeSat

Winter Camp

Winter Camp	2018	Wednesday	Thursday	Friday
	January	2	3	4
10:00 - 11:30	Age 15+	Space	Wind Energy	CubeSat
11:30 - 12:00	Break			
12:00 - 1:30	Age 15+	Space	Wind Energy	CubeSat

Christmas Tree

Students will be constructing a motorized Christmas tree then they will be designing their own

Big Windmill

Introduction to robotics using graphical programming.

Hand Driven Fan

Students will learn how to generate rotational motion using gear combination in order to rotate the fan.

Architecture

Using more than 8 kits, students will be able to build real life structures and buildings inspired from London bridge and the Big Ben.

Solar Energy

Students will be introduced to the renewable energy and they will have to perform a solar car race in order to see the most efficient way of exposing the car to the sun.

Kicker

Build and program a goal kicker that can kick a ball paper by using a closed loop motor.

Jousting

Learners will build a car and compete with each other to drop off their robot flags. The first flag that drops on the floor its team loses.

Catapult

Introduced to the lever and its functionality

Carrousel

Understanding the main feature of mechanics and motion transition.

Coding

Students will learn the basics of programming by using a visual software called scratch.

Kicker

Build and program a goal kicker that can kick a ball paper by using a closed loop motor.

Blue Windmill

Learners will be introduced to wind energy by constructing a windmill and discovering how electricity is generated.

3D Printing

The Little Engineer will proudly show its learners the transition between the digital and the physical world while using the 3D printing process where learners will have to design, build and 3D print their models.

Mini Race

They will construct a robot then program it in order to finish a certain mission by avoiding obstacles.

EdBlocks

Using this unique robot, the students will be able to code and control a robot in a way that is very interesting, they will go through the basics of programming of multiple functions of the robot to reach a sumo-bot competition.

Christmas Tree

Students will be constructing a motorized Christmas tree then they will be designing their own.

Mini Swing

Using Abilix technology, student will build and control robots from scratch and control it wirelessly using flow chart programming.

Coding

Students will learn the basics of programming by using a visual software called scratch.

WER

Students will be engaged in a scientific competition where robots have to complete missions in the most efficient ways.

Mini Race

They will construct a robot then program it in order to finish a certain mission by avoiding obstacles.

Aggressive Duck

Students will be introduced to the basics of intelligent servo motors controls which is an introduction to an exciting course at TLE known as TLE-06

Christmas Tree

Students will be constructing a motorized Christmas tree and program it then they will be designing their own.

3D Builder

Learners will construct a model of their own using Abilix then reconstructing it using 3D building software.

Arduino

Students will be able to create, control and operate micro-electronic equipment using the famous Arduino board.

3D Printing

The Little Engineer will proudly show its learners the transitions between the digital and the physical world while using the 3D printing process where learners will have to design, build and 3D print their models.

Edpy

Using this unique robot, the students will be able to code and control a robot in a way that is very interesting, they will go through the basics of the programming of multiple functions of the robot to reach a sumo-bot competition using Python.

Civil Engineering

In this activity, students will get to know more about civil engineering. Students will explore topics such structures, foundations, beams and other, altogether to make them aware of how civil engineers really work.

WER

Students will be engaged in a scientific competition where robots have to complete missions in the most efficient ways.

Space

Students will be introduced to the world of robotics generally and especially the space industry. The students will be acquainted with the Arienne 5 rocket covering its design and abilities. This workshop will explain they whys and the hows of reaching Mars using top notch technologies in power, telecom and space rockets.

Wind Energy

Students will learn about wind energy and how to transform it to mechanical and electric energy. They will learn about blade design and pros and cons of a windmill.

CubeSat

Students will build and connect electronics and sensors and program them to read information from any space and send the data back to us.

A380

Students will be introduced to AIRBUS A380 assembly line and the different phases and parts the airplane needs to be created, in addition to the several transportation used to transport the different airplane parts from around the world to Toulouse assembly factory.