



SUMMER STEAM CAMP

JULY 1ST – AUGUST 31ST
FROM 9:00 AM TILL 2:00 PM
CHOOSE YOUR PREFERRED WEEKS

AGE GROUPS: 6-8 | 9-11 | 12-14





10 days Summer Program repeated every 2 weeks.
4 programs for 3 age groups (6-8 | 9-11 | 12-14). A
combination of amazing activities concerning
robotics, renewable energy, engineering, coding,
3D printing and much more...



SUMMER CAMP

(Age 6-8/9-11/12-14)

Two weeks for: 222 \$

One week for: 165 \$

1 day for: 40 \$

RSVP: 01/611 604

71/920 150



SUMMER CAMP

(Age 6-8/9-11/12-14)

July 1 – July 12

July 15 – July 26

July 29 – August 9

August 12 – August 23

August 26 – September 6



SUMMER CAMP

(Age 6-8)

Summer Camp/ Week 1	2019	Monday	Tuesday	Wednesd ay	Thursday	Friday
9:00-11:15	July	1	2	3	4	5
	Age 6-8	Swing (ROA)	Race Car (Krypton PG)	Renewabl e Energy (Solar Car)	Solar Oven	Little Coder 2
11:15- 11:45	Break					
11:45 - 14:00	Age 6-8	Amuseme nt Park	Architectur e	Electric Circuit	Creativity	Dizzyland



SUMMER CAMP

(Age 6-8)

Summer Camp/ Week 2	2019	Monday	Tuesday	Wednesday	Thursday	Friday
9:00-11:15	July	8	9	10	11	12
	Age 6-8	Little Bits	Blue Windmill	Turning Wheel	Cavalry (C1P)	EdBlocks
11:15-11:45	Break					
11:45 - 14:00	Age 6-8	Technology	Bee / Yellow Car	Do It Yourself (DIY)	Gravity car + Well	Windmill (Krypton PG)



SUMMER CAMP

(Age 9-11)

Summer Camp/ Week 1	2019	Monday	Tuesday	Wednesday	Thursday	Friday
9:00-11:15	July	1	2	3	4	5
	Age 9-11	Renewable Energy (Solar Car)	Civil Engineering	Mini Race	Wind Energy	EdBlocks
11:15-11:45	Break					
11:45 - 14:00	Age 9-11	Little Coder 3	Red Windmill	Pneumatic Hand	3D Printing	Zip Flyer



SUMMER CAMP

(Age 9-11)

Summer Camp/ Week 2	2019	Monday	Tuesday	Wednesday	Thursday	Friday
9:00-11:15	July	8	9	10	11	12
	Age 9-11	Safety On The Road	WER	Krypton	Automated Car	Little Coder 3
11:15-11:45	Break					
11:45 - 14:00	Age 9-11	Solar Oven	WER	Spider	Architecture	Do It Yourself (DIY)



SUMMER CAMP

(Age 12-14)

Summer Camp/ Week 1	2019	Monday	Tuesday	Wednesd ay	Thursday	Friday
9:00-11:15	July	1	2	3	4	5
	Age 12-14	Wind Energy	Arduino	WER	Javascript	Civil Engineering
11:15-11:45	Break					
11:45 - 14:00	Age 12-14	3D Builder	Zip Flyer	WER	Safety On The Road	Cycled Penguin



SUMMER CAMP

(Age 12-14)

Summer Camp/ Week 2	2019	Monday	Tuesday	Wednesday	Thursday	Friday
9:00-11:15	July	8	9	10	11	12
	Age 12-14	Mini Race	Edpy	Python	Humanoid Robot (Krypton 5)	Fire Fighter
11:15-11:45	Break					
11:45 - 14:00	Age 12-14	Automated Car	Pneumatic Hand	Renewable Energy (Solar Car)	Humanoid Robot (krypton 5)	Red Windmill



Activities for learners aged 6 to 8

Little Bits

Students will explore the world of electronics in fun, colorful and exciting manner. Once they understand this concept they will be asked to structurally integrate components to invent systems.

Swing (ROA)

Intro to Robotics using graphical program

Solar Oven

Explore the science of solar thermal energy – a green and renewable source of energy.

Turning Wheel

Students will learn how to transfer horizontal motion into vertical motion.

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.



Activities for learners aged 6 to 8

Dizzyland

Students will be introduced to the world of gears, building rides including motors with hand control.

Electric Circuit

The students will get to know how to control the electric current and they will be exposed to the basics of electricity and how it works from the generation to the usages in our daily life as labs, motors and switches.

Amusement Park

Pupils will be exposed to what is behind this industry, how to construct and program similar models

Krypton

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

Solar Car

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.



Activities for learners aged 6 to 8

Gravity car + Well

Learning about gravity and how speed is affected by weight.

Technology

Students will be exposed to one of the following subjects: Gears, Wheels and axels, Pulleys and pneumatics.

Ed Blocks

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.



Activities for learners aged 9 to 11

Solar Car

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.

Mini Race

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

Solar Oven

Explore the science of solar thermal energy – a green and renewable source of energy.

Automated car

Students will use sensors, motors and controller to get closer to the real application of engineering.



Activities for learners aged 9 to 11

Civil Engineering

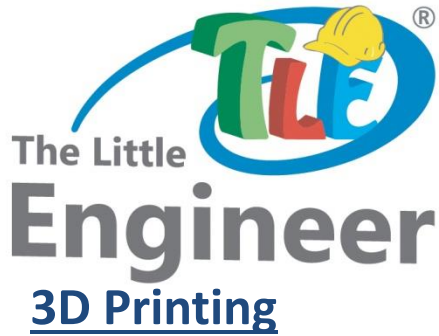
In this activity, students will get to know more about Civil engineering. Students will explore topics such as structures, foundations, beams and other, altogether to make them aware of how civil engineers really work.

Krypton

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

Little Coders 3:

Students will learn special coding based on a visual programming language and will use it to give commands to the computer and simplify the process of creating and programming animations, games, music, interactive stories and more ...



Activities for learners aged 9 to 11

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.

Zip Flyer

Using this exciting activity, student will be able to build a zip-flyer, which will have to be operated by the students to fly the wheel as high as it can.

Ed Blocks

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.

Pneumatic

Students will learn about pneumatic and how to use it by moving objects and do complex movements.



Activities for learners aged 9 to 11

WER

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

Windmill

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

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.

Safety on the road

Students will be exposed to the best practices while driving, they know how a basic car move and what are the rules and regulations to have a safe trip while driving around the cities of Lebanon and they will be informed of basic maintenance procedure so their cars operate safely.



Activities for learners aged 12 to 14

Pneumatic

Students will learn about pneumatic and how to use it by moving objects and do complex movements.

Civil Engineering

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

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



Activities for learners aged 12 to 14

WER

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

Solar Car

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.

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.

Zip Flyer

Using this exciting activity, student will be able to build a zip-flyer, which will have to be operated by the students to fly the wheel as high as it can.



Activities for learners aged 12 to 14

Krypton

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

Cycled Penguin

Students will be introduced to the basics of intelligent servo motors controls.

Python

Students will learn how to code using high level of programming language and structure program to do specific function.

Arduino

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

Automated car

Students will use sensors, motors and controller to get closer to the real application of engineering.



Activities for learners aged 12 to 14

Javascript

Students will be able to code, build and amend websites using the famous JavaScript language where they will get to see in naked eye how sites are built from scratch.

Mini Race

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

Wind Energy

Learn about different types of renewable energy sources. Comprehend the construction design of wind energy. Analyze the risks of wind turbines and come up with solutions to tackle all of them.

Safety on the road

Students will be exposed to the best practices while driving, they know how a basic car move and what are the rules and regulations to have a safe trip while driving around the cities of Lebanon and they will be informed of basic maintenance procedure so their cars operate safely.