





Winter STEM Camp

5 days winter camp program

4 programs for 4 age groups (4-5 | 6-8 | 9-11 | 12-14)

*A combination of amazing activities concerning Robotics, Renewable Energy,
Coding, Aviation, Engineering and much more ...*



Winter STEM Camp

One week for: 200,000 LL

One day for: 45,000LL

90 min for: 25,000LL

RSVP: 01/611 604

Winter STEM Camp

Winter Camp	2019	Monday	Tuesday	Thursday	Friday	Saturday
	December	23	24	26	27	28
10:00 - 11:30	Age 4 - 5	Simple Machine	Little Coder 0A	Mosaic	Letters	Shapes
	Age 6 - 8	Merry Go Round - ROD	Home Automation	Amusement Park - Ferris Wheel	Civil Engineering Cantilever	Solar Moto
	Age 9 - 11	Bowling Par ROE	Solar Energy	Crossbow	Flying Fan Zip Flyer	Safety On The Road
	Age 12 - 14	WER	Java	Flying Fan Zip Flyer	Arduino	Javascript
11:30 - 12:00	Break					
12:00 - 1:30	Age 4 - 5	K'nex	Creativity	Bee	Christmas Tree	Wooden Blocks
	Age 6 - 8	Meet Robo	ROA	Coding	Christmas Tree	Car - Simple Machine
	Age 9 - 11	3D Modeling	Power Up	Christmas Tree	EdBlocks	Pneumatic Hand
	Age 12 - 14	WER	Christmas Tree	3D Builder	Mini Race	Wind Energy

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Simple Machine

they will learn about gearing up, gearing down and motion. In addition they will be able to count, differentiate between colors, and work in teams.

K'nex

interlocking plastic rods, connectors, blocks, gears, wheels, and other components, which can be pieced together to form a wide variety of models, machines, and architectural structures.

Mosaic

Mosaic is the art of decorating a surface with pictures and patterns made of little pieces of different colors.

Bee

Programmable floor robot, teaching control, directional language and programming to young children.

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Home Automation

Students will assemble a house and get to know how fans are used in different seasons where they have to switch the direction of the fan rotation along with the blades to produce good airflow.

Krypton

Using Abilix technology, students will build and control a “Merry Go Round” from scratch and control it wirelessly using flow chart programming.

ROA

Intro to Robotics using graphical programming.

Ferris Wheel

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



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Coding

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 ...

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.

Solar Moto

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

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3D Modeling

The Little engineer will proudly show its student how to move from the digital to the physical world and this will be using the 3d printing activity where learners will have to design, build and 3d print their models.

Flying Fan

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.

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 the programming of multiple functions of the robot to reach a sumo-bot competition.



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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.

Pneumatic Hand

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

WER

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

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Arduino

Students will be able to create, control and operate micro-electronic equipment using the famous Arduino board in this particular case they will be able to create a Christmas tree shape using LEDs.

Mini Race

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

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.

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.