

INVESTING IN OUR COMMUNITIES



“The Lifetime Education” Foundation

Who are we?

Is the non-profit arm of The Little Engineer, an award-winning initiative that provides a custom-tailored hands-on learning activities and courses in Science, Technology, Engineering and Mathematics (STEM) to supplement traditional learning for students aged 6 to 12.

We believe that Quality Education is the catalyst for positive change in every society.

We have two programs

- Women Entrepreneurship Program (WEP).
- Public School Program (PSP)

Together, We create change

TLEF is a foundation that deploys innovative and inspiring programs focused on exposing young minds to STEM while ensuring quality education for all, equal opportunities for remote and rural areas, environmental awareness and women empowerment.”

We support educators in transforming education by developing the talent of youth in order to expose them to alternative subjects and career paths while encouraging them to positively impact the environment and their communities.

Mission

To build high impact social interventions that continuously promote access to all in STEM education and women empowerment

Vision

To give equal rights and access to all in the educational sector, through delivering products, services and class solutions for public and private schools in the STEM field throughout Lebanon. we aim to expose the largest number of kids in rural areas to the latest innovations and technological tools needed to excel in this broad field.

To empower women through provision of management support and capacity building skills to generate revenues for themselves through the delivery of STEM workshops and to provide measurable, sustained change in their communities.



**WE
BELIEVE
IN**

01
STEM for All

02
Nurturing
Young Minds

03
Empowering
Women

04
Bridging the gap
between schools
and universities

05
Learning
by practice



Core Values

Leadership: The Courage to shape a better future

Collaboration: Leverage collective genius

Integrity: Be real

Accountability: If it is to be, it's up to me

Passion: Committed in heart and mind

Diversity: As inclusive as our brands

Quality: What we do, we do well



**Aquired
Skills**

“Innovation”

“Teamwork”

“Critical Thinking”

“Communication”

“Problem Solving”

“CONFIDENCE” “Perseverance”

“CONCENTRATION” “CREATIVITY”



WHY STEM IN RURAL AREAS?

There is a growing vulnerability among youth in the majority of rural areas in Lebanon. The lack of curricula updates and STEM training for the teachers, as well as a lack of resources and budgets allocated to schools in remote rural areas and the increasing livelihood challenges leads more children to dropout of schools. Moreover, there is a debilitating lack of career choices for the majority of kids in rural areas. When asked where they see their life heading in the future, they answer out a lack of choice their inclination to enroll in the Lebanese army. That is why influenced by all the above, TLE foundation decided to invest in nurturing young minds providing them with skills that will resonate throughout their entire life.

OUR RESPONSIBILITY

Giving equal educational opportunities to learners in rural and peri-urban areas by delivering hands-on STEM Activities and courses in private and public schools through TLE Foundation Women Empowerment Program and Public School Program.

Our emphasis is to prepare learners to the real world. We adopt a practical learning approach that provides youth, the future workforce of tomorrow, with critical applied skills.





What differentiates us ?

We believe in knowledge that has an impact on our society.

We have a unique platform through our main pillar namely The Little Engineer® to empower young minds and introduce them to science.

We equip our learners with job-ready skills and develop them into self-directed lifelong learners with exceptional social awareness and values.

We help women and youth realize a better future that is sustainably rewarding and enriching to our society as a whole.

Curriculum:

Custom developed class solutions which address different ages

Internationally awarded

Dedicated R&D

Research & Development Department



Practical Learning:

Uniquely inclusive, practice-oriented education.

Unique platform:

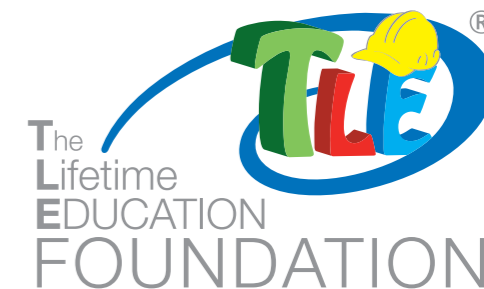
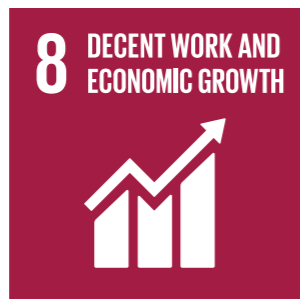
The combination of Robotics, Renewable Energy makes the blend of these technologies delivered by one scientific institute a unique experience.

Accredited:

By International Accreditation Organization (IAO) in the US.

Why are we doing it ?

We are committed to the 2030 UN, Sustainable Development Goals SDGs promising to work towards a more sustainable world where no one is left behind, and where our present way of life supports an equally good or even better life for future generations.



How are we going to do it ?

- * Train youth and women to serve their communities in rural areas rather than hunting for Jobs in big cities
- * Build the skills of women in remote areas and engage them in businesses.
- * Replicate this winning initiative all over Lebanon with the support of the CSR Program, sponsors or grants.
- * Develop the capacities of women and youth to invest in their communities
- * Share our business skills and technical skills with women to excel in their regions
- * Foster the economy and create job opportunities in remote areas.
- * Promote Intrapreneurship: Educate women to run a business and improve their life style.



Our Regional Strategic Partners

AIRBUS FOUNDATION
“15”

More than
COUNTRIES
all over the world

Airbus Foundation Program exposed more than 5000 learners in more than 15 countries on Space and Aviation programs.

Jordan, UAE, KSA, Bahrain, Oman, Qatar, Egypt, Morocco, Algeria, Nigeria, Kenya, Ethiopia, South Africa, India, Sri Lanka, Singapore.



DONATE To EDUCATE

STEM for all



Looking for sponsors and strategic partners to fund our activities.

Let us expand more and more this experience and discover the capacities of our youth. Let us offer them equal chances, equal opportunities, by launching more sustainable projects.

Participants are exposed to a robotic activity allowing them to unleash the skills of their scientific potential and to be ready for the challenges of future societies.

Connected learners, have to construct, contemplate and construct their model before moving forward to

the programming stage to complete all missions.

Young people will have the opportunity to experiment new technologies through hands-on activities.

New horizons shall be opened for them.



Local Strategic Partners

AZADEA Foundation



Envirothon competition Promoting "Use of technology for environmental solutions" with 8 "Go Green" activities celebrating Earth Day.

250 Students from:
Eastwood College Mansourieh
Makassed Abu Baker el Siddik
Lycee Patriatchal Rabwe

Shakib Areslan Public School
Omar Zeanni Public School
Uruguay Public School

Omar Farrukh High School for Girls



The Little Engineer's Robotics Lab Opening at the Omar Farrukh High School for Girls

The Little Engineer joined forces with Omar Farrukh High School for Girls to open the first Robotics Lab at a public school in Lebanon. The opening sponsored by Omar Usamah Farrukh

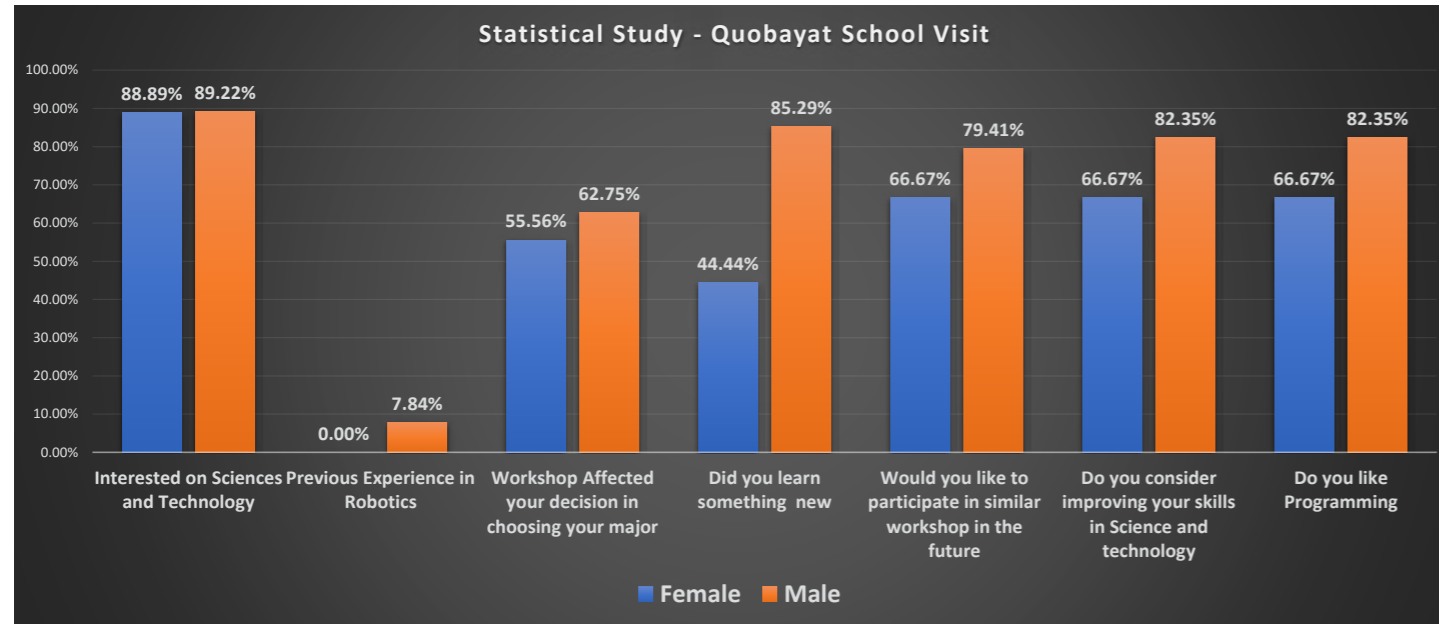
MD, was an event of spectacular innovation, stimulating young girls from grades 7 to 12 with technological wonder.

The project began with the "train the trainers" (TTT) program, and those trainers are now ready to deliver their own sessions to all current students at the school and for generations

to come. Thus, this project will be sustainable for years and it will fulfill its promise of delivering STEM for girls of different age groups.

On the other hand, TLE is always on the move to expand this educational experience so that it will include more schools!





INPLAN – German company providing a software solution for port management- sponsors a scientific activities at public school at Quobayat- North of Lebanon (140 km from Beirut)

Participants were exposed to a "Security on the Road" activity allowing them to unleash the skills of their scientific potential and be ready for the challenges of future societies.

Before starting our workshop 53 % of learners had no ideas about their future major. After the workshop 66% were more certain.

The Numbers talk!

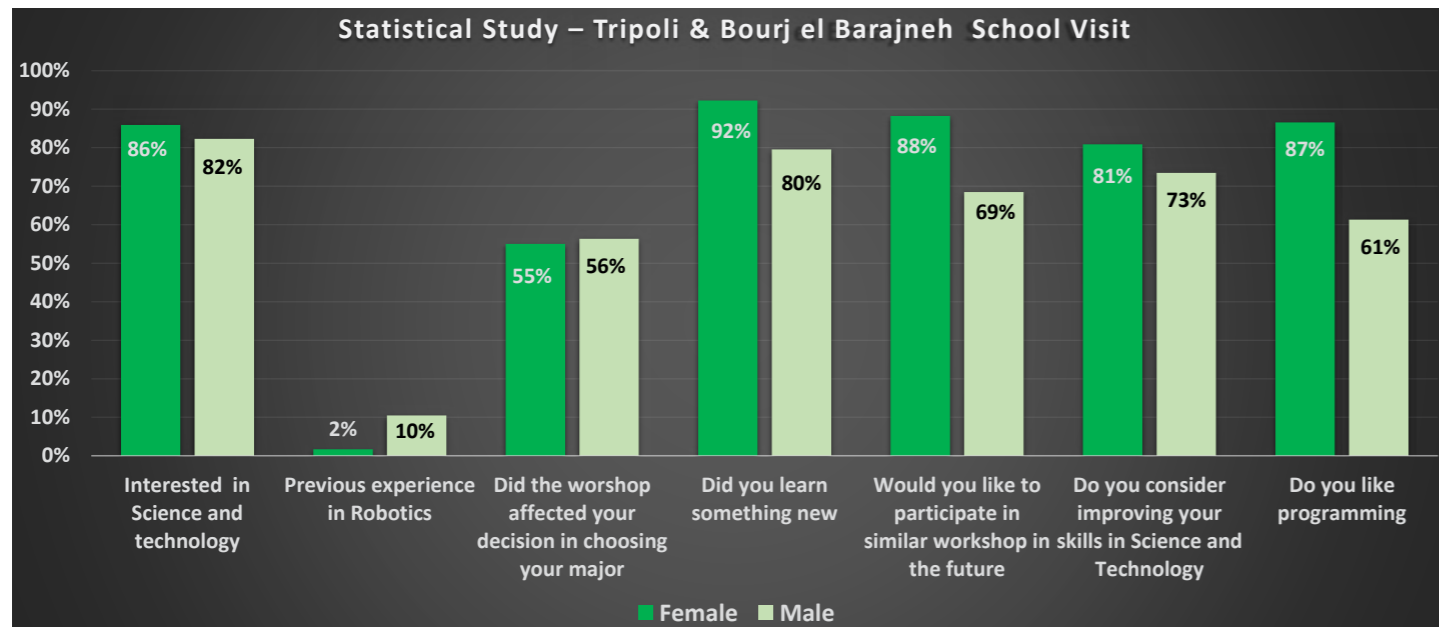


APPLIED MEDICAL

”DONATE TO EDUCATE”



Statistical Study – Tripoli & Bourj el Barajneh School Visit



Applied Medical - sponsors scientific "Security on the Road" public school visits at Tripoli for girls and Bourj el Barajneh for boys.

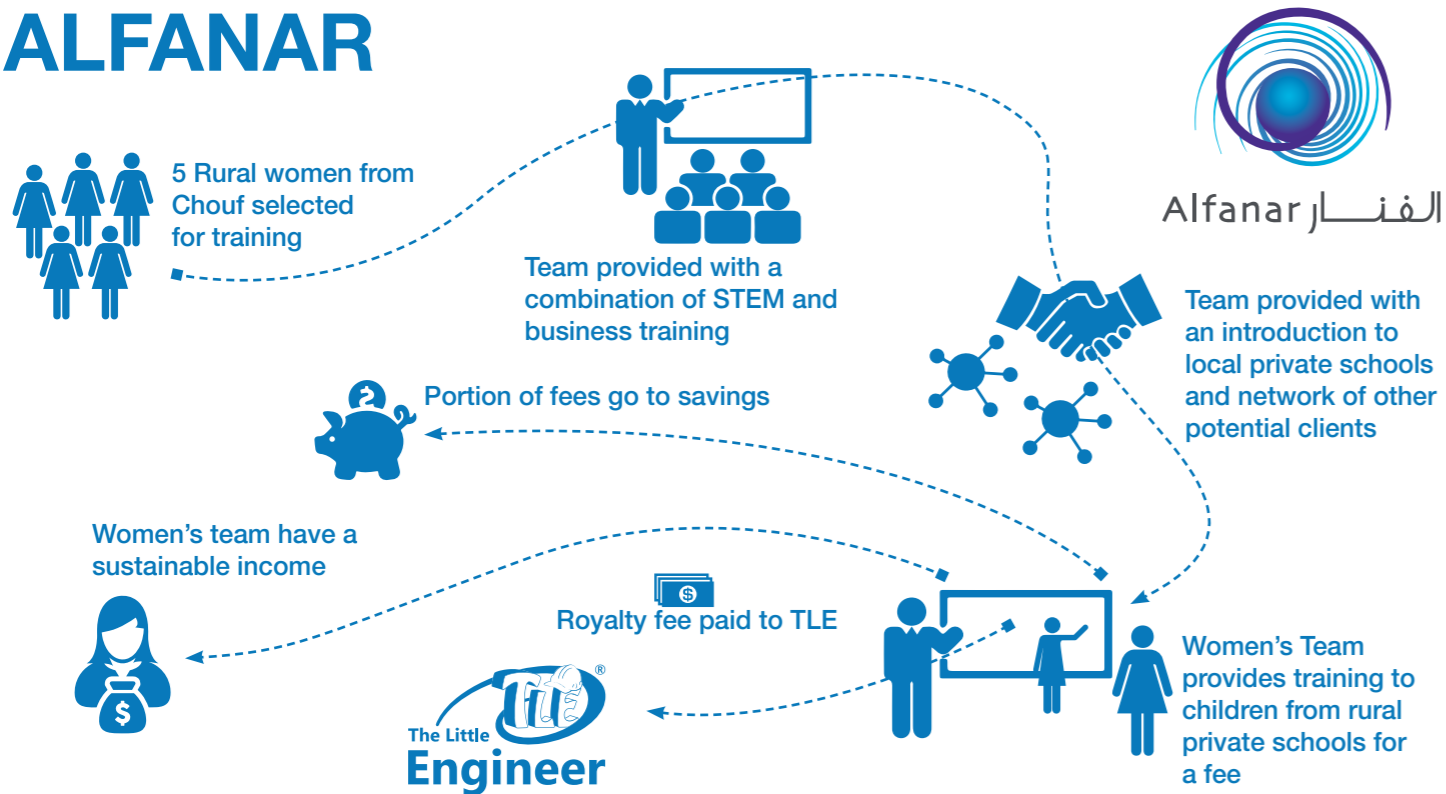
Before starting our workshop 34 % of learners didn't have a decision about their future major. After the workshop 56% identified potential areas of study.

The Numbers talk!

Let us expand more and more this experience and discover all around Lebanon the capacities of our youth.



ALFANAR



Alfanar venture philanthropy invested in both Women Empowerment (WEP) and Public School (PSP) Programs. The pilot project was launched in October 2017. Five women have been trained to launch the program.

The WEP pilot project aims to test the deployment of STEM activities in Chouf area. This is a social franchising model where the franchise fee is waived as a gesture to empower and support women in the rural areas.

The public school selected for the PSP pilot is the Bikfaya high school where Grade 7 to 12 learners (ages 13-18) can be exposed to the two 90-minute STEM workshops on robotics and renewable energy. 360 students will be exposed.



MAZRAAT EL CHOUF

The Lifetime Education Foundation, through its women empowerment program (WEP) in Chouf, began receiving students at its offices in the National Library, Baakleen.

In addition, several workshops are being delivered at a number of public schools in collaboration with the municipalities of Wirhanieh, Ammatour, Barouk, Mazraat el Chouf, Batloun and the Ain Qani Women Association. More workshops are set to be delivered in the coming year with several municipalities and associations. The local community is providing the WEP program with a lot of support and the learners are reacting to the delivered material with a lot of enthusiasm and passion while the post workshop evaluations show that students share a strong interest in STEM and Robotics.

At Mazraat el Chouf, three consecutive workshops were delivered in collaboration with its municipality and the Federation of Chouf Souayjani

Municipalities. Mrs Nora Jumblatt attended the first workshop and gave an encouraging and supportive speech to learners, the WEP team, other municipalities' representatives, the Makhateer and community members.

The Lifetime Education Foundation, CEO and Founder, Rana El Chemaitelly reaffirmed during her speech at the workshop's opening ceremony that the WEP program seeks no profit, and charges only a nominal fee to cover the trainers' expenses. She also stressed that the main objective of the program is not only to empower



اتحاد بلديات
الشوف السويجاني

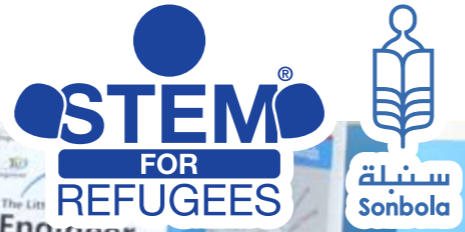


مزرعة الشوف
إدارة بلديات الشوف السويجاني

the trained women who are delivering the workshops but also to reach the largest number of learners and to offer them the educational tools needed for formulating solutions to local problems.



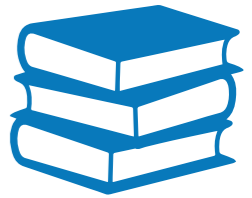
SONBOLA



To provide refugees and vulnerable young boys and girls with quality and relevant education. To sensitize young refugees and powerless learners to STEM-related knowledge and skills.

To empower and inspire young refugees and vulnerable learners to commit to education and pursue STEM-related vocations or careers.

To empower teachers through STEM literacy and teachings and contribute in improving their technical and professional skills.



June – Sept, 2016: Sonbola and TLE Exclusive partnership to develop a special tailored Robotics program for Syrian refugee children.

Oct 2016–Jan 2017: Training of Sonbola teachers, kick-off and implementation of pilot program with 50 children (boys and girls) and registration of STEM for Refugees for copy rights.

Feb 2017: Official launching of STEM For Refugees. STEM education is vital for the post-conflict and reconstruction phase in Syria



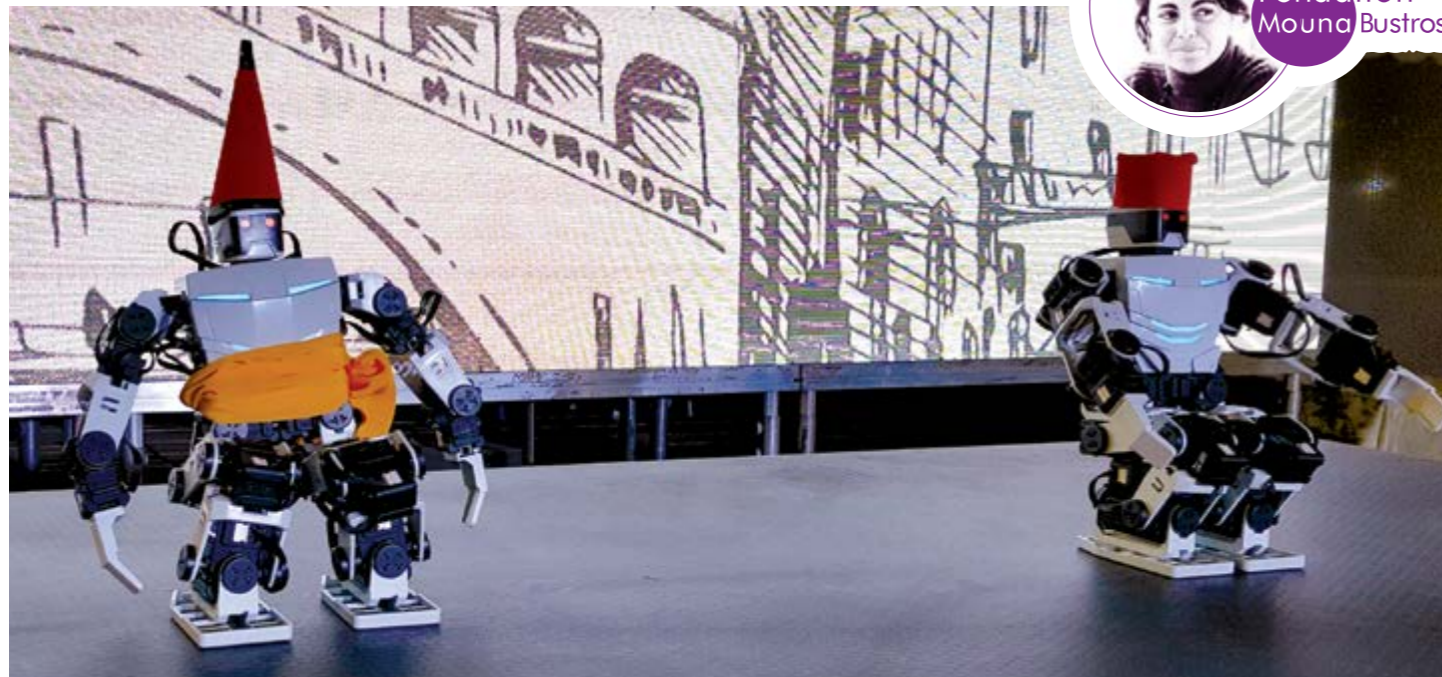
School visits to RYMCO Chiyah showroom automotive industry for youth

3 hours of Hands-on Minds-on Activities featuring Manufacturing, Automation, Robotics, Programming, Preventive

Maintenance, Logistics, Sales, Marketing and Customer relations
Class capacity: 60 Learners



MOUNA BOUSTROS



25 students aged 16+ from 5 public schools, together with 20 teachers who are fully trained on how to assemble and program the robot will be introduced to the competition's criteria.

The training will address 1 school at a time hosting, 2 teachers and 5 to 10 learners who are considered team leaders in their schools.

Human-like dancing robot competition between schools then begins. This program can be brought forth to another 5 schools in its second year, investing in another hundred learners.



Girls In STEM

STEM FOR GIRLS

Looking for sponsors and strategic partners to fund our activities.

Promote STEM education as well as Information and Communications Technology (ICT) skills to young girls.

Reduce the digital gender divide.

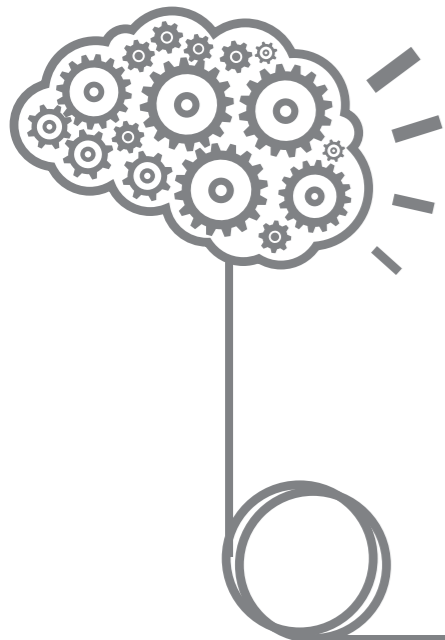
Encourage young women to join the growing digitally-enabled sectors.

Support the technology startup ecosystem in Lebanon

Young girls will have the opportunity to experiment with new technologies through hands-on activities.

New horizons shall be opened for them.





Partnering with us

We are actively seeking like-minded partners to pool resources, competencies and expertise for efficiency, to have a sustainable social impact.

We can tailor our STEM workshops to the public school or student community of your choice with your preferred learning objectives, depending on your sector of

operation and/or your CSR and sustainability goals objectives. Together we can change the future of our youth by exposing them promising career opportunities













2017 Project

We are looking for partners, who aspire to align with our mission and vision to sponsor this initiative to invest in women in rural areas and to replicate TLE® initiative all over Lebanon and help women invest in their communities.

- 1- Select the area.
- 2- Hosting location.
- 3- Define the budget.
- 4- Recruit 5 women.
- 5- Train the trainers.
- 6- Delegate and monitor.
- 7- Report to donors.
- 8- Move to a new area with the support of the 5 trained women.
- 9- And the productive cycle continues.

Awards & Recognitions:

The Foundation main pillar TLE[®] has won many international awards and recognitions:

2010		<i>MIT Arab Business Plan Competition</i>
2010		<i>MED VENTURES Award</i>
2011		<i>Cartier Women Initiative Award</i>
2012		<i>Winner of the News globe Award</i>
2012		<i>Green Mind Award-Education Category</i>
2013		<i>Airbus Scientific Collaboration Program</i>
2015		<i>Vital Voices Grow fellow</i>
2016		<i>Vital Voices 100</i>
2017		<i>Vital Voices / Global Ambassador</i>
2017		<i>TechWomen</i>

Rana El Chemaitelly

Founder of The Little Engineer[®] & The Lifetime Education Foundation
Beirut, Lebanon



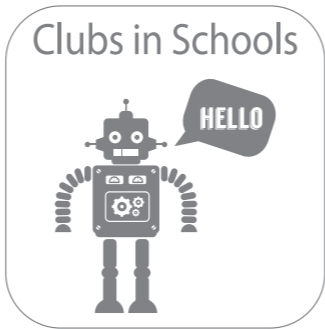
With a background in mechanical engineering and management, Rana created The Little Engineer, an “edutainment” center for engaging young minds in science, technology, engineering and mathematics through hands-on learning activities to unleash their full potential in pre-engineering skills while highlighting robotics, renewable energies, aviation and space and for their significance working in parallel on youth leadership and presentation skills. The Little Engineer works with ministries of education in the Middle East and North Africa (MENA) region to integrate the program in school curricula.

For The Little Engineer initiative and business plan, Rana was recognized as one of MENA's most promising entrepreneurs in 2009 by Massachusetts Institute of Technology. She was awarded the “Coup de Coeur Femme” by Medventures for

the Mediterranean in 2010. In 2011, she was selected for the U.S. State Department's International Visitor Leadership Program and won the Cartier Women's Initiative Award for the MENA region. In 2012 Rana won the Green Mind Award and in 2013, The Little Engineer signed a strategic partnership with Airbus Middle East to deliver regional workshops for youth. In 2016, she partnered with Airbus Foundation to expand her social programs at the global level starting in Africa. She is a VV GROW fellow, and was part of VV100 in 2016. In May 2017, she participated in the global Ambassador program in Charlotte.

Rana is committed to being a voice of change in the Arab world by investing in young minds and preparing future leaders for the challenges. At the same time, she is working to empower women in her community, country and around the world.

What We Do





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