



An award winning educational start-up from Lausanne



# LEDsafari



# Open design, sustainability and solar technology for your students



LEDsafari programmes are a fun and exciting way to teach your students about design, solar technology and electronics at the same time.

They are in line with the secondary school curriculum (age 12-15 years) and easy to implement. LEDsafari provides high quality online animations and graphics to support teachers.

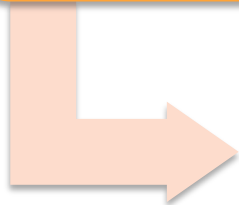


Teachers in 17 countries worldwide are using LEDsafari programmes to enhance their curriculum on sustainability and thousands of students have gone through our programmes and created their own solar lamp.

## Process

Teacher training

- Short online training
- Easy & modular
- Access to teaching materials, customisable according to students' needs



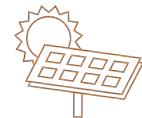
Student training

- Hands-on practical on solar technology
- Design their own personalised solar lamps using recycled material

## Learnings



Circuit and Electricity



Solar Energy



Sustainability and Recycling



Design and Practical

*The workshop leaders' (...) ability to simplify the content and place it in clear context of sustainability convinced me that there was value enough in their workshops to include it in our IB MYP Design curriculum."*

- Mark, Head of Design, International School of Lausanne, Switzerland



# Services

## Online training (for teachers)

- Access to the LEDSAFARI online platform for 1 year



| Programme    | Basic  | Advanced   |
|--------------|--|--|
| Content      | Understand the function of solar panel, battery, different LEDs etc.<br>Understand the circuit<br>Step-by-step solar lamp making<br>Soldering, precautions, good practices<br>Product design tips to make a perfect, user-friendly lamp<br>Assessments | Basic programme<br>+ Understand complex concepts like Ohm's law, Power/Energy and short circuit, using analogies with nature<br>+ Understand battery charging / discharging<br>+ Apply theory to determine the value of the components in the circuit<br>+ Assessments |
| Duration     | 3-4 hours  | 7-8 hours  |
| Suitable for | Design class<br>One day activity   | Interdisciplinary trimester course (design, physics, environment)  |
| Price*       | 30 CHF/access<br>100 CHF/4 access (per school)   | 60 CHF/access<br>200 CHF/4 access (per school)   |

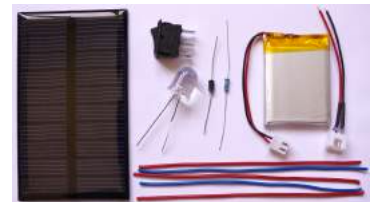
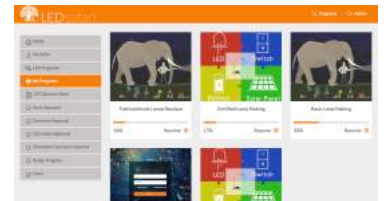
\*Free access for more than 100 kits bought

## Solar lamp kit

- 6 high quality electronic components + 5x10cm electric wires

| # Kits   | Price per kit** |
|----------|-----------------|
| Below 20 | 12 CHF          |
| Above 20 | 10 CHF          |

\*\*Excluding shipping, free shipping for more than 50 kits bought



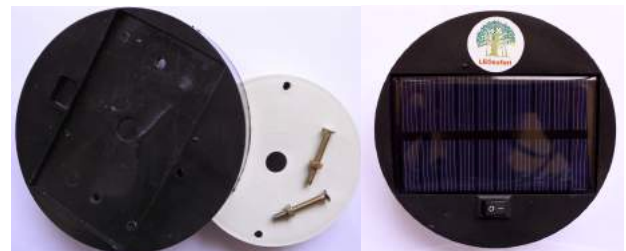
## Add-on (optional)

- LEDSAFARI toolbox: necessary tools for lamp making
  - 2 soldering irons, 15g solder, 10m insulation tape, 1 wire stripper
  - Ideal for up to 20 students

|                  |           |
|------------------|-----------|
| Rental (10 days) | 50 CHF*** |
| Purchase         | 120 CHF   |

\*\*\*Free rental for more than 200 kits bought

- Solar cap: to facilitate the design
  - 5 CHF/kit extra
- Solidarity kit: connect your students with students in developing countries
  - Gift a lamp for 10 CHF/kit extra
- LEDSAFARI trainer: available upon request



*"In physics class, it is always difficult to link theory with practical, with the available means. Making a solar lamp in manual work class to put into practice the physics is awesome."*

- Teacher, Secondary School La Neuveville, Switzerland



Secondary School of La Neuveville, Switzerland

Design, physics and geography teachers implemented a LEDsafari interdisciplinary course on solar technology



Telangana, India

A solar lamp-making workshop conducted in an un-electrified village as part of LEDsafari solidarity programme

If you would like more information on our programmes and their implementation, please contact us.  
We are looking forward to hearing from you!

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