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**Little Sun Foundation**

# Education

About our Workshops and  
Factsheets and how to use them.

2017



# Our Workshops

## Summary

Our workshops teach children about solar energy in a **creative and inexpensive** way. Our environmental science education programme is unique in its focus on solar energy, and its multidisciplinary approach, **combining art, science and empathy**. Our activity series complements hands-on interaction with the Little Sun lamps, and empowers learners through encouraging them to creatively and critically engage with the world. Our workshops are available for different ages, from pre-school to middle-school.

## Structure

Our workshops are structured into three parts: **Feel, Act and Know**. The idea is to learn through experience. The front page gives information about the covered subjects, required materials and time. Anyways, there are many ways to vary the structure to adjust them to any needs.

## Outcomes

- Children will develop their artistic and manual skills through hands-on activities.
- They will engage observational, questioning and problem solving skills.
- The workshops help children to develop their environmental and global consciousness.

## Usability

Our workshops are self-explanatory and easy to adjust to different forms of teaching. Neither you nor the children need additional knowledge to use the workshops. Therefore they are suitable to children of any background and ability.

## Possible Utilisation

School classes, kindergarten, preschool, school trips, school festivities, museums, birthday parties, festivals...



INDOOR  
ACTIVITY



FOCUS ON:  
SCIENCE



FOCUS ON:  
ROLE PLAY



REQUIRES A  
LITTLE SUN



OUTDOOR  
ACTIVITY

# Our Workshops

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## **Project 1: The Sun & Solar Energy**

This project brings you on a little adventure outside, where you get the best out of light and dark, feeling the sun on your skin and having fun with shadow play. The activities help you to explore the sun; what it is, the energy it produces and how we can use it through solar energy to create light when we need it most. All you need to set off on project 1 is a set of Little Suns, chalk and a sunny day!

## **Project 2: Darkness & solar light**

Have you thought about how darkness feels? This project is good for a curious mind. Through investigation, students learn to understand the effects of darkness on their senses and how it affects their movement and connection to the world. Delve deep into darkness and find your way out again with solar light. Play with shadow puppetry for a little light-heartedness in the dark. Let's answer the question: where does the sun go when we have night and how can we use sunlight at night? Little Suns, colouring pens, paper and the print-out activity poster are the only tools you'll need for a venture in the dark.

## **Project 3: Living with Darkness**

This project nurtures a sense of global citizenship and empathy. You get plunged into darkness, and are then asked to try and carry out their usual evening activities without a reliable source of light. Through case studies, and first-hand experience of the challenges of living without electricity, children learn to understand and empathise with the situation of someone living beyond the electrical grid. Minimal equipment is needed for this project, just a little imagination, and an open heart!

## **Project 4: Renewable and Non-Renewable Energies**

Explore the difference between renewable and non-renewable forms of energy in a creative and cost friendly way. Requiring very minimal resources, you are provided with a printable poster and a story worksheet, so you're all set to spark the kids' imaginations, as they draw and write about their super solar powered future!

# Our Workshops

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## **Project 5: What's inside a Little Sun lamp?**

Curious about the parts that power solar? Let's open up your Little Sun lamp and have a look at the tech magic inside! This project explores how solar energy systems work through a hands-on investigation of your Little Sun. You simply need a Little Sun, Tx9 screwdriver and the provided printable project poster. This project is great for little tech explorers, and super for science classes.

# Our Factsheets

## Summary

Our carefully compiled factsheets are designed to complement science, ethic and health classes or workshops. The selected topics all relate to the SDGs influenced by the Little Sun Foundation, such as quality education, gender equality and affordable and clean energy.

## Structure

Our factsheets provide knowledge acquired by Little Sun's longtime work within the humanitarian field. Thus the factsheets rely on theoretical and practical information, rendered in a simple form supported by visuals.

## Outcomes

- Children will gain knowledge about global issues.
- This knowledge will help them develop a global consciousness.

## Usability

Our factsheets not only complement classes or workshops, but are designed to inform any person interested in global issues such as energy access, environment and renewable energy.



# Our Factsheets

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## **Energy Access for Refugees**

Food, water and shelter are the basic provisions needed by refugees in emergency situations, but what is often overlooked is that access to energy is also extremely necessary for survival. Let's explore why...

## **Kerosene**

Energy is central to social and economic well-being, yet 1 in 7 people live without access to electricity. This means that families have to rely on other ways to light their homes and cook their food, and the alternatives tend to be damaging to themselves and to the environment. This factsheet aims to inform people about the most widely used lighting fuel, kerosene; its properties, uses, and the health, economic and environmental detriments.

# FAQ

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**Who is creating the content of the education material?**

The Little Sun Family has been working in the solar power and humanitarian field for many years. This way we've been able to gain a lot of knowledge about energy poverty, solar power and to see first hand the many dangers of kerosene. We've created these workshops with this knowledge, but also with further insight from our partners and our own additional research.

**Do I need to buy a Little Sun solar lamp to perform the workshops?**

Some workshops recommend using a Little Sun lamp, but this is only a recommendation. Please feel free to decide on your own if you want to use a solar lamp at all, show a video for visualisation or draw pictures to explore the topic. We do not want to interfere with your creative ways of bringing knowledge about solar power to your class!

**Do the workshops build upon each other?**

You do not need background knowledge to perform the workshops properly. The workshops are self-explanatory and can be done independently from one another. At times it may be helpful to prepare children for serious issues to avoid confusion.

**I have a problem with the content. Who can I contact to share my doubts?**

We are all human beings, we all make mistakes. Since we really want learn from them, we would appreciate you e-mailing us at [info@littlesunfoundation.org](mailto:info@littlesunfoundation.org). Thank you!

**Can I book someone from Little Sun to perform the workshop(s) at my event?**

As a registered foundation we are not allowed to sell products or services. We are also reliant on volunteers to work with us. To check our capacities and/or ask for help planning an event, please write to us at [info@littlesunfoundation.org](mailto:info@littlesunfoundation.org).

# Contact us!

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**If you have questions about our education programme or about the Little Sun Foundation, please feel free to contact us:**

**E-mail:** [info@littlesunfoundation.org](mailto:info@littlesunfoundation.org)

Furthermore, we created a survey to get feedback on our education material. If you'd like to share your thoughts on the workshops and / or factsheets with us, please find the survey on [www.littlesunfoundation.org/education](http://www.littlesunfoundation.org/education).