

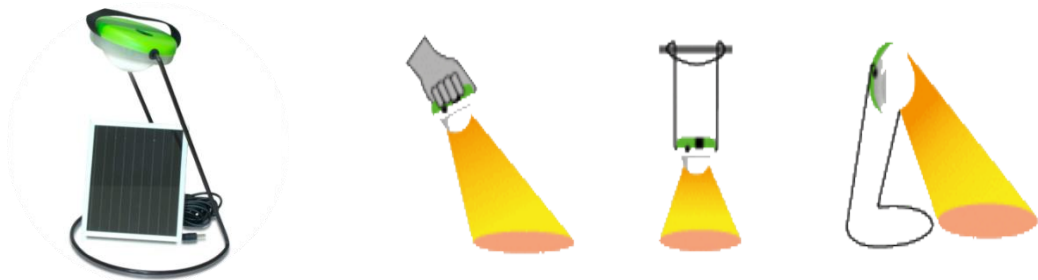
About Edu-Light

Edu-Light is an initiative powered by **GreenVille Solutions** (www.gvsnam.biz) that aims to **provide solar lights** (Sun King Eco) to learners/students living in **informal settlements and rural areas** who do not have access to electricity and use paraffin and candles for lighting.

GreenVille Solutions works with schools to run surveys and identify the learners in need, raise sponsorship from corporations so the lights are provided to the learners for free to enable them to study with a brighter light with longer runtime in a safer environment.

Our objective is to **increase their productivity** at night to **improve** their school performance .

The Sun King Eco is an award-winning solar light from the American based company **Greenlight Planet** and can be used as a study light. It is **2 times brighter than a paraffin lamp**, offers adjustable brightness settings and after a single sunny day of charging, it shines for 4 hours in its brightest mode or for over 30 hours on its low-brightness setting. It has a 5 year lifespan and comes with a stand and a detachable solar panel and a five-meter cable. It boasts a multifunctional format: it can be used as normal torches (hand carry), desk lamps or be hanged like bulbs



Partnership with NamibMills

NamibMills is the Founding Sponsor of the Edu-Light initiative and will be donating the solar lights for the next three years to identified schools nationwide.

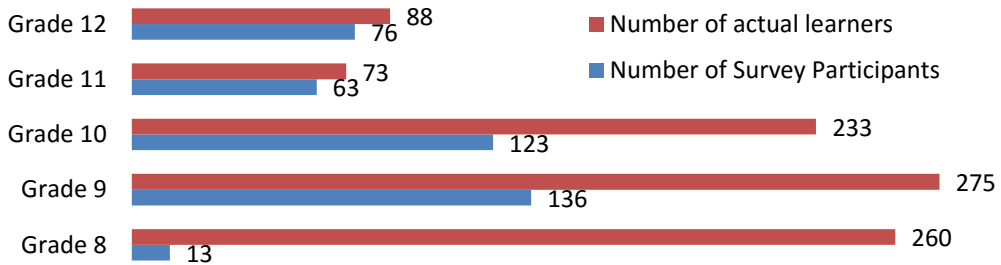
Our pilot school

Our Pilot School for this project is **Immanuel Shifidi Secondary School**.

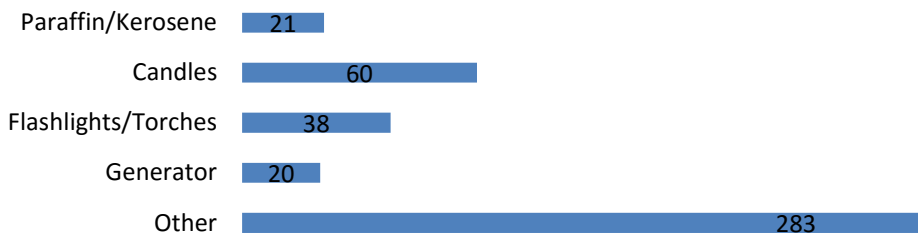
From the beginning of next year we will be working with the most proactive schools believing in the project regardless of which region they are in.

General Survey Results

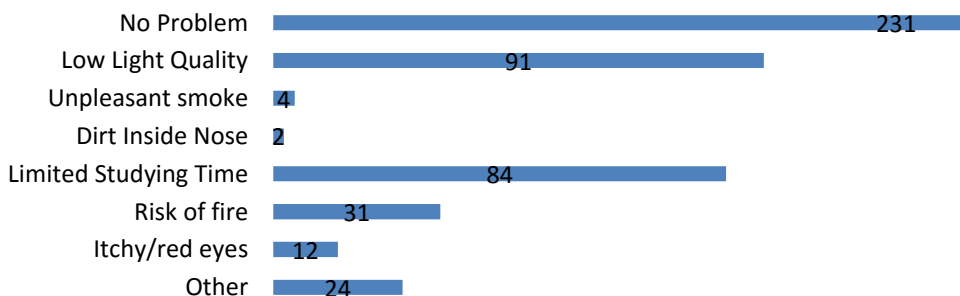
Only relevant to the learners not having electricity at home, Immanuel Shifidi decided to hand in questionnaires to all learners to fill in not to single out our target group. Only 5% of grade 8 filled in the survey, 49% of Grade 9 and 52% of Grade 10 but 86% of Grade 11 and 12 fill in the questionnaires.



Out of the 411 survey participants, about 35% do not have direct electricity at home and rely on paraffin/kerosene, candles, flashlights, solar panels or generators as source of lighting



When asked about what issues they experience with their lighting systems, 22% experience Low Light Quality, 20% complain about the limited studying time and 7% complain about the risk of fire

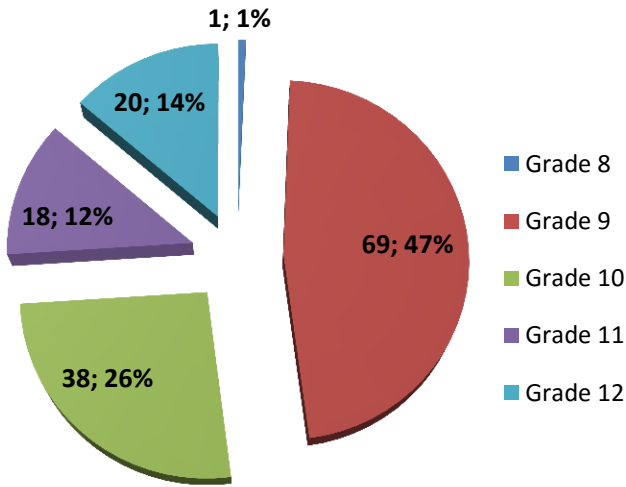


On average, one learner lives with **6 other people** in which 2 are either learners and/or students

For more in-depth results, go to bit.ly/IshifidiGeneral

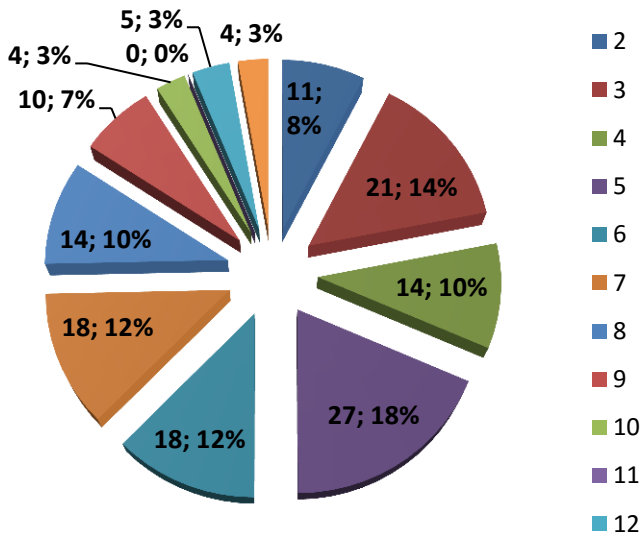
Target Group Survey Results

Going through all questionnaires, we have singled out **146 learners**.

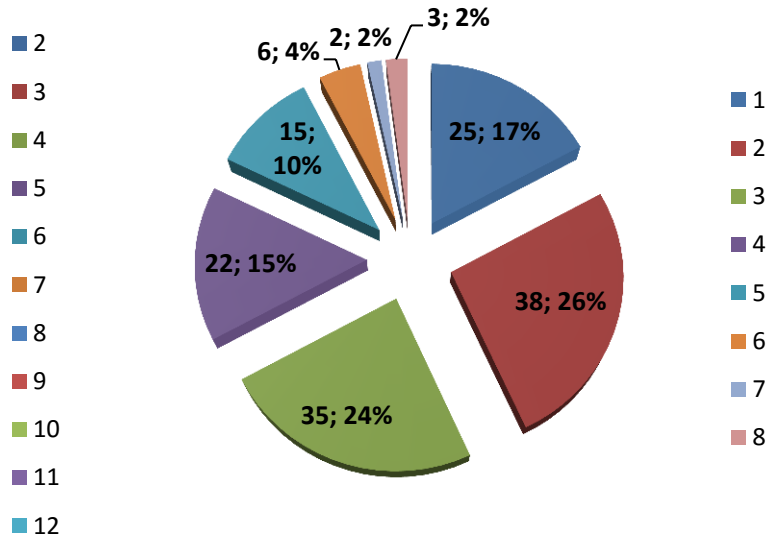


Of those , **60 use candles** as main source of lighting, **30 use flashlights** and **20 use paraffin**. We have also included 8 learners that use solar panels, 9 that use generators and 19 that use electricity because they complained about low light quality, how limited they use it because it is costly (generator and electricity) or because the solar system runs for less than 6 hours a day.

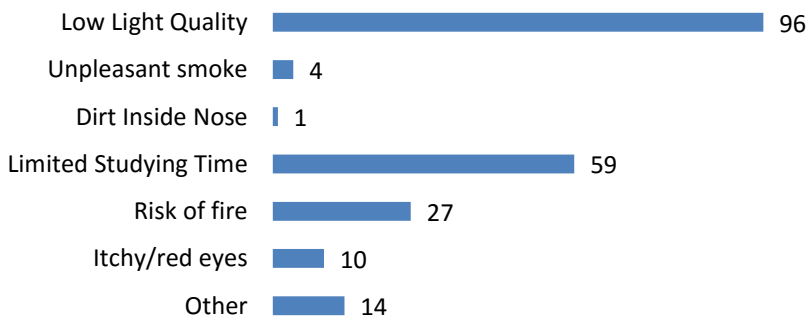
How many people do you live with



How many are learners/students



28% of them live in Okahandja Park, 17% in Okuryangava, 9% in Babylon and 20% in Havana, Kilimanjaro, Havana and Damara Location (5% each). 65% of them complain about low light quality, 40% about the limited studying time and 19% about the risk of fire.



For more in-depth results, go to bit.ly/IShifidiSurvey

Lights To Be Provided

Considering the number of learners/students the 146 selected learners live with, we have estimated **227 solar lanterns** using the table below.

| | | Number of lights provided | | | |
|---|-----|---------------------------|-------------|----------|---------------------------------|
| | | Candles | Flashlights | Paraffin | Generator/ Electricity/Solar |
| How many learners/ students do you live with | 1 | 1 | 1 | 1 | 1 |
| | 2-3 | 2 | 2 | 2 | 1 |
| | 4-5 | 3 | 3 | 3 | 2 |
| | 6-7 | 3 | 3 | 3 | 3 |

We requested to provide an **extra 83 lights** because only **5% of the Grade 8** took part in the survey. The Life skills teacher will be responsible for adequately distributing it to those who really need them.

That's how we have come with the estimated number of 300 solar lights for Immanuel Shifidi Secondary School

Estimated Impact

Providing 300 solar lights to Immanuel Shifidi school will **directly impact** about **550 learners** and students in **200 households** and an extra **750 people** if we consider the other people they live with that are not learners/students.

This will lead to:

- 550 learners and students being able to study longer at night and have a chance to improve their education
- 200 households saving up on energy and investing it in other expenses
- Reduction of indoor air pollution, risk of fire and carbon emissions

Contact Us

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GreenVille Solutions (GVS) is a start-up that creates awareness on solar energy and provides affordable, portable, high quality solar lights and phone chargers to eradicate the use of paraffin and candles as means of lighting.

We are a team of three people aiming to play a part in achieving the United Nations Sustainable Development goals; namely:

1. Ensure access to affordable, reliable, sustainable and modern energy for all
2. Ensure healthy lives and promote well-being for all at all ages

