



PRODUCT FEATURES

StudentBuddy is a complex and powerful solar system, designed to be programmed and assembled, incorporating USB charging capabilities.

The following pages will provide detail of the design and its features.

Solar Panel

All aluminium parts 100% recyclable
100% repairable design
Lockable stand for floor or roof mounting
Cable management feature
Compact and lightweight design



Solar Light

- All aluminium parts 100% recyclable
- 100% repairable design
- Rugged and sustainably designed
- Rechargeable
- Power pack storage capabilities
- Enclosure rating to IP54
- Materials UV stable for up to 5 years in full sun

Torch

Output: 150 lumens Battery Life: up to 5 hours

Connections

Input: DC input to charge light from the panel Output: 5V output for 2 USB charging ports

10 Warm LEDs

High Mode: 240 lumens Battery Life: up to 5 hours Low Mode: 50 lumens Battery Life: up to 46 hours

Battery 3.7V Lithium Battery Capacity: 3000mAh

SOLAR 🔆 BUDDY

Recycled Paper Pulp Tray

Fits both the StudentBuddy light and solar panel kit

Solar Light Components on the left

> Solar Panel Components on the right







Allen Key Set







SECURES BOTH ENDS OF THE LIGHTS TO THE METAL CASING

A x4





CONNECTS THE ARMS OF THE STAND B x4







PART 1 Solar Light Instructions

5





The battery container you receive is provided in the tray with 2 pieces. Once the battery install is complete these will be put back together to secure the battery.

6



Remove the cap from the battery container but keep it close by. You will need it shortly.















TEST YOUR LIGHT NOW!

FINAL LIGHT



PART 2 Solar Panel Instructions

Use this as a guide to make sure the panel can slide into the grooves and the corners are facing the right way. You may find it useful to lay the pieces of the panel out like this before starting to build the frame.



FOR THIS STEP YOU'LL NEED







FOR THIS STEP YOU'LL NEED Envelope B B 2253 K Bx4 6 Take note of the logo when installing the middle piece so that it isn't upside down when the stand is complete 0

FOR THIS STEP YOU'LL NEED



8

This step is made easier by collaborating! Work with a buddy - one to hold the stand and panel in place whilst the other installs the black shoulder piece. If you hold it up with the long piece on the table, it is much easier to keep it steady Don't forget to install the nut at the back of this hex screw





FINAL SOLAR PANEL

This panel's job is to charge the light to illuminate futures

CONGRATULATIONS!

You've completed the StudentBuddy Program! Share your builds with us #solarbuddy

@solar_buddy



🗑 @solarbuddy.org



🕅 @solarbuddyaustralia 🕟 @SolarBuddy





LetterBuddy Program Because words have power

You are already transforming lives with light, and now you can send a letter of encouragement to a child who will receive this gift.

Words have power and this is a wonderful way for you to convey a message that otherwise may never be heard.

Your letter will be treasured and reread many times, as this is often the most formal communication the children have ever seen.

Ready to connect direct with your buddy?

Letter writing guide:

- Use pen instead of pencil to avoid smudging
- Write clearly and use simple language so that English learners are encouraged to understand your message
- Include some unique details about yourself like what sport or hobbies you enjoy, or how many family members or pets you have. Leave out personal details such as your address, surname, phone number or social media details
- Write at least half a page as students who receive one sentence may feel left out

- Be creative! You are welcome to include colourful designs and drawings but please don't include inappropriate images
- Please refrain from religious references as we can't know whether the person receiving your letter is a part of a particular faith
- Be positive! Your perception of their difficulties might be different to theirs
- Have fun! The light you have built will have a lasting positive impact

Letter example:

My name is Grace and | am so happy to be able to gift you this light! | am excited to see what you achieve by using this light!

| live in a city called Brisbane in Australia.

| like playing football after getting back from school. | have a little pet dog who is four years old. | play games with her all the time. | built this light for you with my classmates because | want you to be able to study at night, just like | do.

When | grow up, | want to be a doctor. | hope you achieve everything you want!

What kind of message would you like to receive?

Think about who is receiving your letter and how special this piece of paper is to these children!

Lots of Love, Grace.