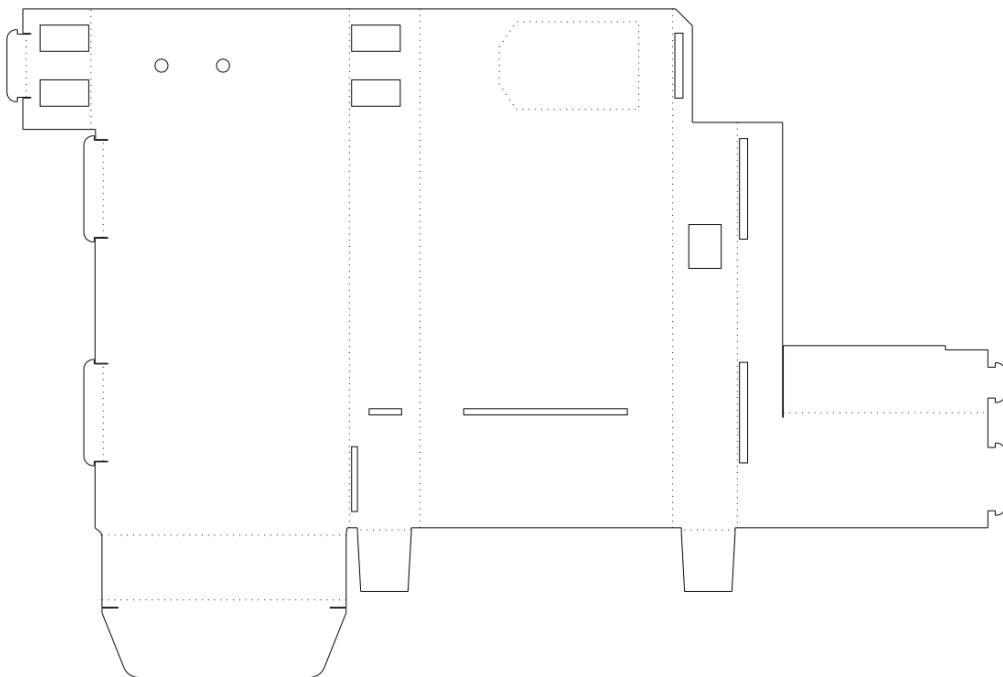


**Mykroscope**  
LEARNING TOGETHER

# Mykroscope Build Component

- 1 Laser-cut cardboard ( 1.5mm )

Refer to GitHub : Laser cut files/Cardboard(1.5mm)



- 2 Laser-cut transparent acrylic ( 2mm )

Refer to Github : Laser cut files/SlideHolder ( 2mm )



- 3 Rocket switch ( 15 \* 10 mm )

- 4 AA battery holder

- 5 LED light panel ( 37 \* 26 \* 2.3 mm )

- 6 Magnifying lens + Holder

- 7 AA batteries x 2

- 8 JST connector female & male ( optional )

- 9 Cable Tie x2



**Mykroscope**

Emerging as champion of the Young Innovators Challenge 2017 (YIC) has enabled Sekolah Agama Menengah Jeram to turn their idea into reality. Their idea, the Mykroscope, is the pairing of a portable microscope with a smartphone. Mykroscope allows students to capture their discoveries on their mobile phones and share them with others around the world. With Mykroscope, students are no longer bound by the confines of their classrooms; the world is now their classroom.

[www.mykroscope.com](http://www.mykroscope.com)

#### Inventors

- Nor Asikin binti Zulkifli
- Ainurania Azzahra binti Zulkifli
- Nur Anis binti Suratiman

#### Teacher Advisor

- Pn. Sabariah binti Hussein

#### Mentor

- Muhammad Amir Zahidin bin Zainal Abidin

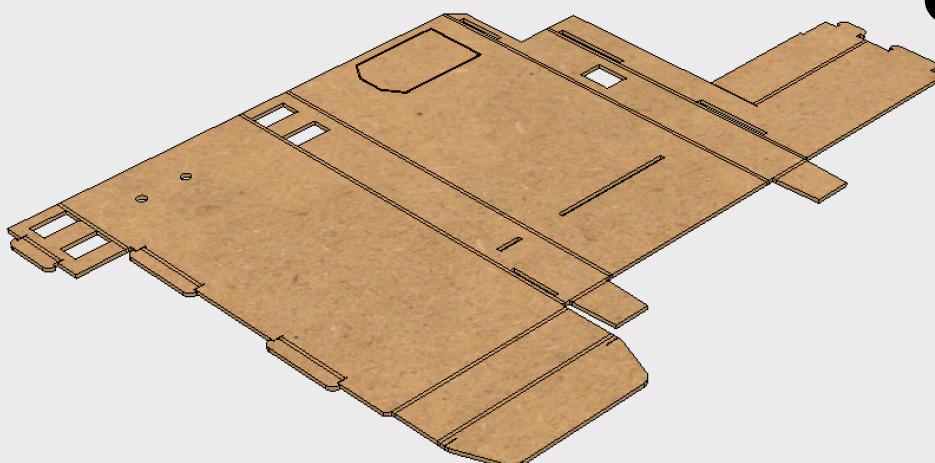
#### Student of



SAM Jeram

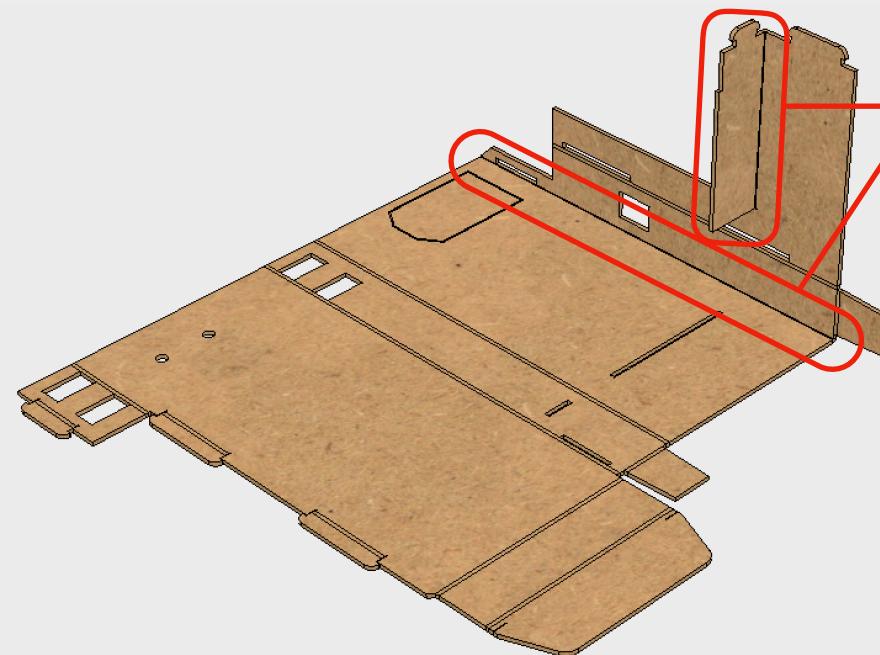
Managed by  
**chmbaka**

# Mykroscope Manual



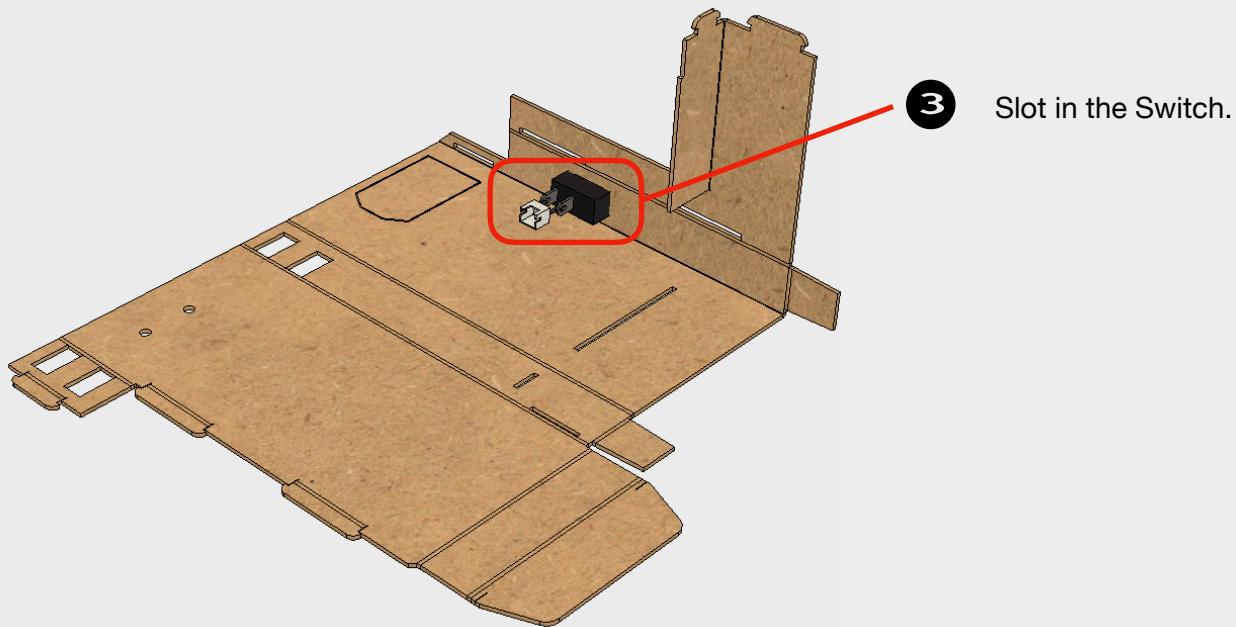
1

Orientate and place the Mykroscope as shown on a flat table.

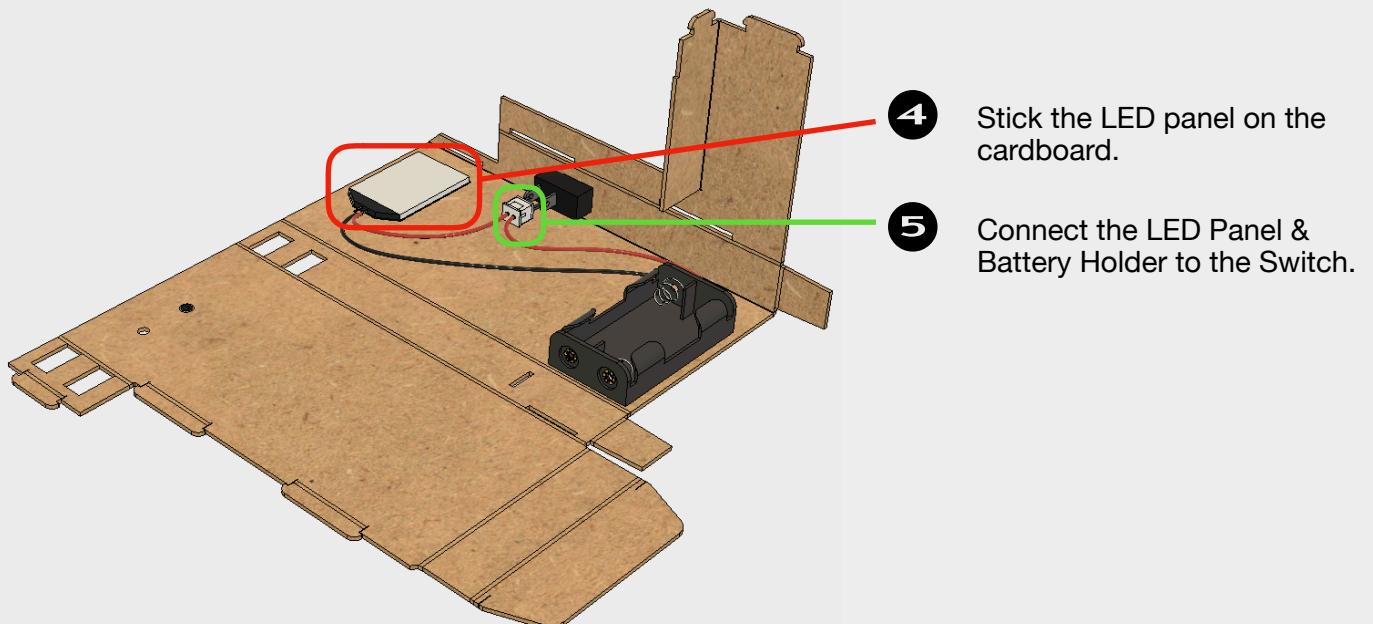


2

Fold the Mykroscope.

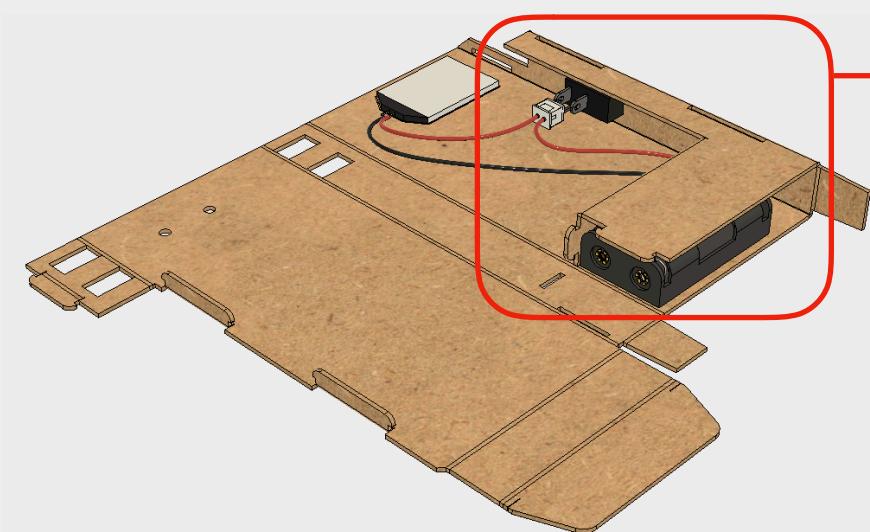


**3** Slot in the Switch.

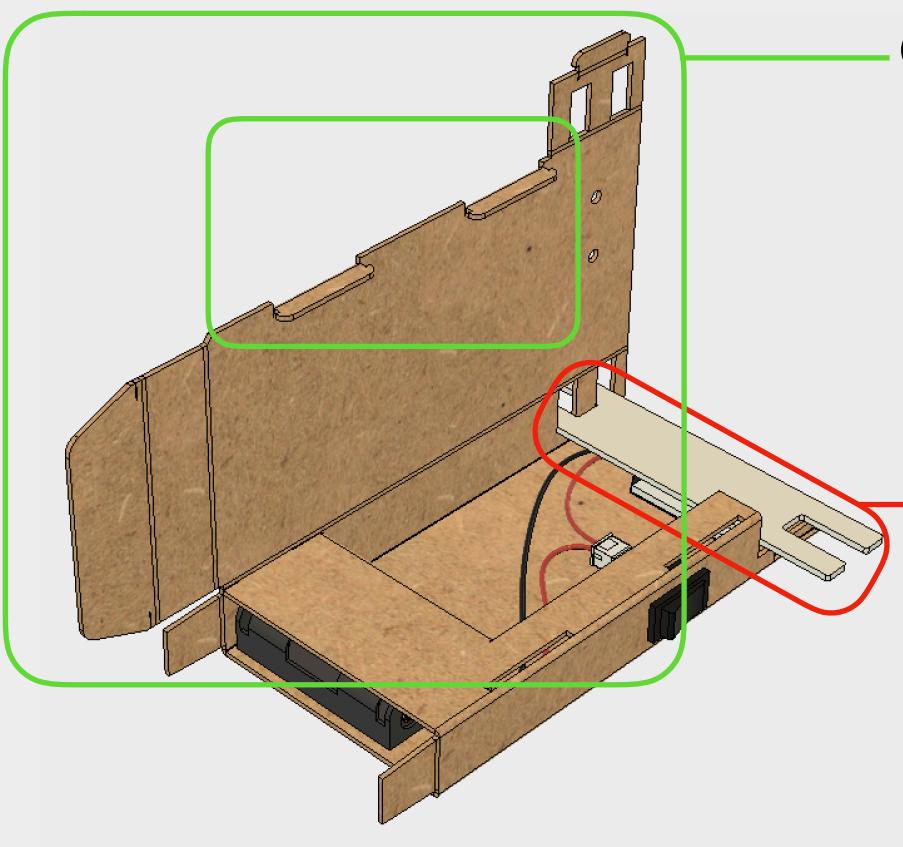


**4** Stick the LED panel on the cardboard.

**5** Connect the LED Panel & Battery Holder to the Switch.



6 Fold the Mykroscope.



7 Fold the Mykroscope.

8 Insert the Acrylic.

#### Inventors

- Nor Asikin binti Zulkifli
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#### Teacher Advisor

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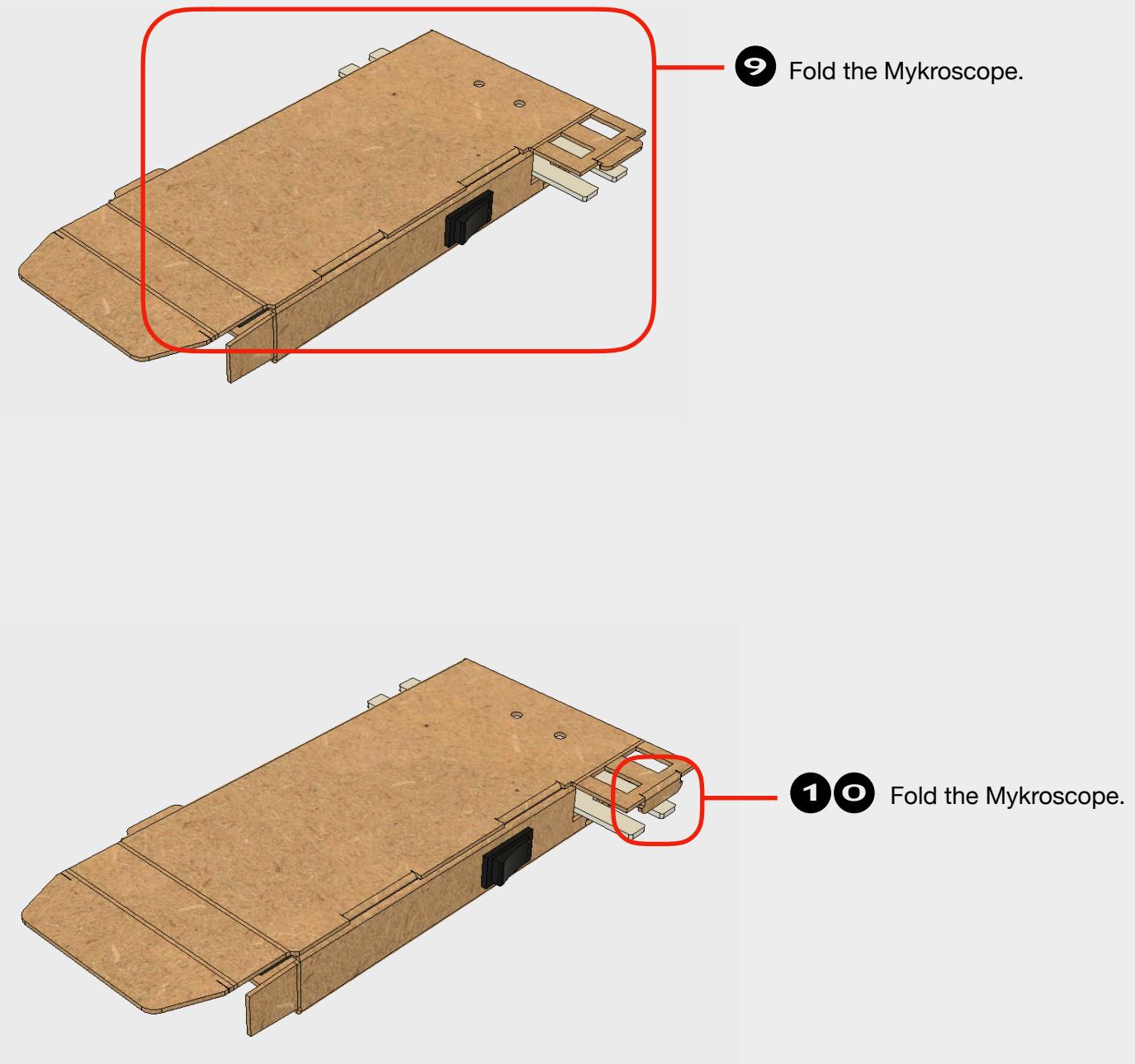
#### Mentor

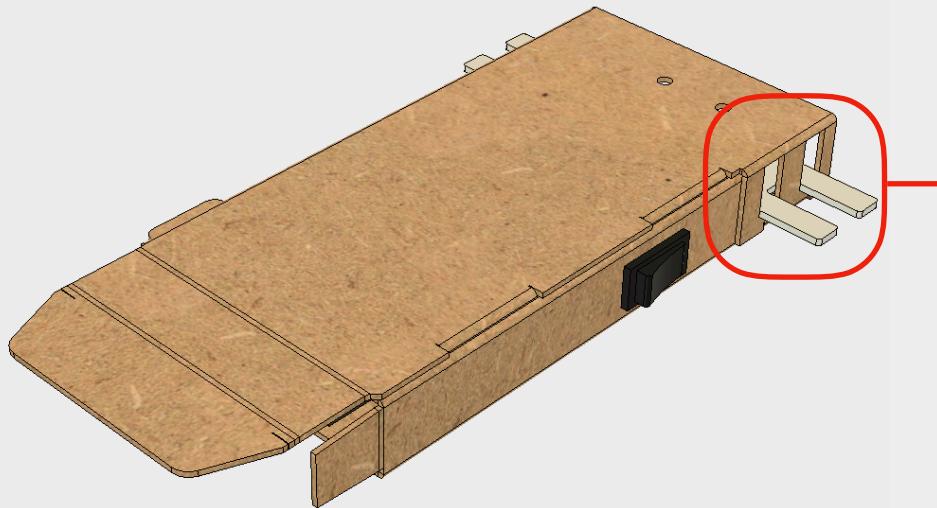
- Muhammad Amir Zahidin bin Zainal Abidin

#### Student of

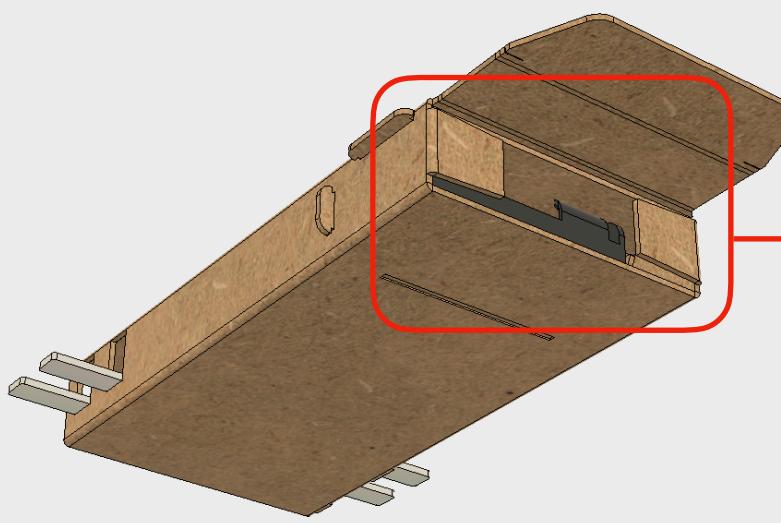


SAM Jeram

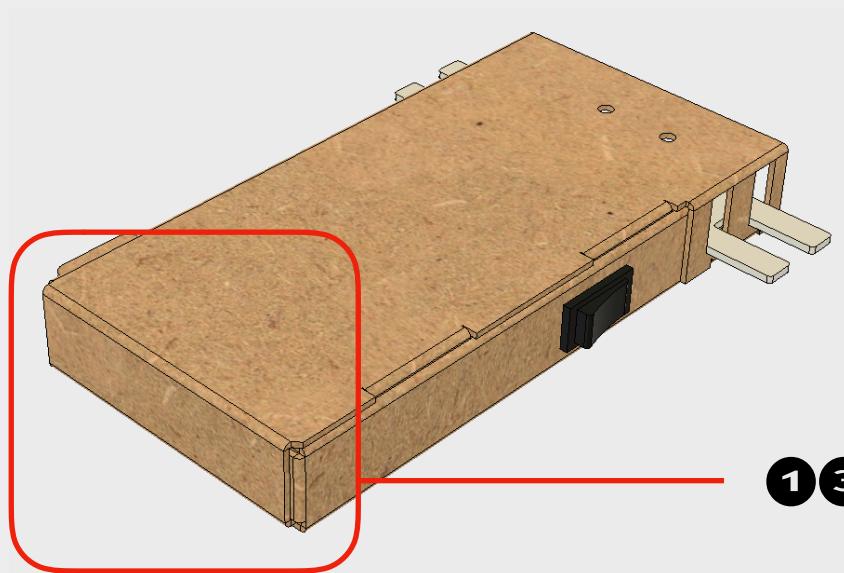




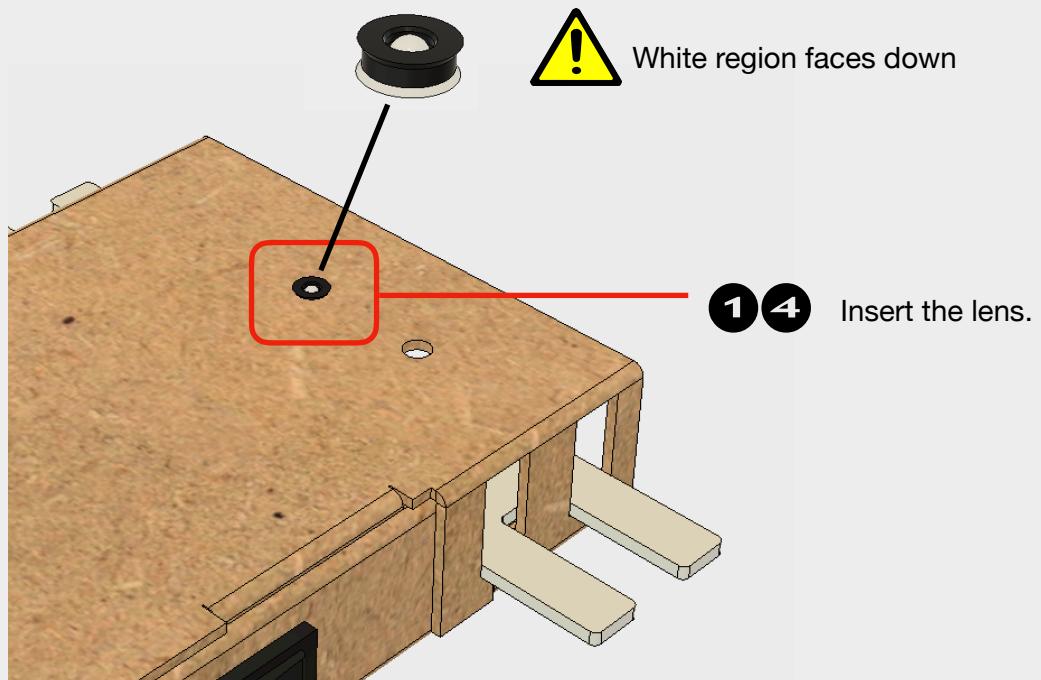
1 1 Fold the Mykroscope.



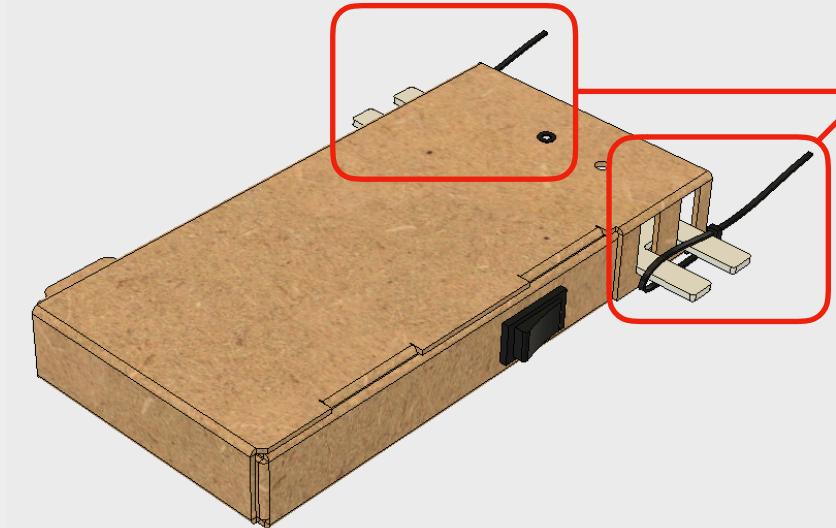
1 2 Fold the Mykroscope.



**1 3** Fold the Mykroscope.

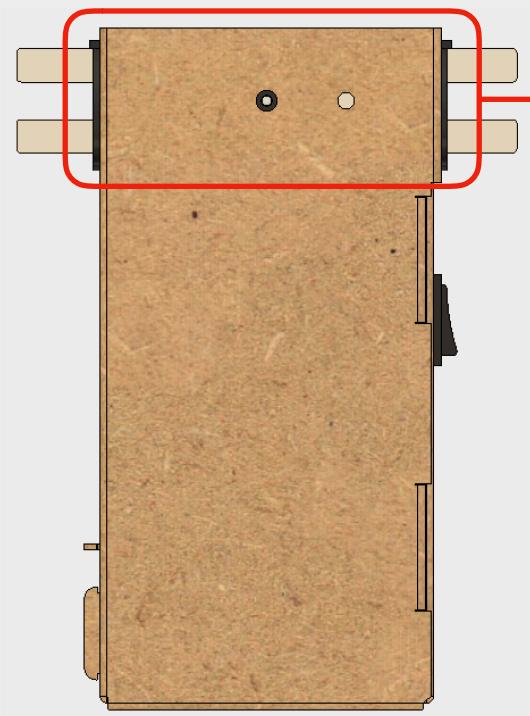


**1 4** Insert the lens.



1 5

Tighten the Cable Tie around the Acrylic handle then cut the excessive end (Both sides).



1 6

Push the Cable Tie close to the Mykroscope to hold the Acrylic.