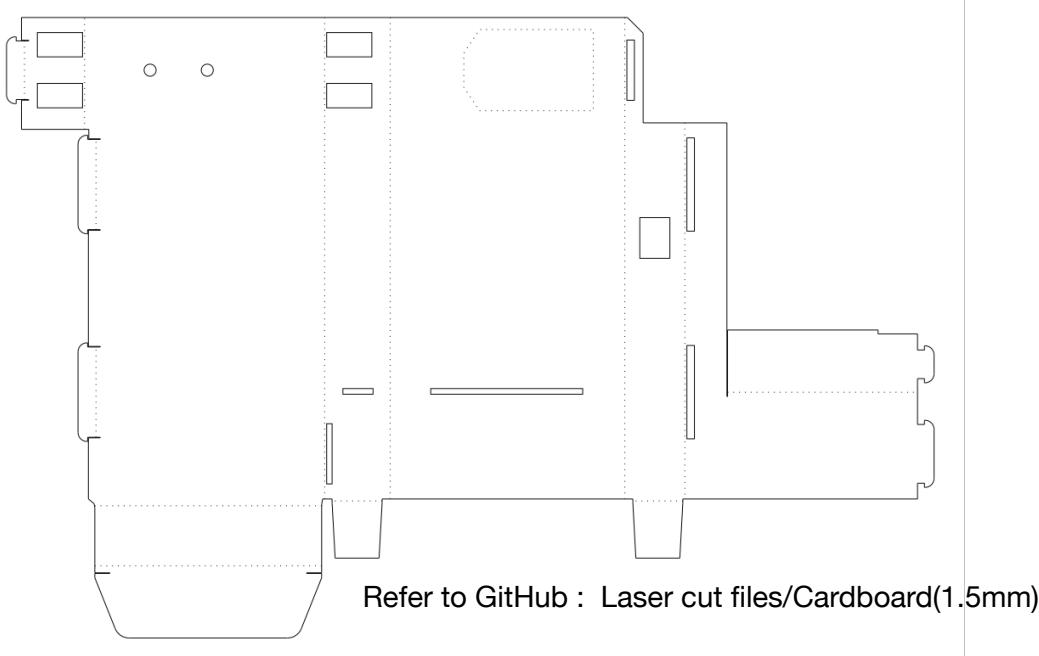


Mykroscope
LEARNING TOGETHER

Mykroscope Build Component

1 Laser-cut 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

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

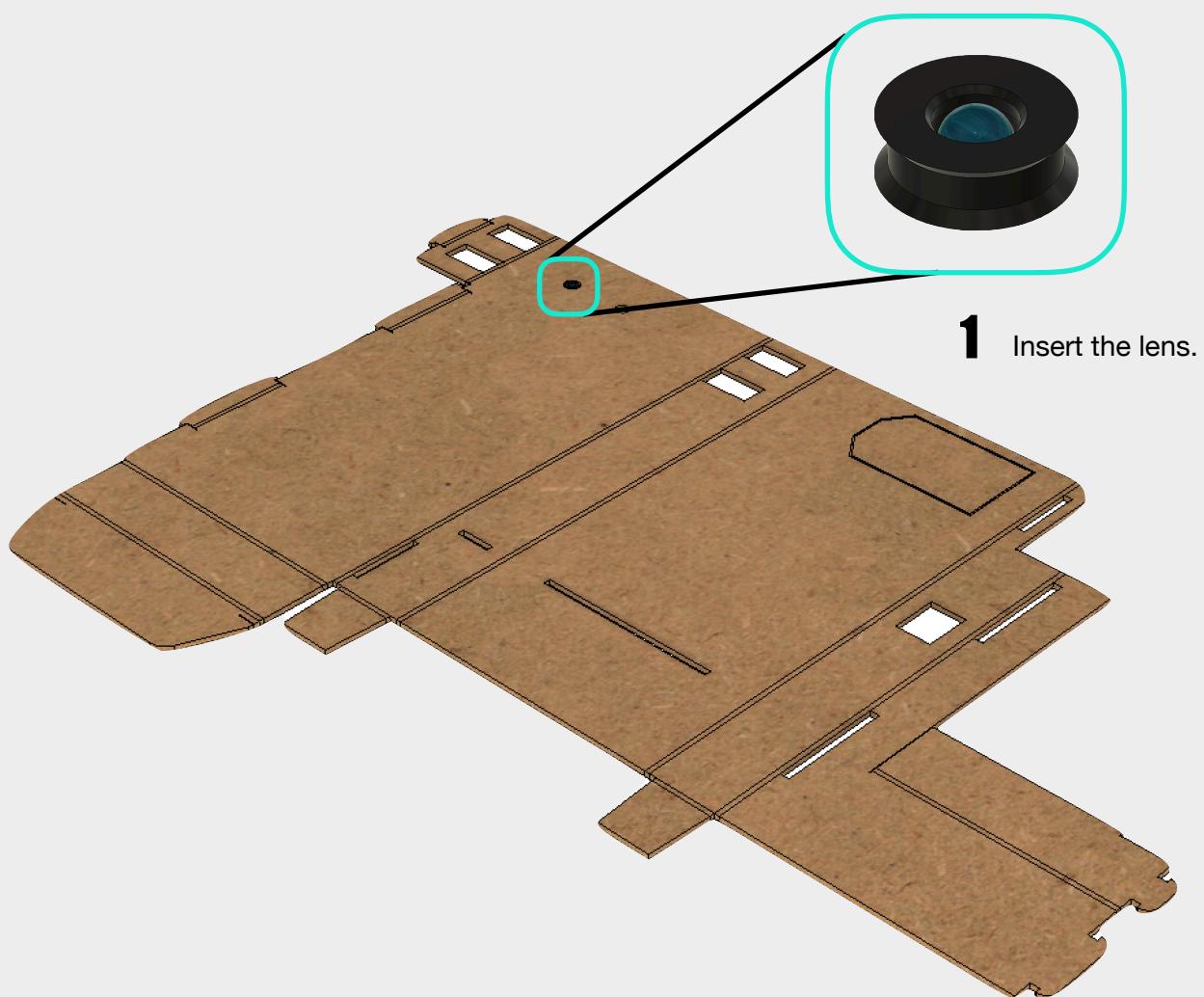
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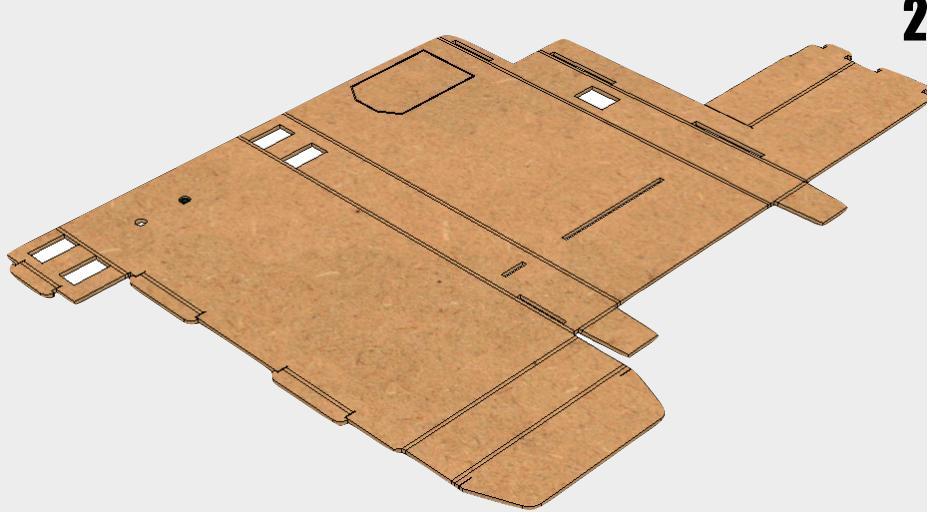


SAM Jeram

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chmbaka

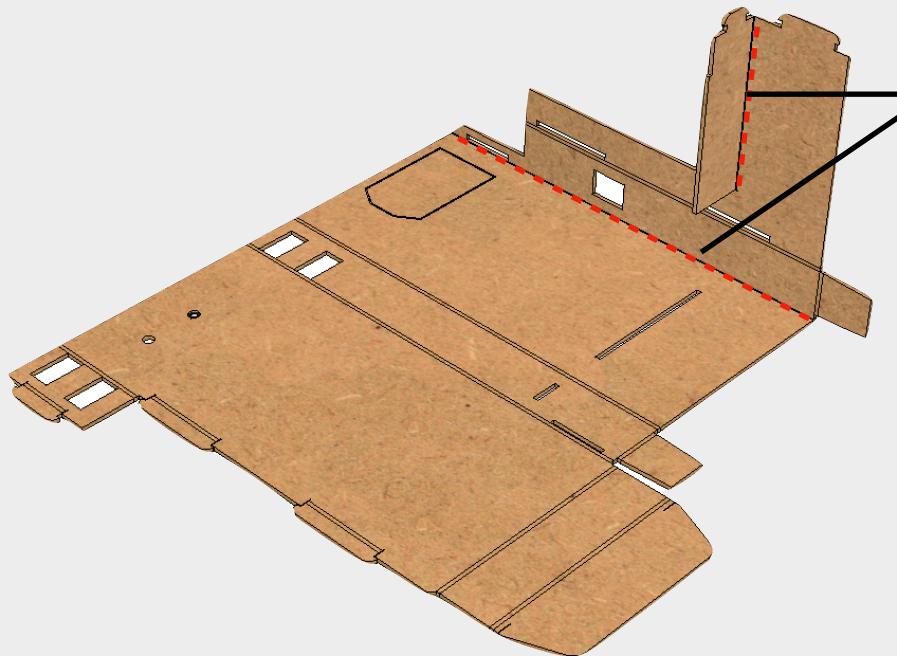
Mykroscope Manual





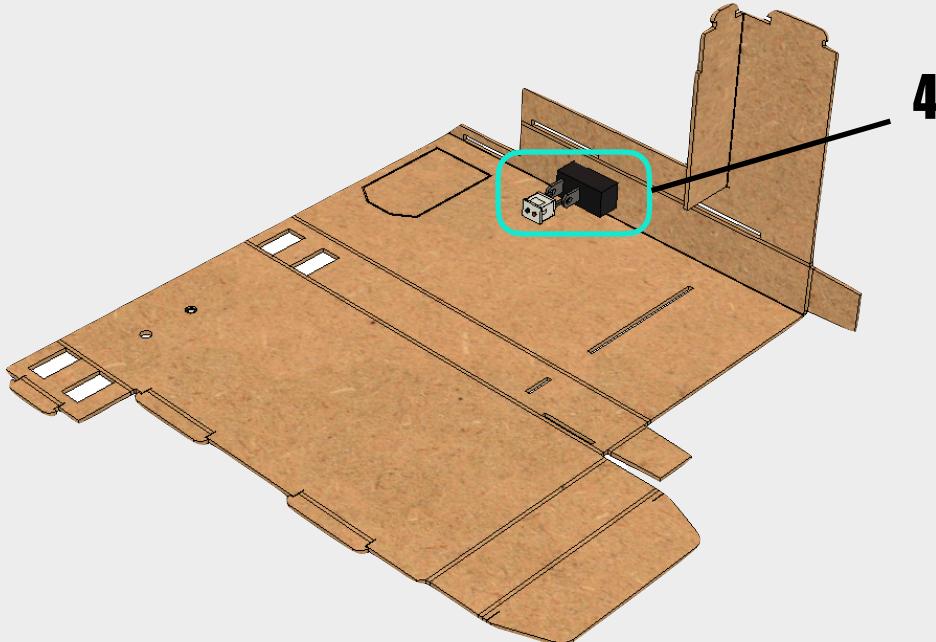
2

Oriентate and place the Cardboard as shown on a flat table.



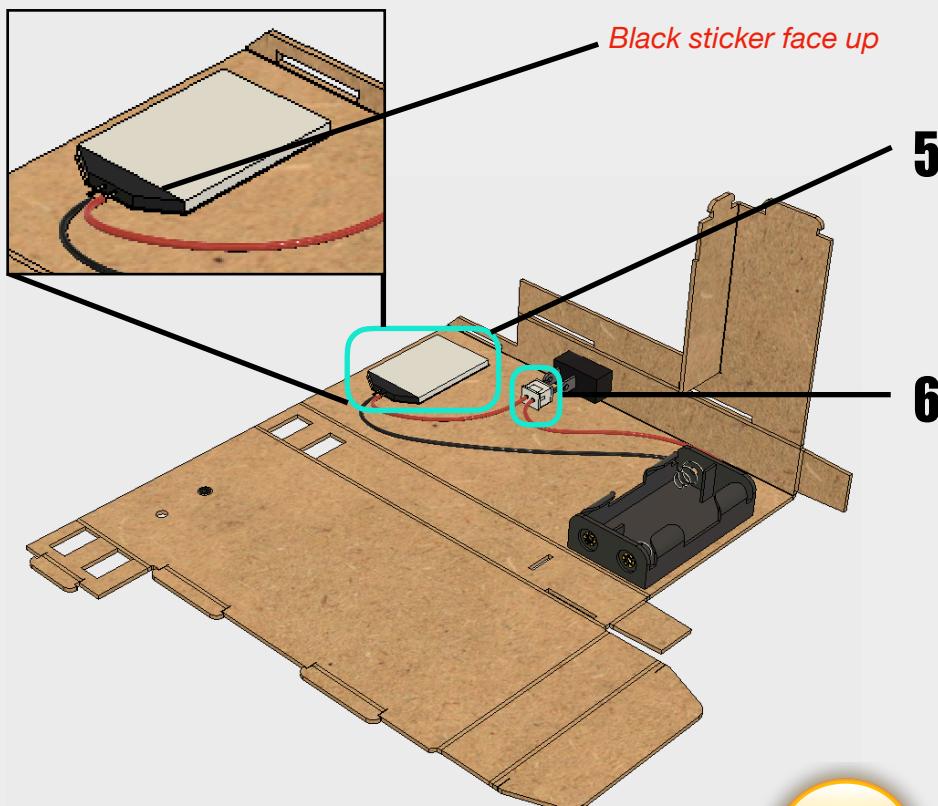
3

Fold the Cardboard.



Slot in the Switch.

To Turn on and off the LED panel on Mykroscope



Stick the LED panel on the cardboard.

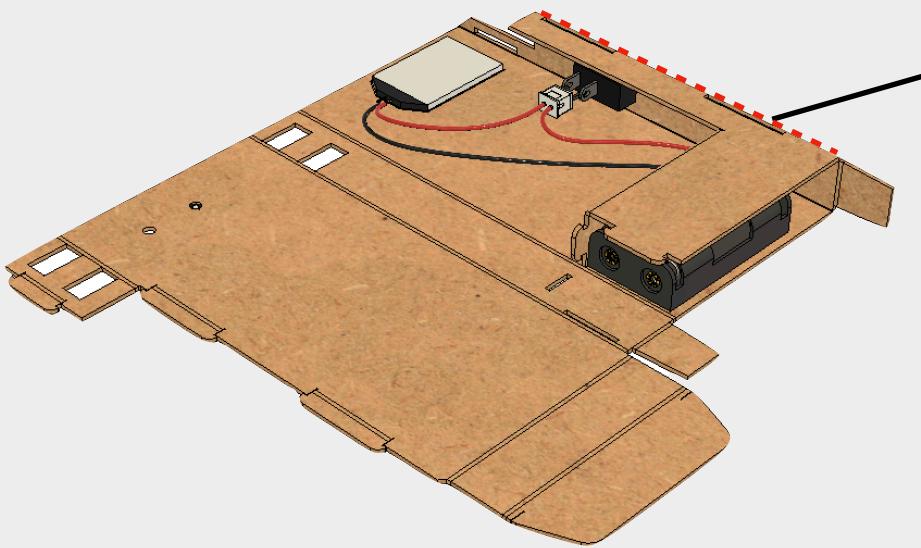
LED panel provides backlight to the cell piece glass slide

6 Connect the LED Panel & Battery Holder to the Switch.

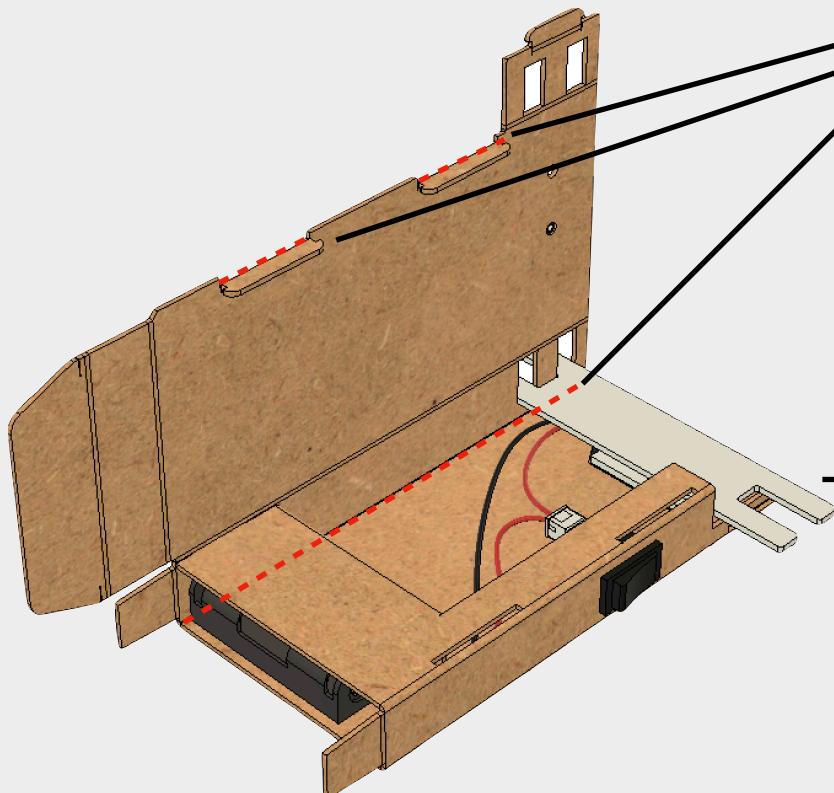
Battery Holder holds 2 AA batteries to supply power to the LED panel



Insert battery, then turn on the Led panel to make sure it's working.



7 Fold the Cardboard.



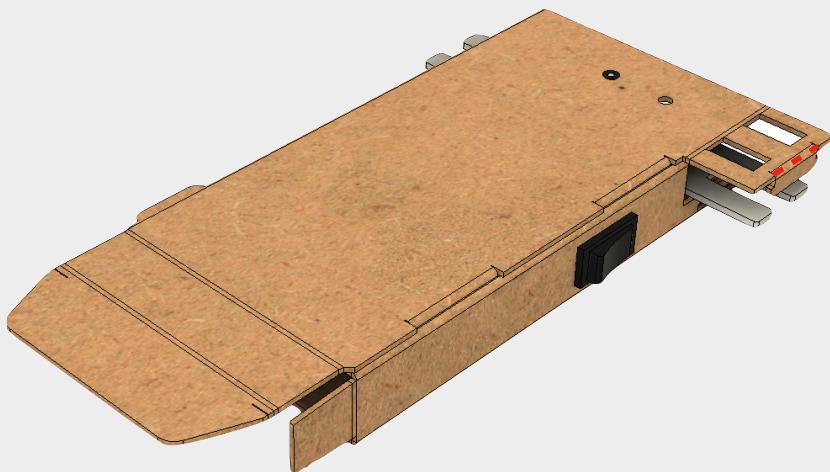
8 Fold the Cardboard.

9 Insert the Acrylic.

Acrylic act as the levelling platform and allow the cell piece glass slide to sit on it.



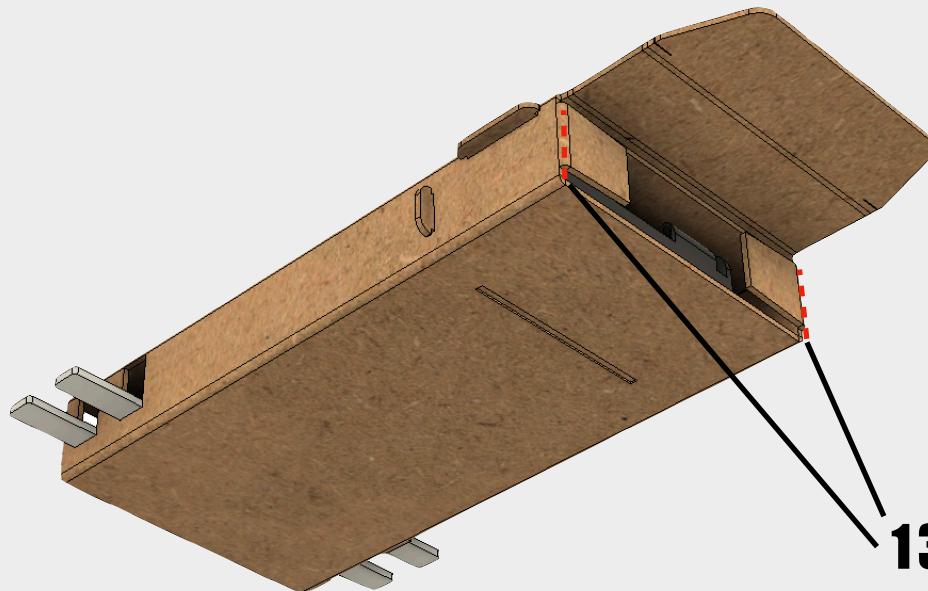
10 Fold the Cardboard.



11 Fold the Cardboard.



12 Fold the Cardboard.



13 Fold the Cardboard.

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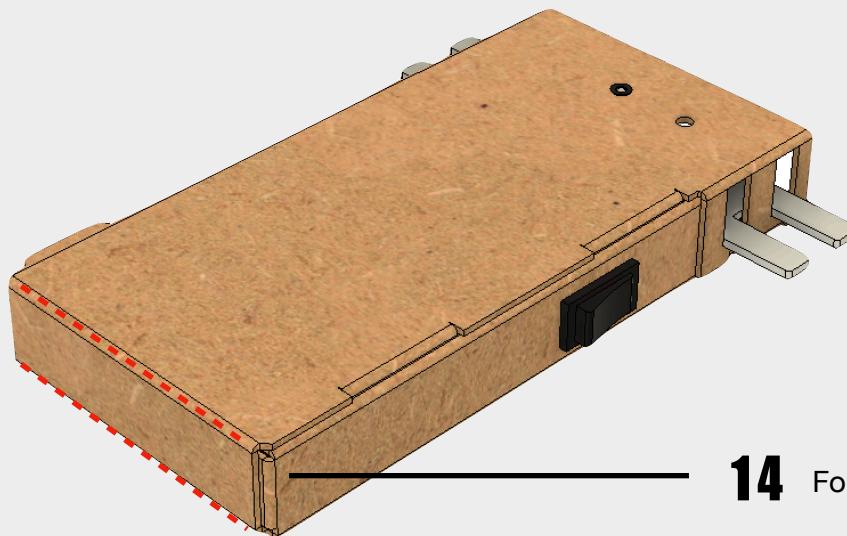
Student of



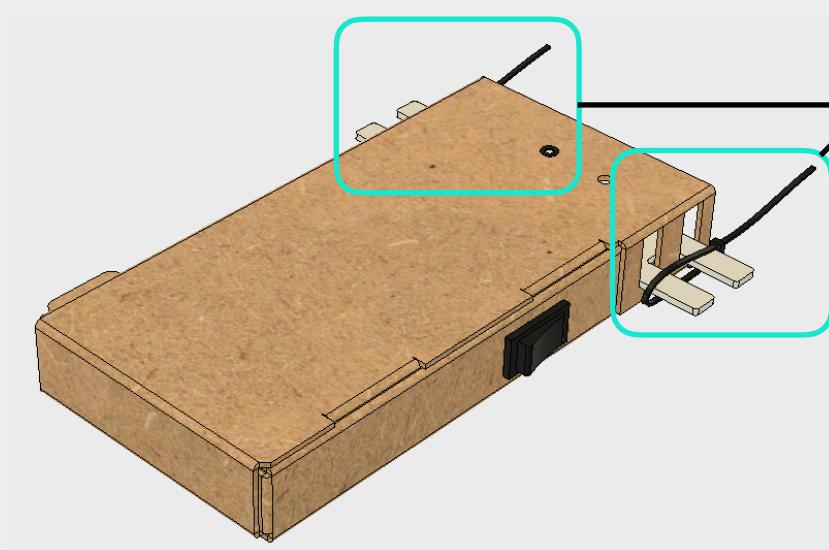
SAM Jeram

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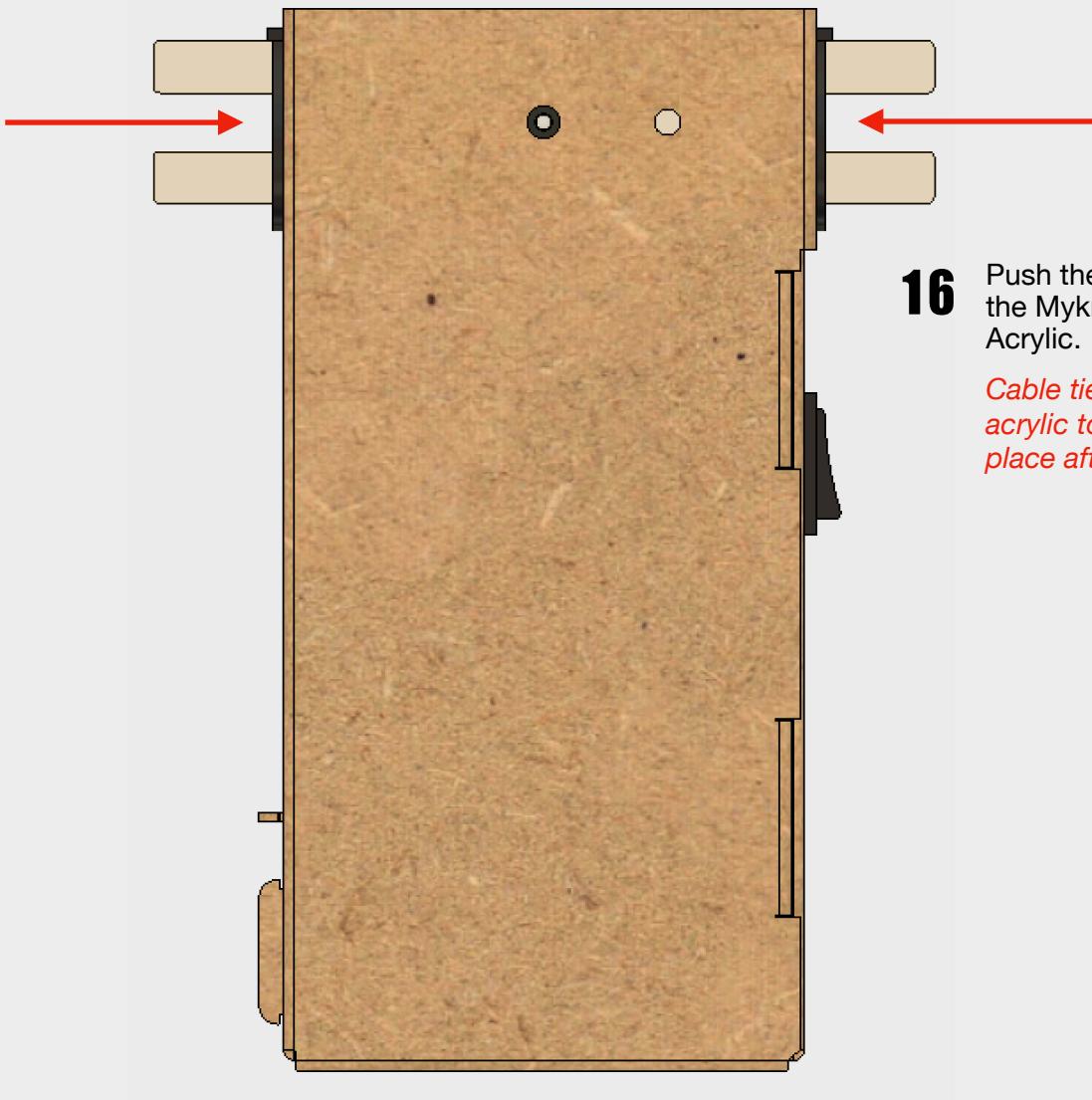


14 Fold the Cardboard.



15

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



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

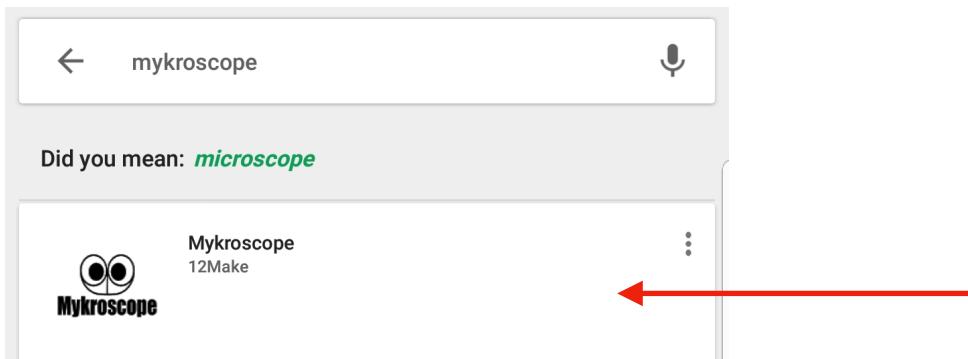
Cable tie tighten the acrylic to maintain it in place after levelled.

Mykroscope Apps



Google Play

Download the Mykroscope application on
google play store



Continue with Facebook

Login with Facebook account, this will be linking to your facebook app on your phone, if you don't have facebook app, it will direct you to facebook login page

Innovation
Platform

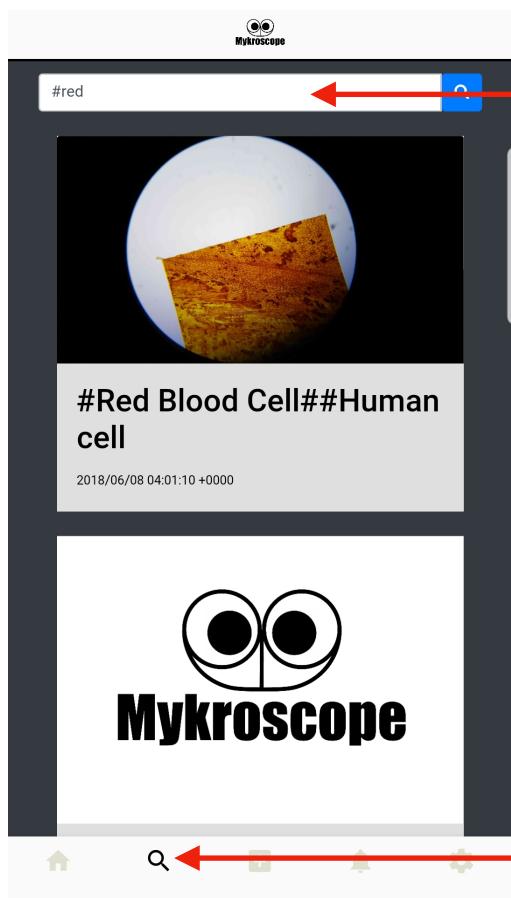
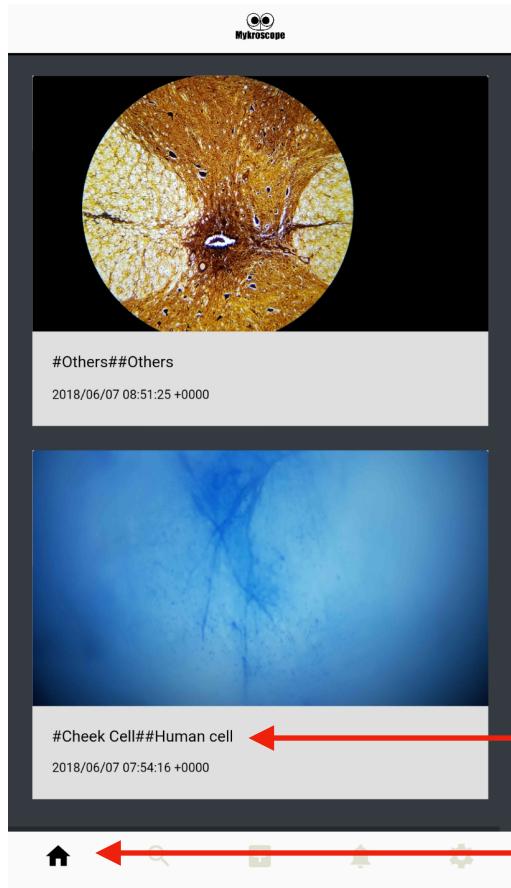
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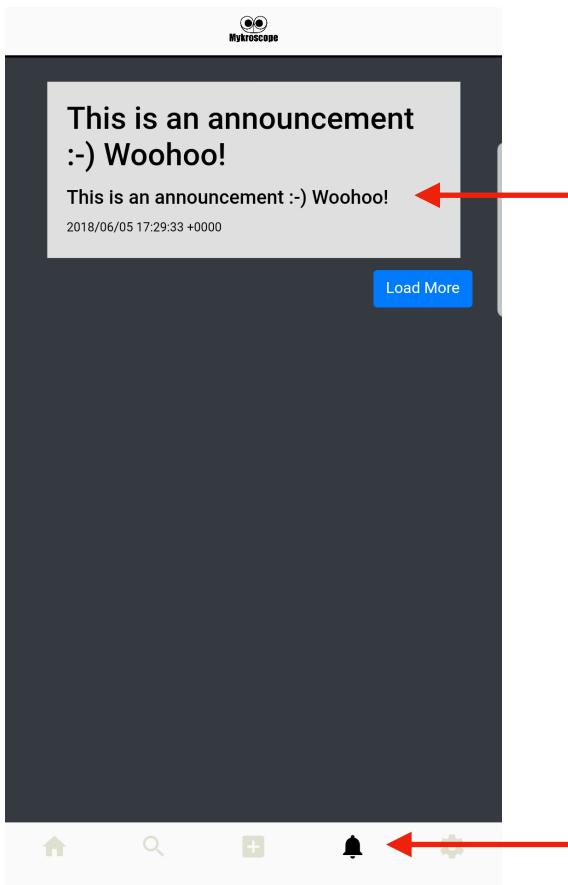
Inventors



chimbaka



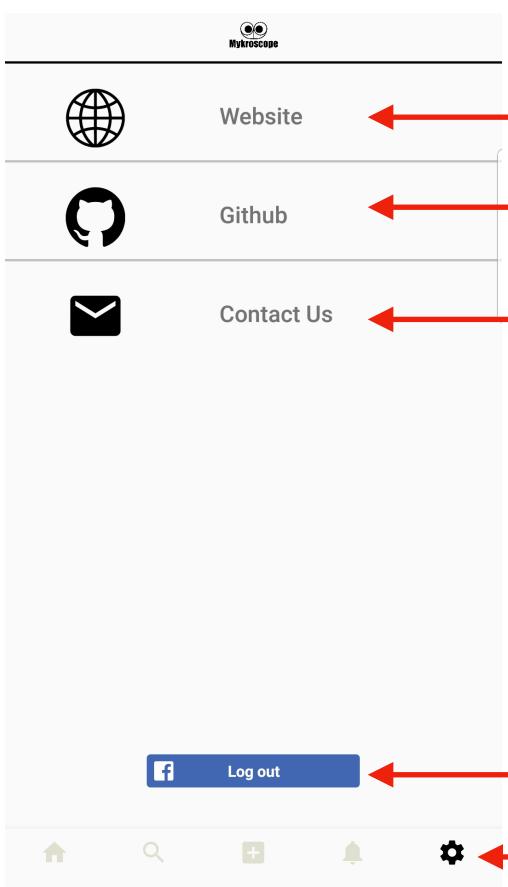




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Announcement page shows the latest announcement



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Click to see all the files on github, its open source !!



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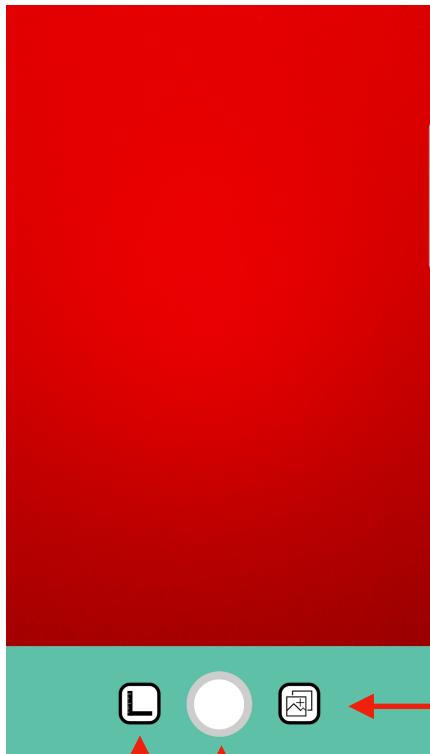


Setting tab



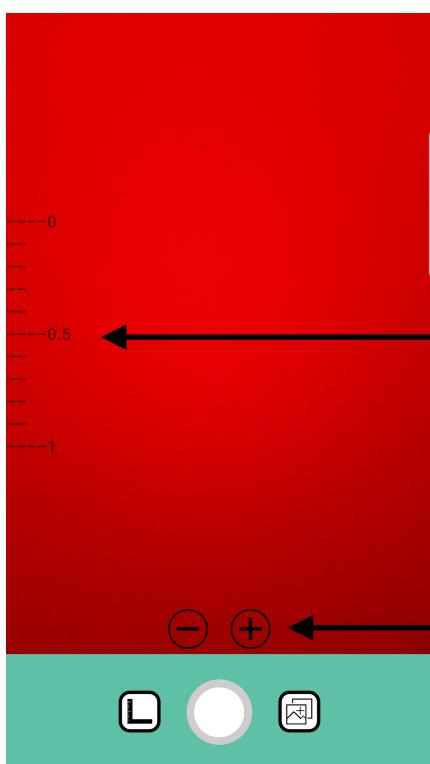


Camera tab opens your camera

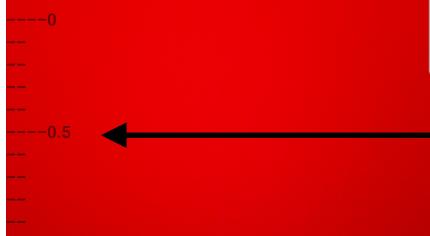


Upload image

Toggle scale



Press Toggle Scale button



Align this scale to the ruler or guided reference to measure the cell size



click the plus & minus button to adjust the scale size



Press Upload Image button



Mykroscope

Search for Mykroscope folder in your phone gallery,
then pick a image to upload

chosen image

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Chose a cell type

Key in here for other cell type

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