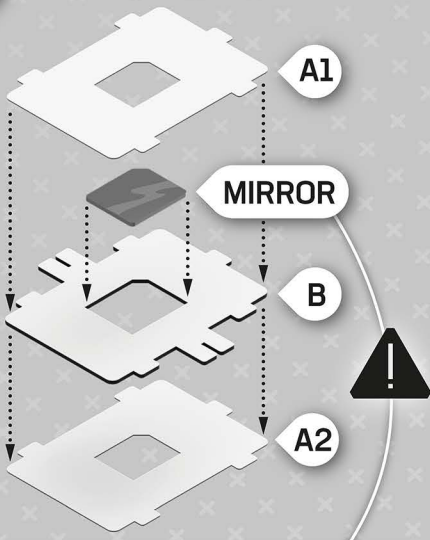
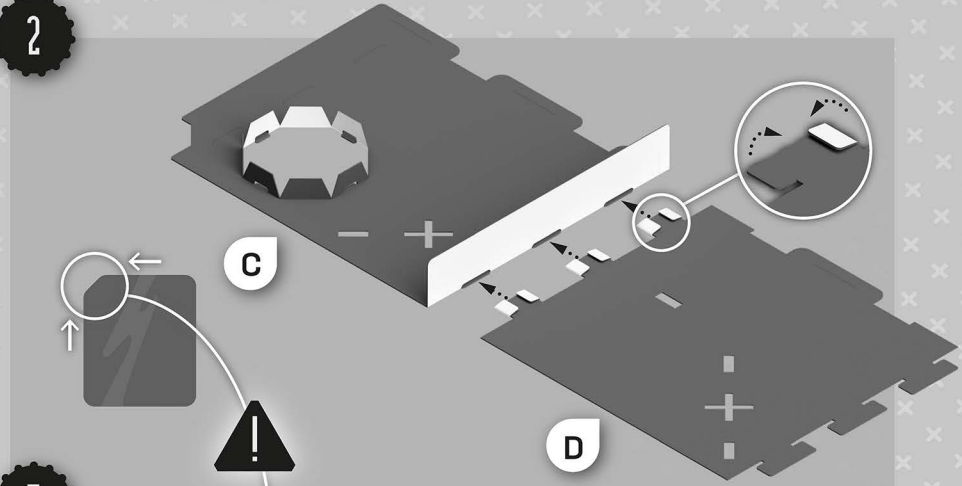


# TELESCOPE

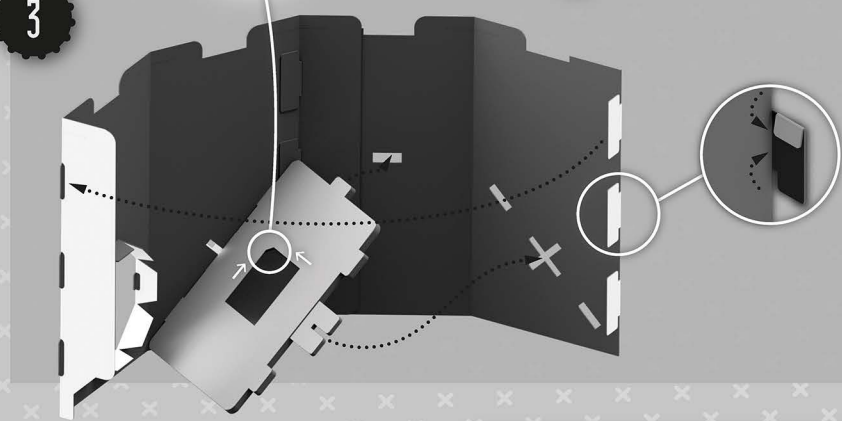
1



2



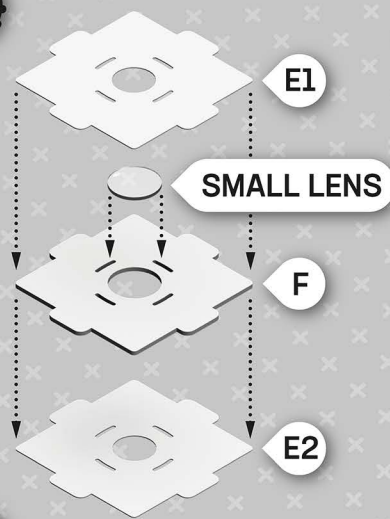
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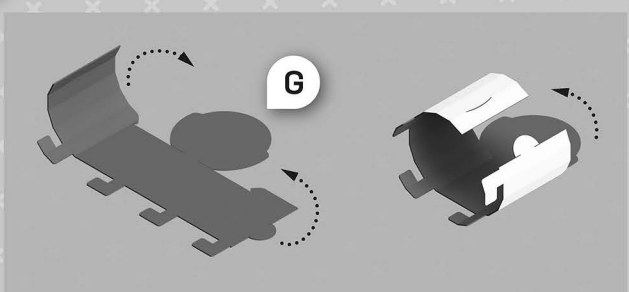
## MIRROR

Leave the protective films on the mirror until you are ready to build the telescope. The BLUE covered surface should always face upwards, with the angled corner in the TOP LEFT (please note: there is a clear film under the blue film, carefully peel off BOTH).

4



5

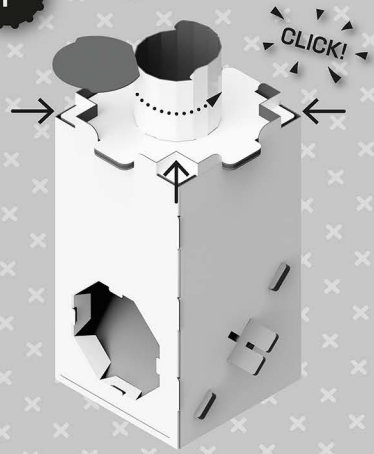


## LENS COVER

6



7



## WARNING!

- Use only under adult supervision and/or guidance - Only to be used by persons capable of understanding the safety aspects concerning misuse of the product.
- DO NOT look directly at the sun with the naked eye or with this telescope. Permanent and irreversible eye damage may occur.
- DO NOT use the telescope to project an image of the sun onto any surface. This can present a severe fire risk.
- DO NOT leave the telescope unattended, especially with children or adults who may not be familiar with the risks mentioned above.
- DO NOT store in places where direct sunlight may enter the lenses. Always cover any lenses with the protective caps when not in use.
- Check product regularly for signs of damage or breakage (e.g. glass elements) and if found discontinue use.
- Take care when placing eye over eyepiece

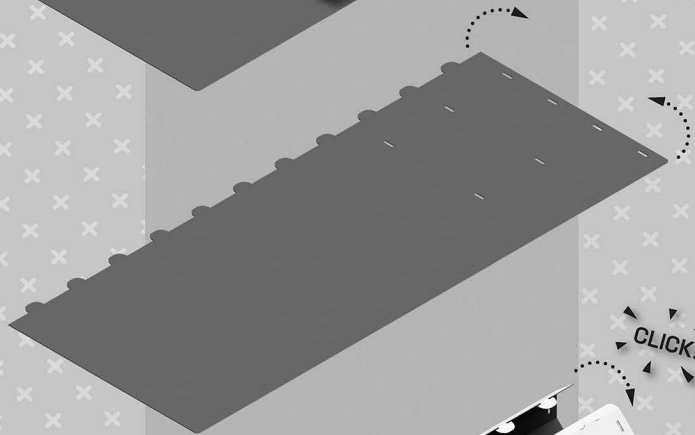
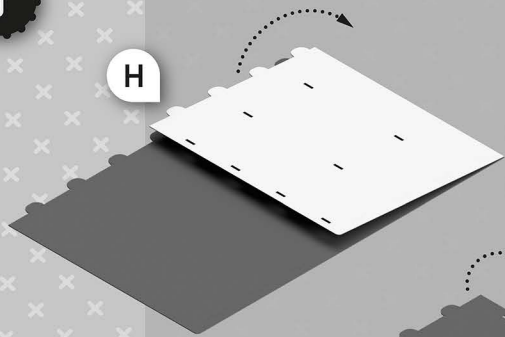


SCAN FOR VIDEO INSTRUCTIONS AND MORE!

[buildyourownkits.com](http://buildyourownkits.com)

8

H



9

CLICK!

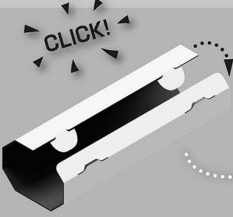
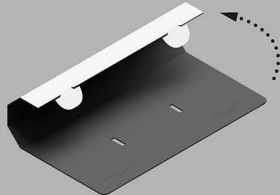
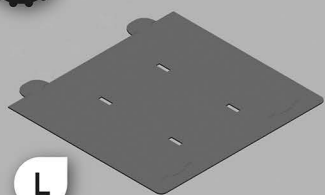
J1

J2



11

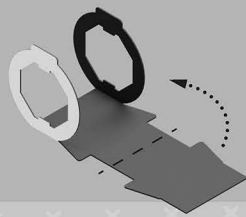
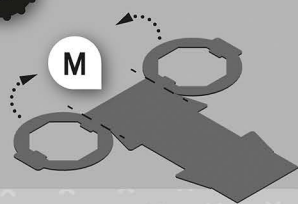
L



CLICK!

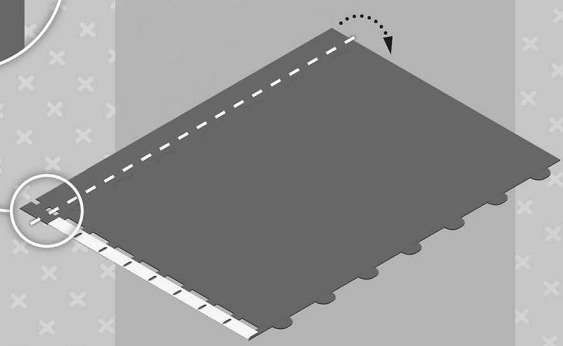
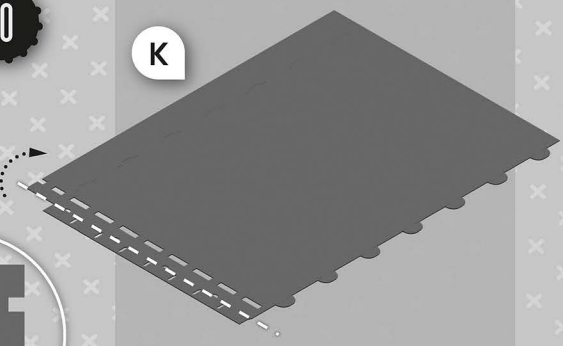
12

M

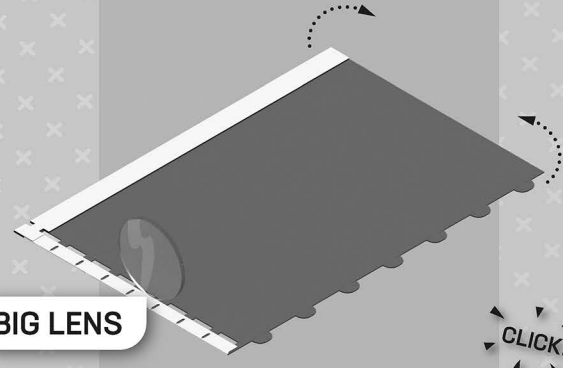


10

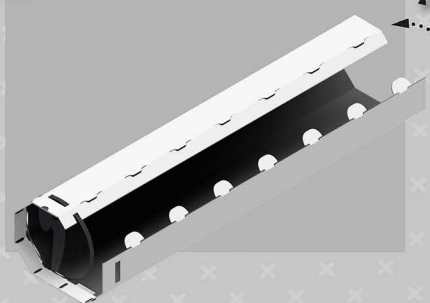
K



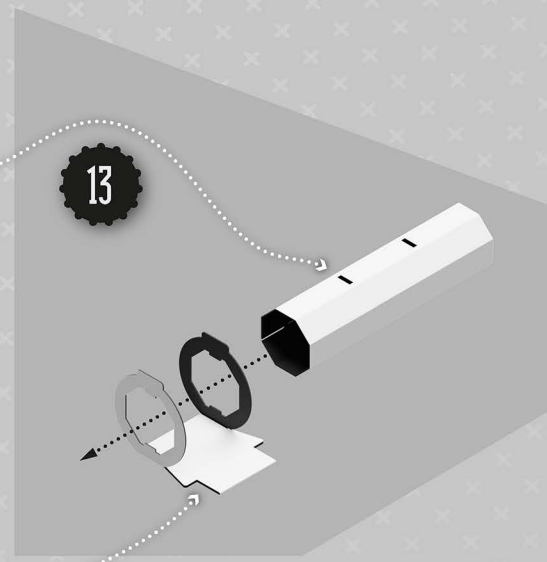
BIG LENS



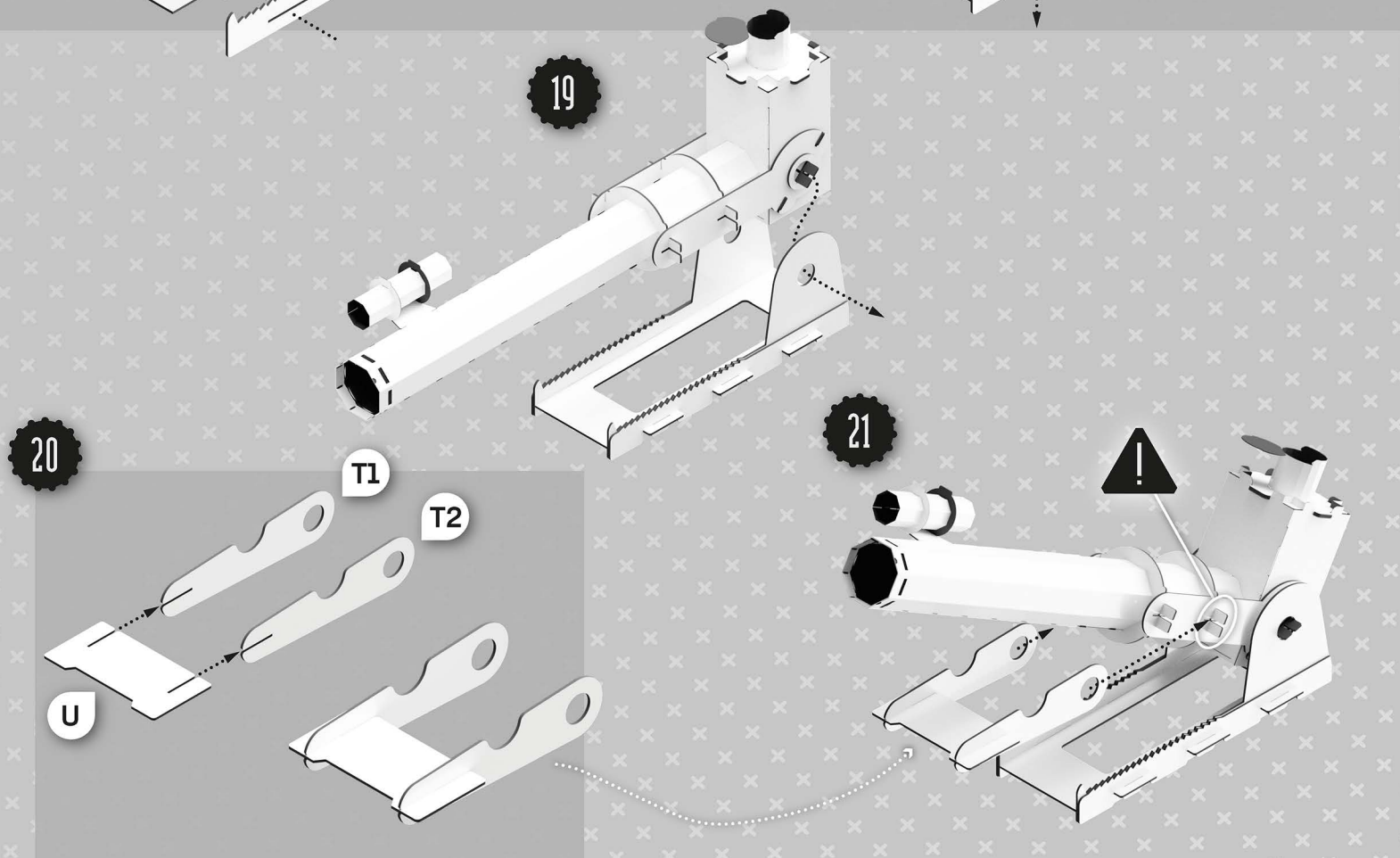
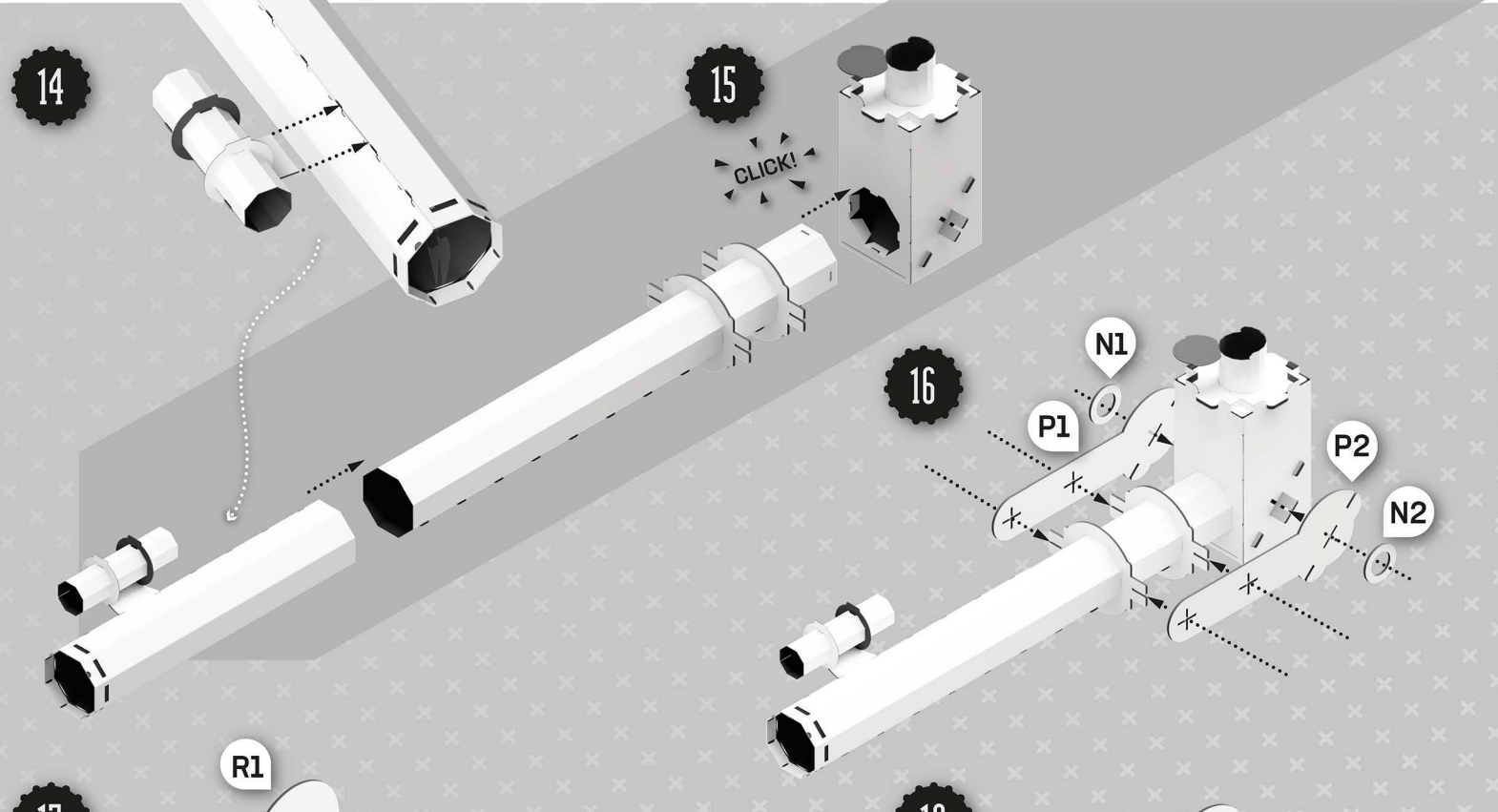
CLICK!



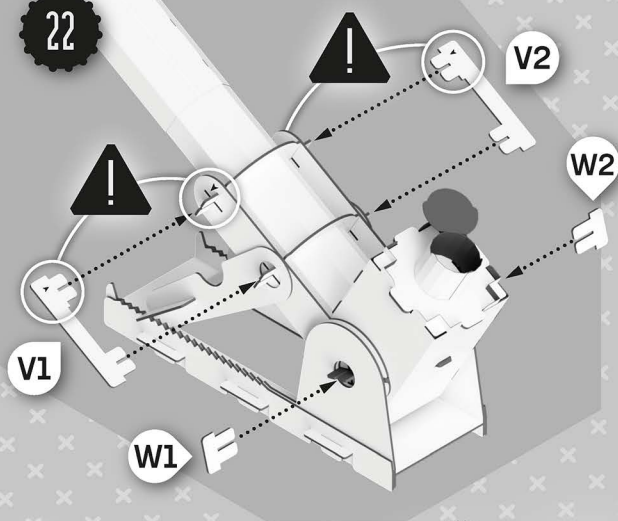
13



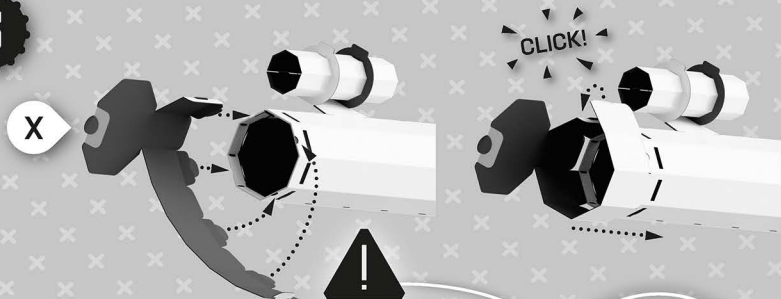




22



23

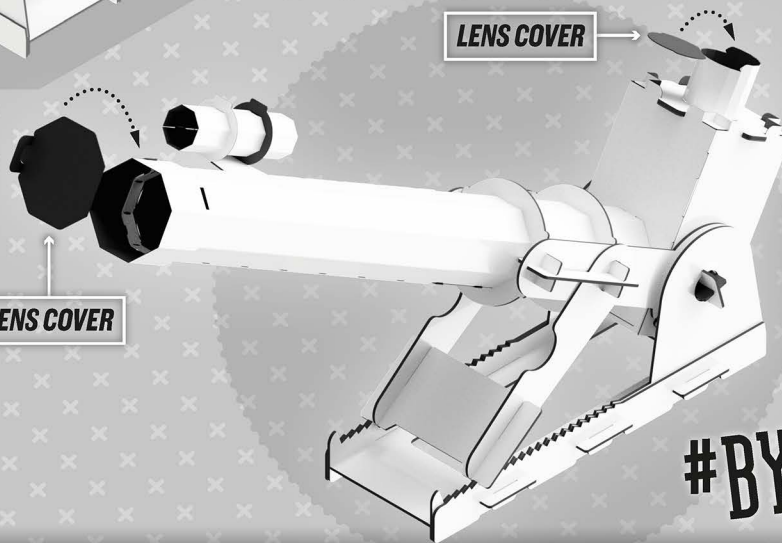


### LENS COVERS

When the telescope is not in use, ensure that the covers on the eyepiece and the end of the tube are CLOSED.

LENS COVER

LENS COVER



# #BY0telescope

## VIEWING OBJECTS

To use the telescope, rest the base on a flat, stable surface such as a table. Put your eye against the eyepiece and angle the tube towards what you want to look at, slowly moving the outer tube in and out to focus.



**NEVER POINT THE TELESCOPE AT THE SUN OR BRIGHT LIGHTS**



### WHY IS THE IMAGE MIRRORED?

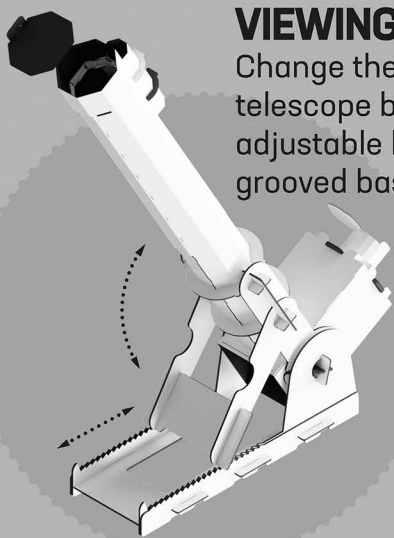
Did you notice that the objects you are looking at are back to front? Due to the configuration of the lenses, the image is flipped as it travels through the telescope.

$$\frac{\text{Objective focal length}}{\text{Eyepiece focal length}} = \frac{671.5\text{mm}}{41.2\text{mm}} =$$

## 16.3x MAGNIFICATION

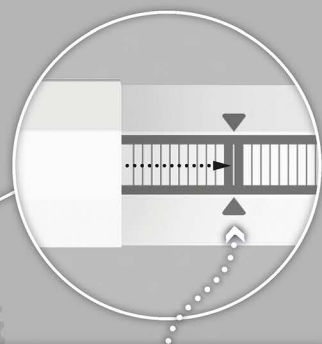
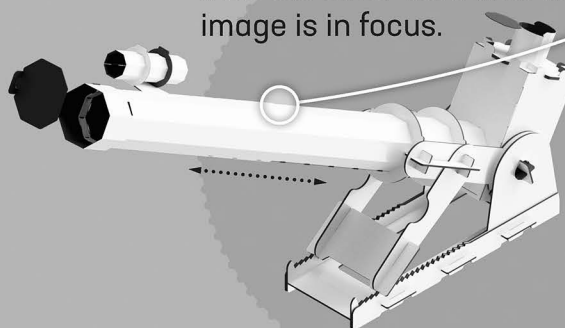
### VIEWING ANGLE

Change the angle of the telescope by moving the adjustable leg along the grooved base.



### FOCUSSING

If the image is not in focus, start from the datum point and carefully move the outer tube over the inner tube until the image is in focus.



### DATUM POINT

Printed on the longer tube is a scale with a datum point, as shown above. When the outer tube is in this position the lenses are at the optimum focal distance apart.