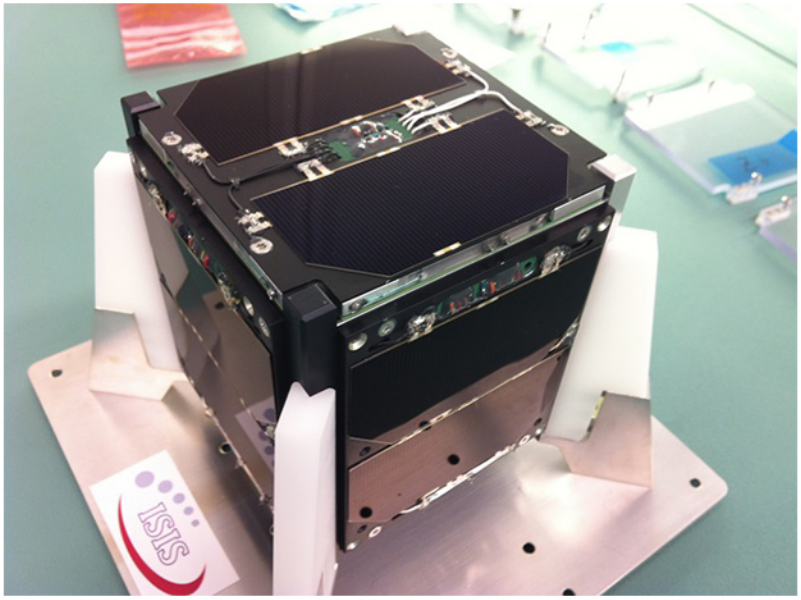
FUNCube-1



FUNcube-1 is a complete educational single unit CubeSat satellite with the goal of enthusing and educating young people about radio, space, physics and electronics. It is part of a program which aims to launch more of these educational CubeSats. It is the first satellite with outreach as its primary mission.

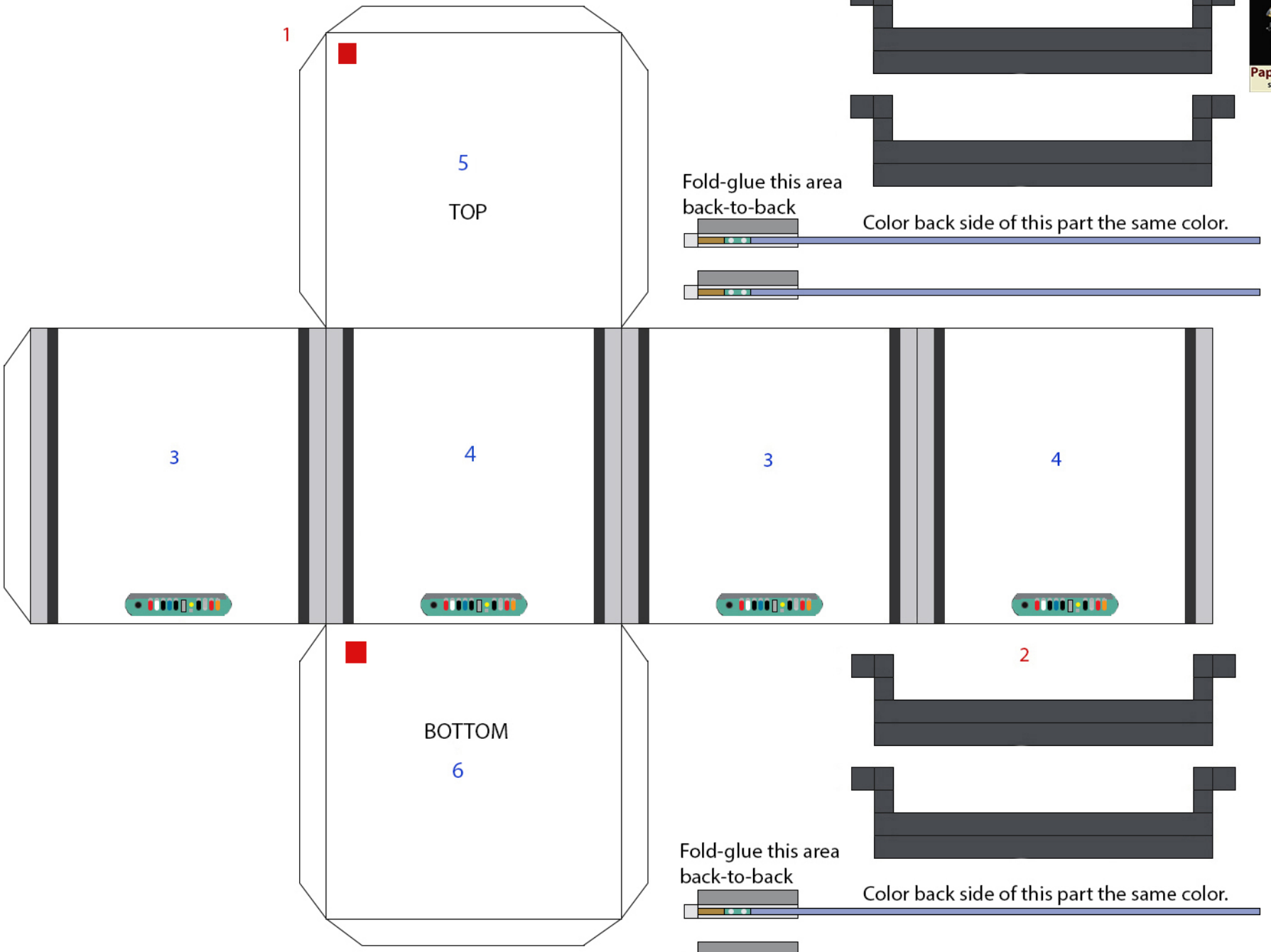
As part of its mission, FUNcube-1 carries a materials science experiment, from which the school students can receive telemetry data and which they can compare to the results they obtained from similar reference experiments in the classroom. This experiment resembles the Leslie's Cube experiment. One of the first schools to use FUNcube-1 in the classroom was Abbeys Primary School in Bletchley which also featured in the BBC breakfast news two days after launch.

Measuring just 10cm x 10cm x 10cm, and with a mass of less than 1kg, FUNcube-1 is the first spacecraft to have a primary mission of educational outreach to schools and the smallest ever satellite to carry a linear transponder for radio amateurs.

FUNcube-1 is equipped with a UHF to VHF linear transponder with approx 300 mW PEP output and which can be used by Radio Amateurs worldwide for SSB and CW communications during the weekends.

FUNcube-1, now registered as a Dutch spacecraft, was successfully launched from Russia on a DNEPR rocket on Nov 21st 2013 and, after more than three years in orbit, continues to perform well. More than 1000 stations, including many at schools and colleges around the world, have received and decoded the telemetry.

FUNCube-1

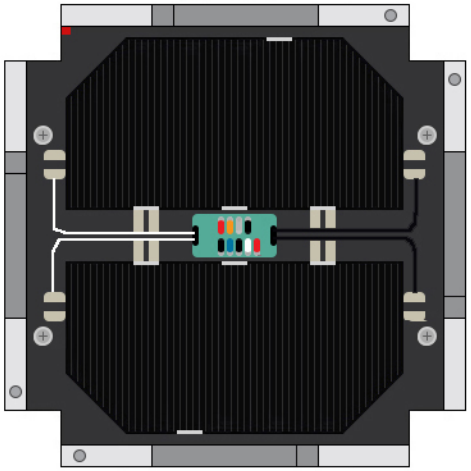

1
5
TOP
2
Fold-glue this area
back-to-back
Color back side of this part the same color.
3
4
3
4
BOTTOM
6
2
Fold-glue this area
back-to-back
Color back side of this part the same color.

FUNCube-1

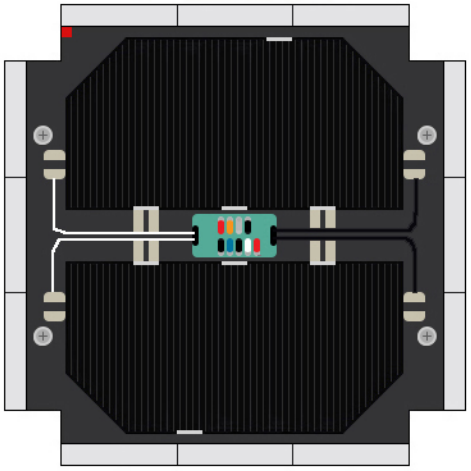
Glue these to cardstock

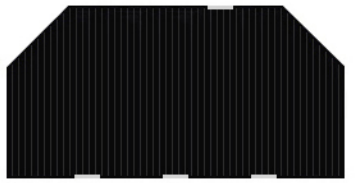
3 For more realistic look, remove the green area at the bottom. 4

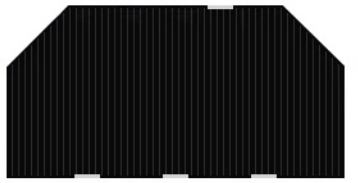
5 TOP



6 BOTTOM







Optional Detail parts