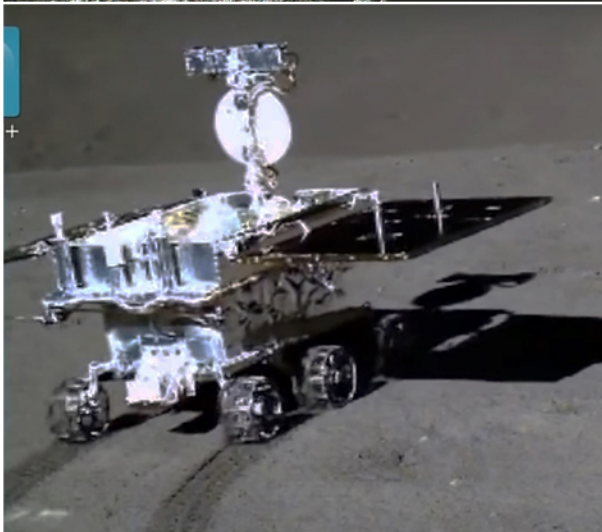
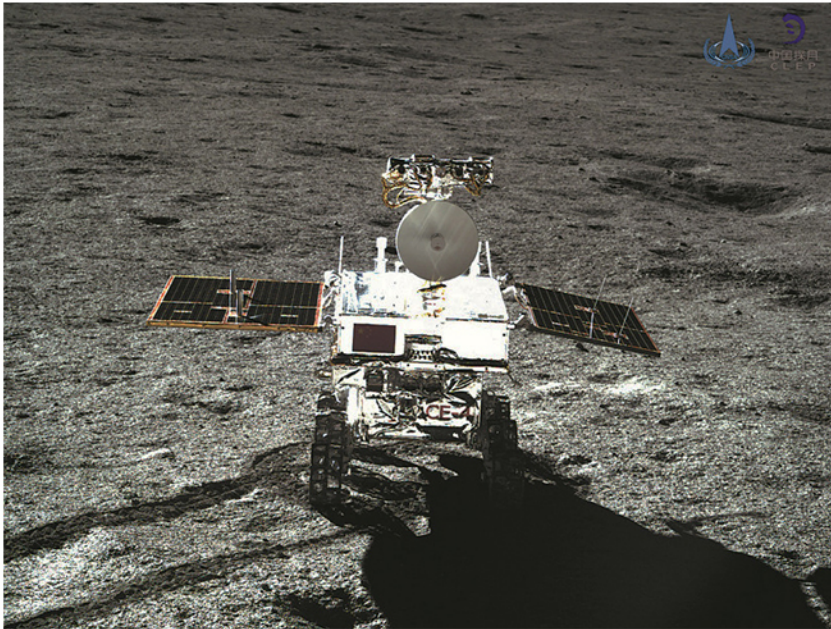


Yutu-2 (Jade Rabbit-2) rover



On Thursday, Jan. 3, 2019, the Jade Rabbit 2 rover drove off its lander's ramp and onto the soft, snow-like surface about 12 hours after its mother spacecraft (Chang'e-4) made the first-ever landing on the moon's far side.

Exploring the cosmos from the far side of the moon could eventually help scientists learn more about the early days of the solar system and even the birth of the universe's first stars. The far side can't be seen from Earth and is popularly called the "dark side" by some because it is relatively unknown, not because it lacks sunlight.

Three nations — the United States, the former Soviet Union and more recently China — have sent spacecraft to the near side of the moon, but the latest landing is the first on the far side. That side has been observed many times from lunar orbit, but never up close.

The landing was "a big deal" because it used an engineering technique of the spacecraft itself choosing a safe place to touch down in treacherous terrain, something called autonomous hazard avoidance, said Purdue University lunar and planetary scientist Jay Melosh.

He recalled mentioning the idea of such a technique for an unfunded NASA lunar mission about eight years ago, only to be told it wasn't doable at the time.

"The moon is more challenging to land on than Mars," Melosh said. "On Mars, you can pick out smooth areas."

The Jade Rabbit 2 rover has six wheels that all have power, so it can continue to operate even if one wheel fails.

It can climb a 20-degree hill or an obstacle up to 20 centimeters (8 inches) tall. Its maximum speed is 200 meters (220 yards) per hour.

In Chinese folklore, Yutu is the white pet rabbit of Chang'e, the moon goddess who lent her name to the Chinese lunar mission.

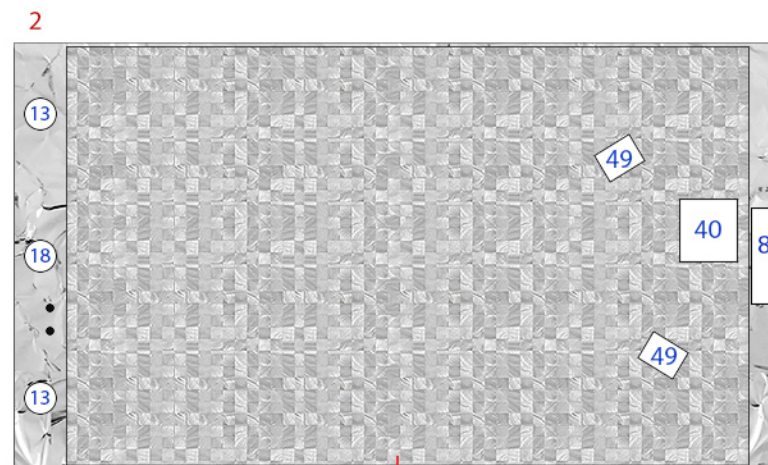
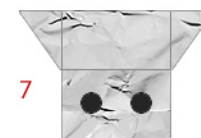
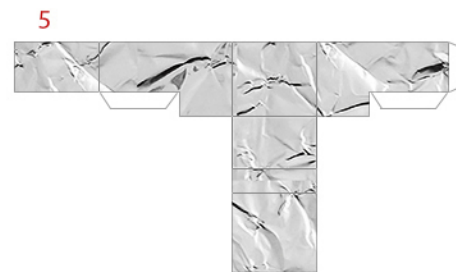
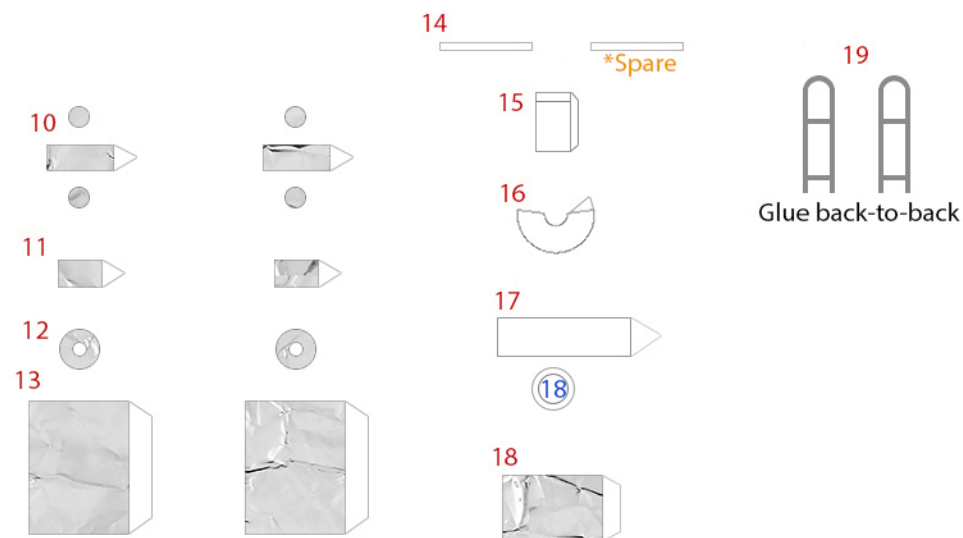
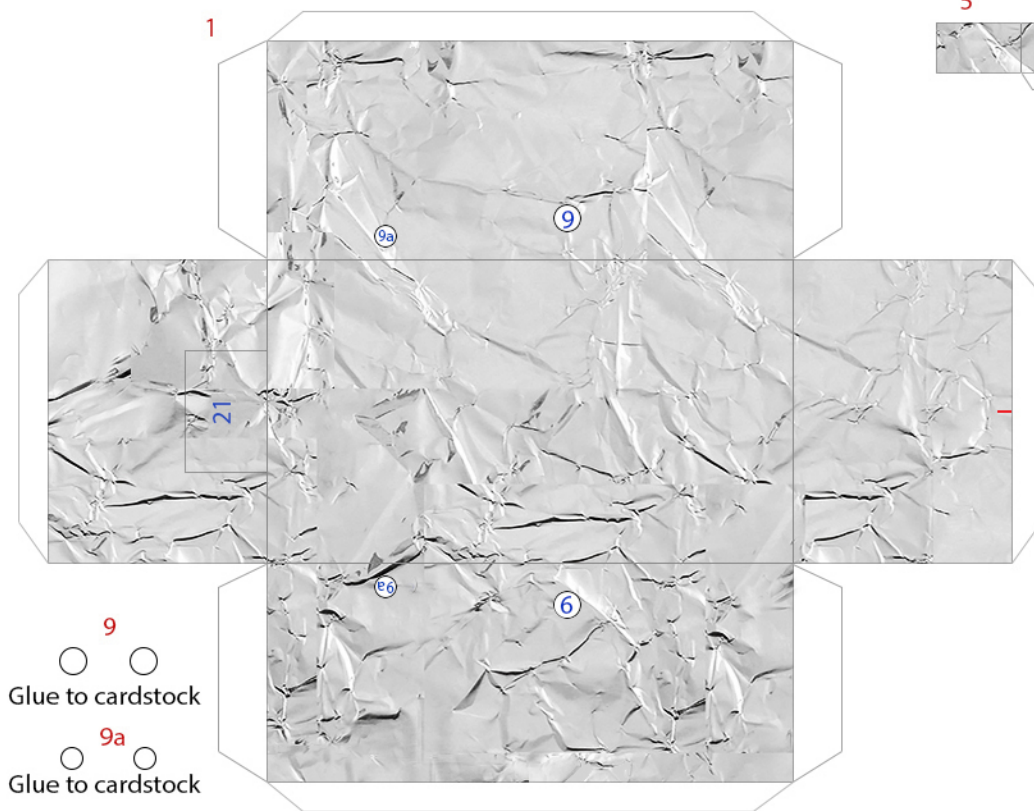
Legend has it that Chang'e, after swallowing a magic pill, took her pet and flew toward the moon where she became a goddess and has lived with the white jade rabbit ever since.

Zach's

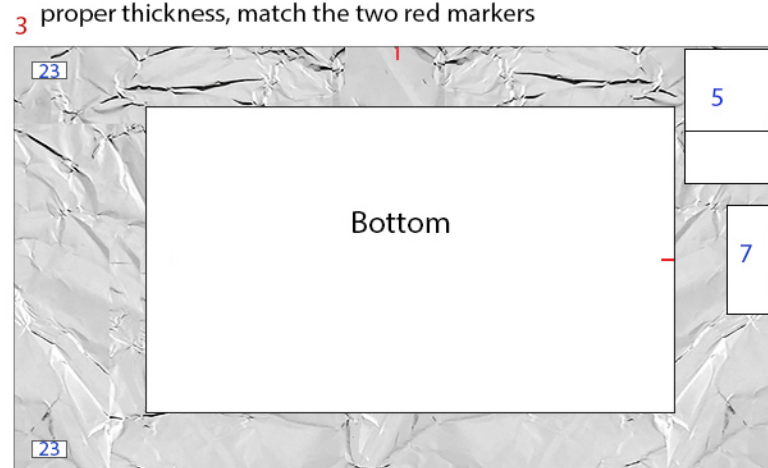


PaperSat Designs
Spacecraft Paper Models

Yutu-2 (Jade Rabbit-2) rover

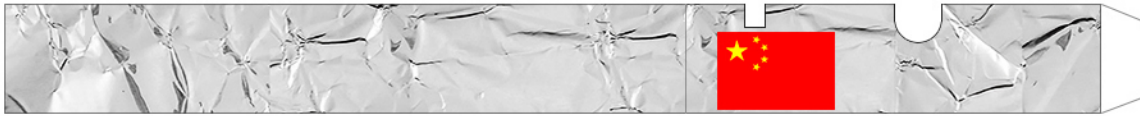


Glue both parts to two (2) layers of cardstock, then back-to-back for proper thickness, match the two red markers



Yutu-2 (Jade Rabbit-2) rover

4a

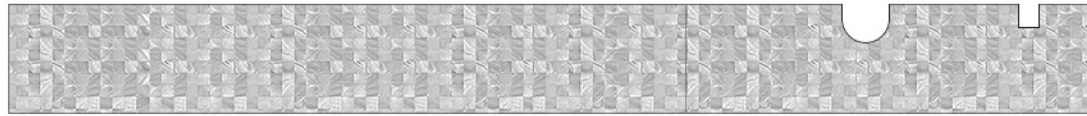


4a

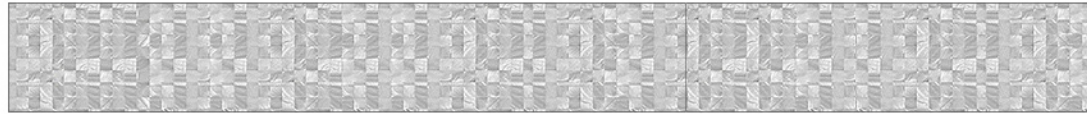


Outside - glue to two strips together to form a rectangle

4b



4b

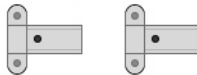


Inside - glue inside the rectangle from above

23

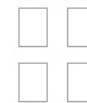


23a



Poke very small holes on the black dots.

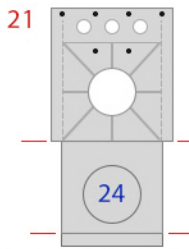
24a



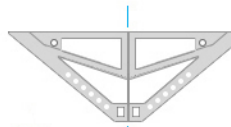
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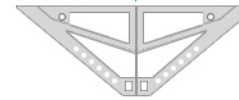
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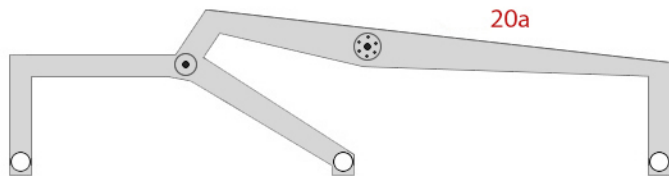
Color backside light grey
Valley fold at the RED lines



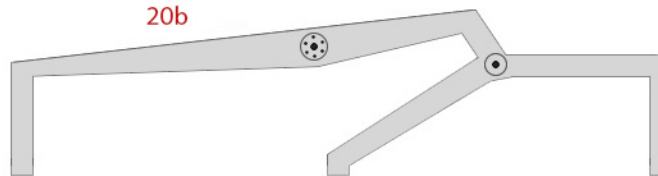
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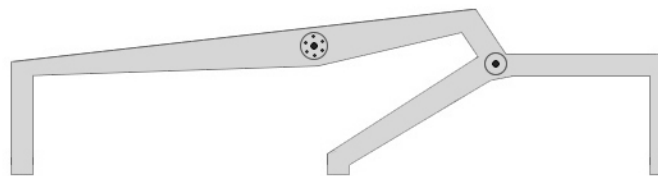
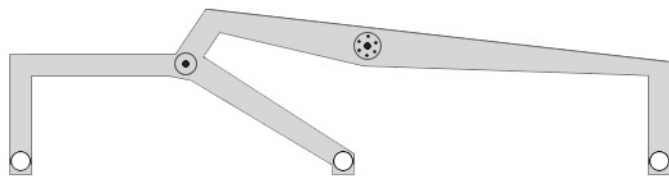
Fold back-to-back at the blue lines



20a



20b



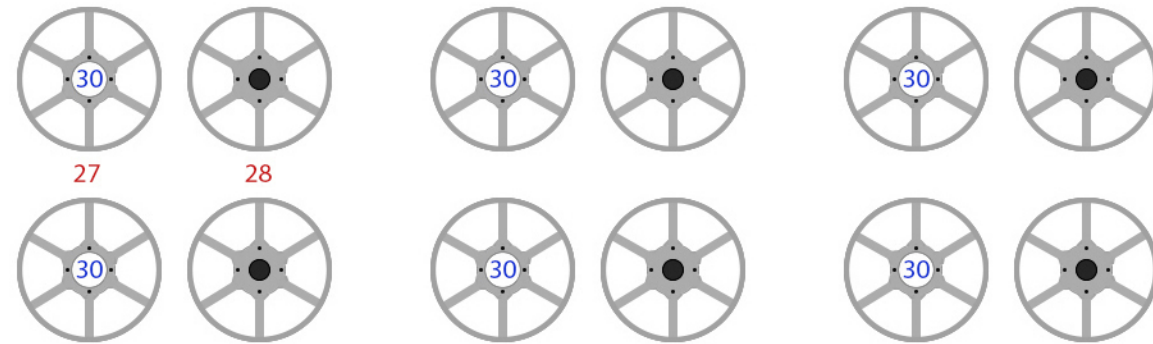
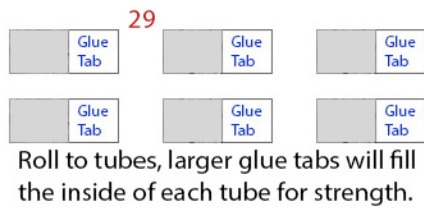
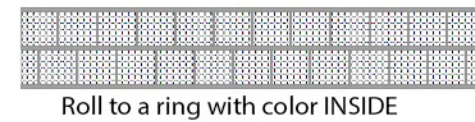
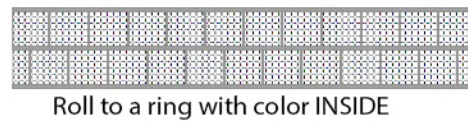
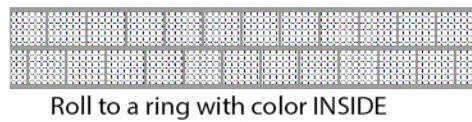
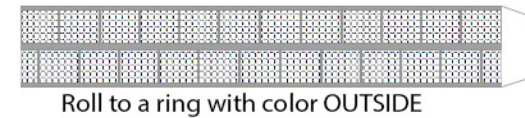
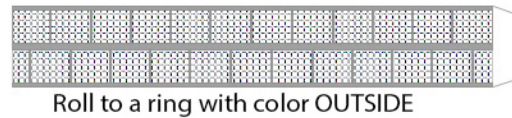
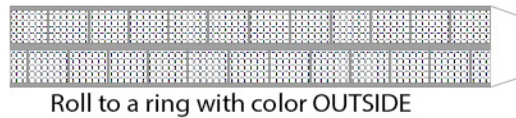
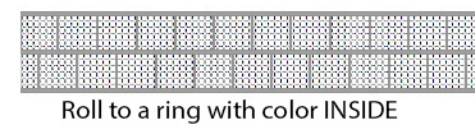
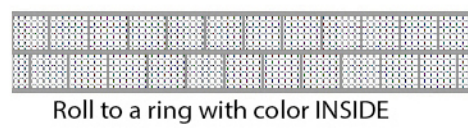
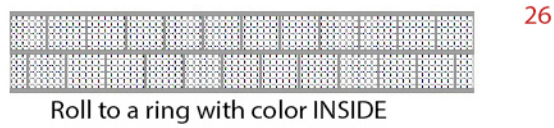
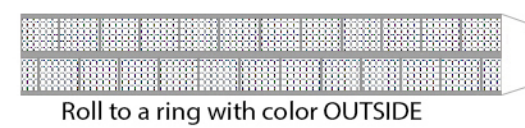
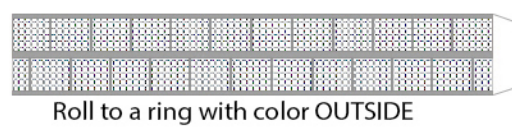
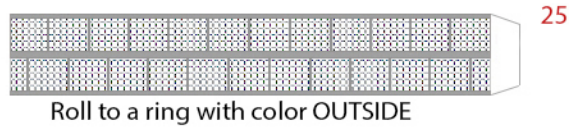
Glue each pair to two (2) layers of cardstock, then back-to-back

Zach's

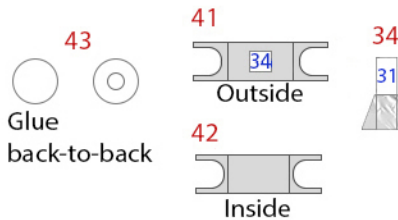
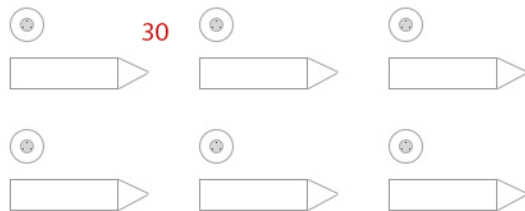


PaperSat Designs
Spacecraft Paper Models

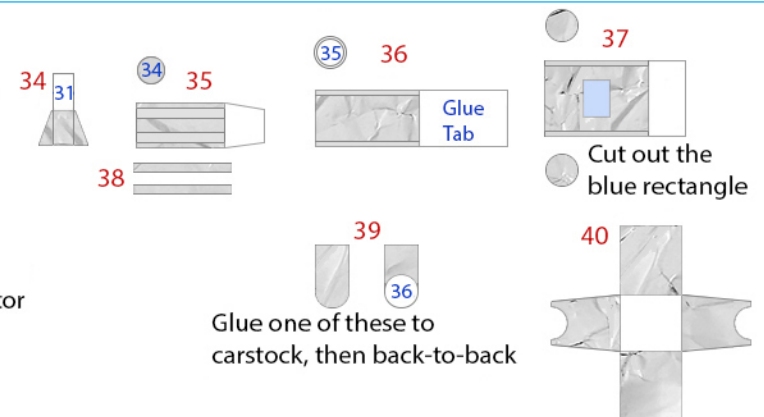
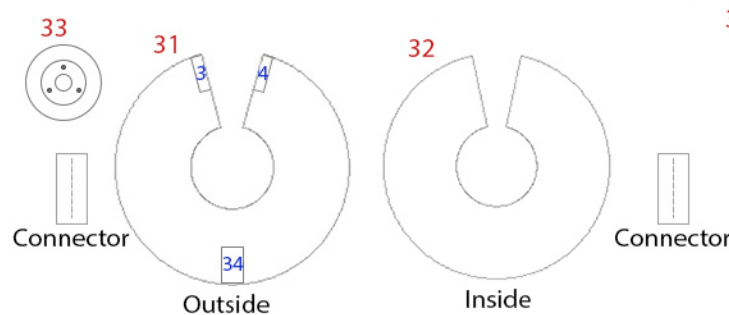
Yutu-2 (Jade Rabbit-2) rover



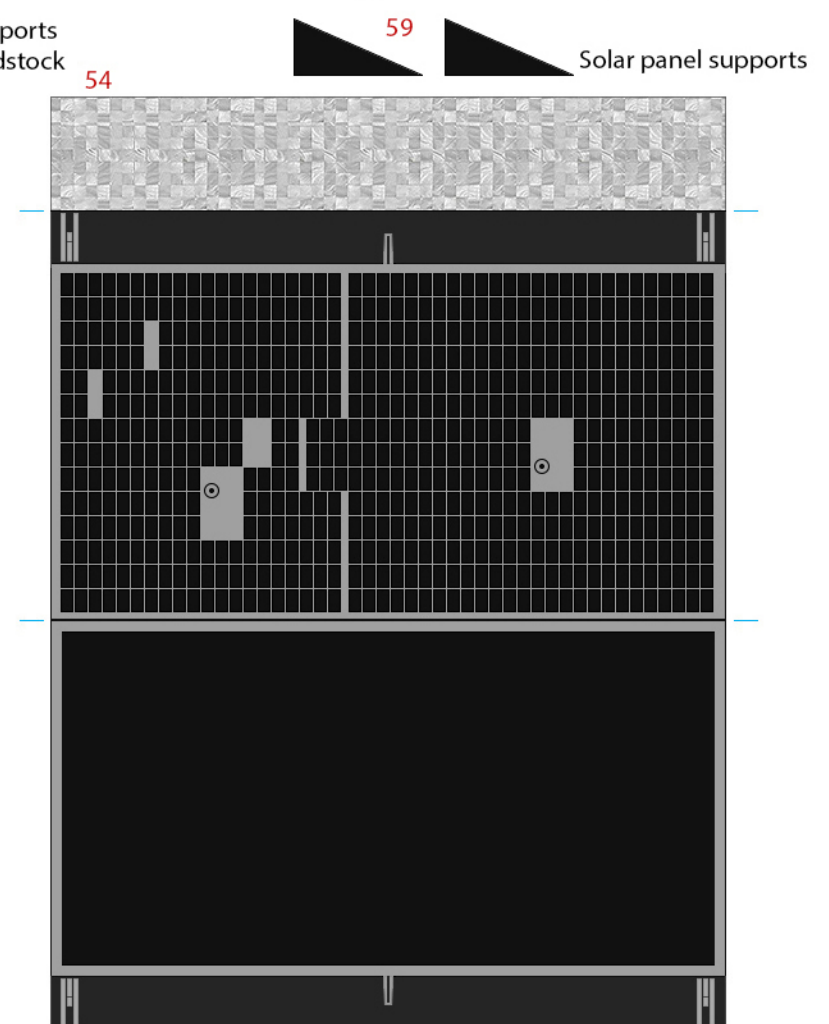
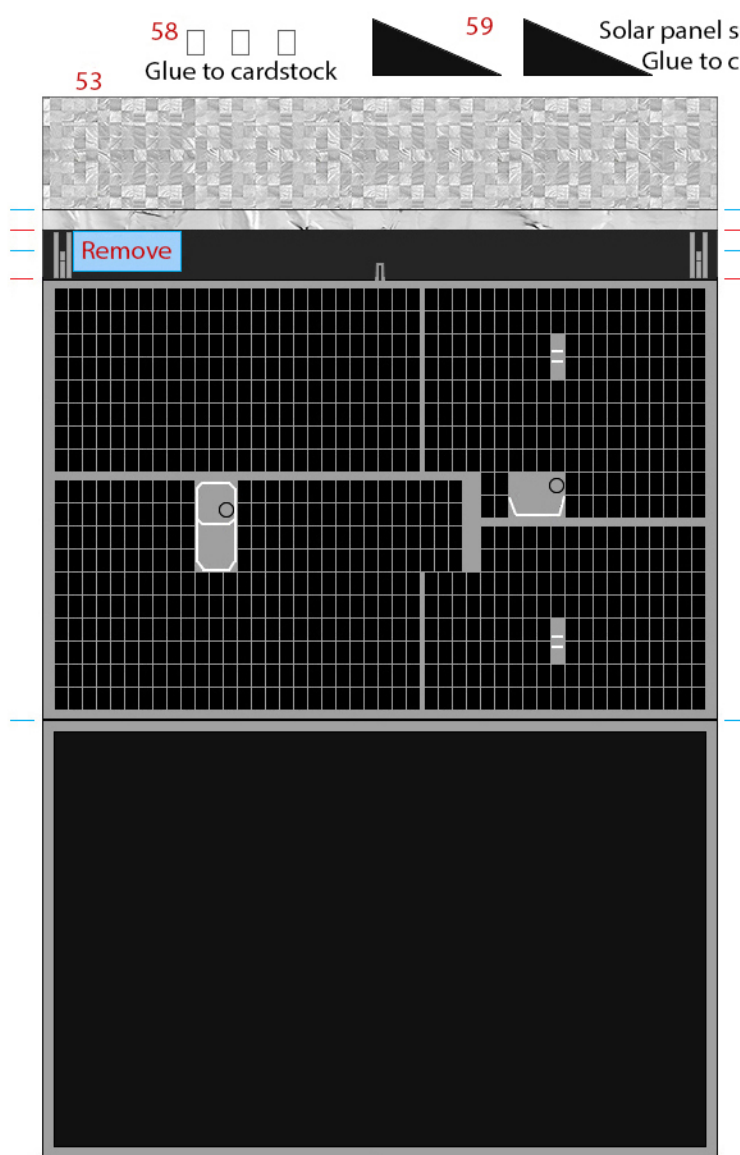
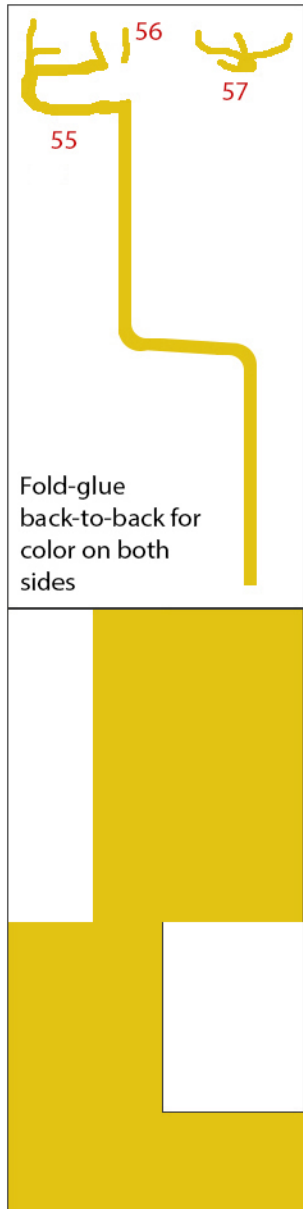
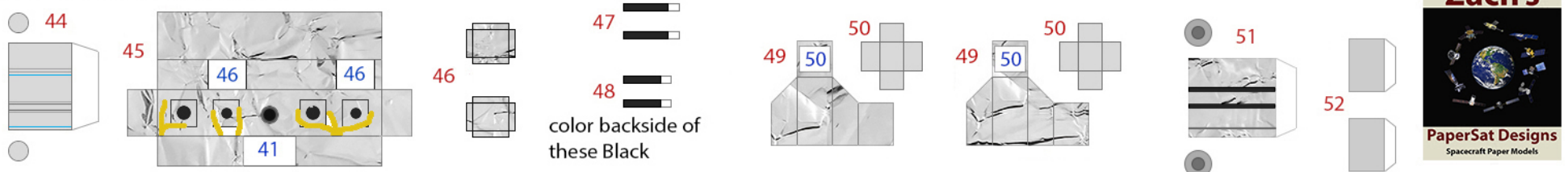
Glue each of the six pairs back-to-back, match the spokes together.



Cut a tooth pic the same length as the line below, colored white.



Yutu-2 (Jade Rabbit-2) rover



Cut plastic broom straws the same length as the line below, colored light grey or silver - make two.

Cut 2 plastic broom straws the same length as the line below, colored light grey or silver.