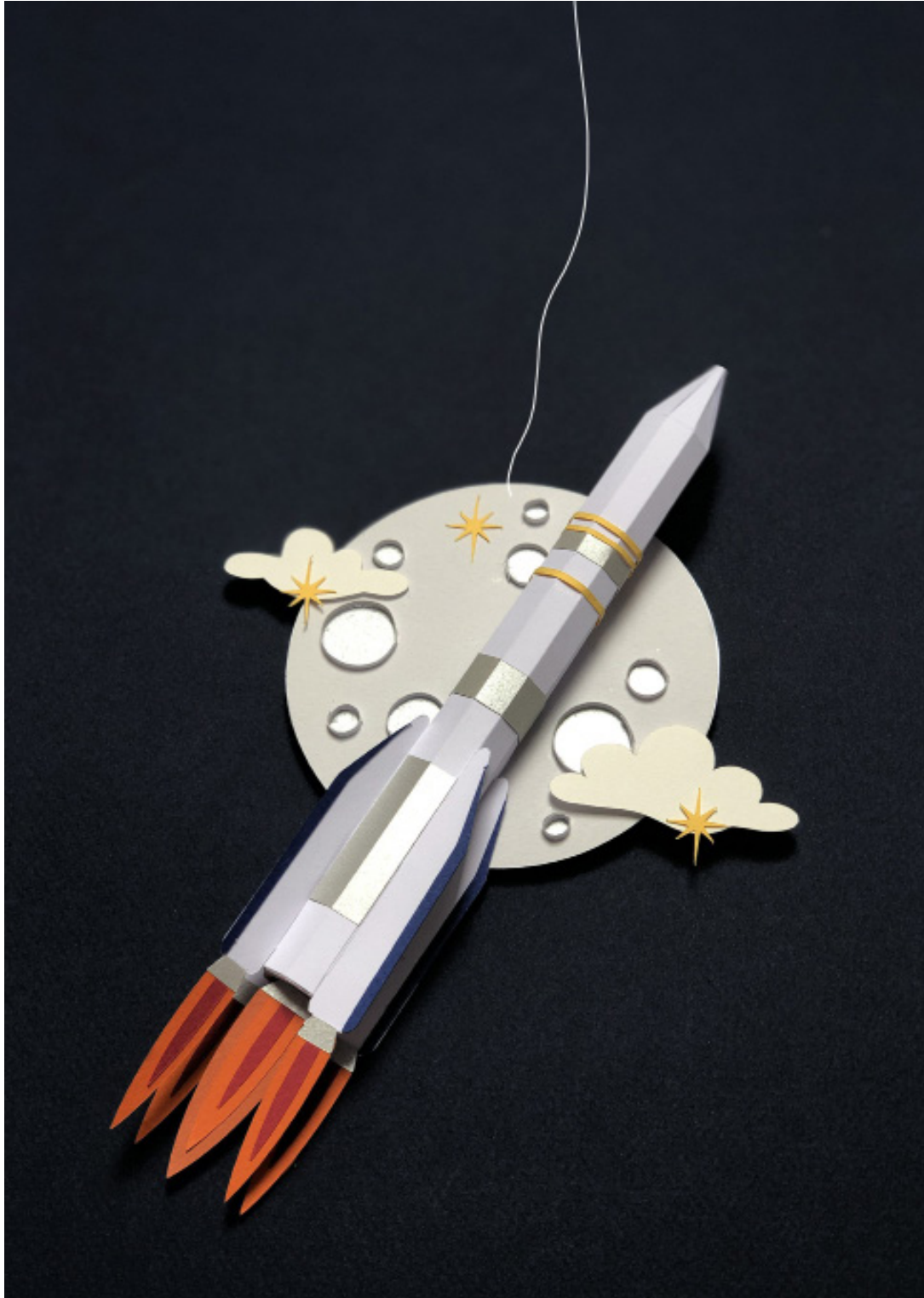


DIY Ariane rocket

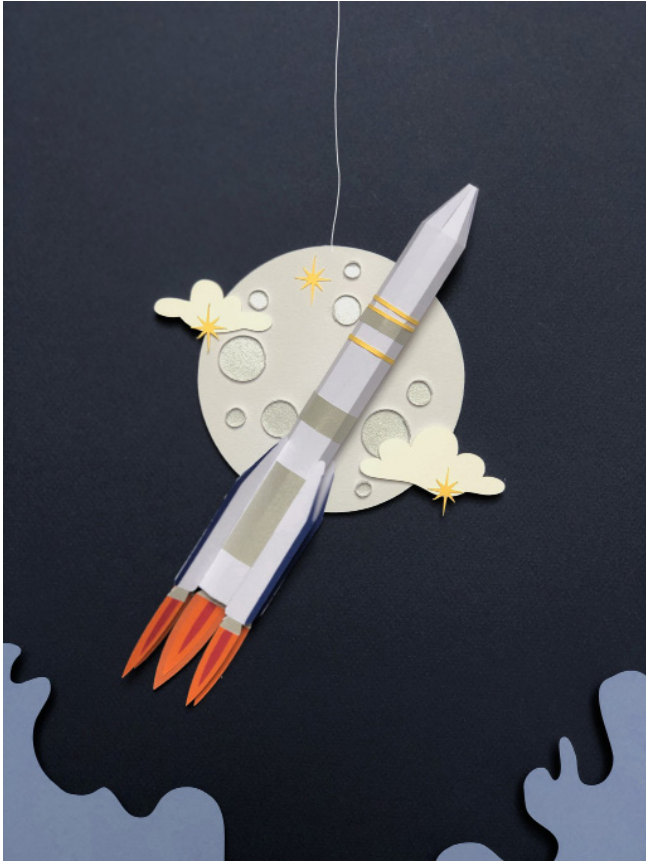
Build an Ariane 6 rocket - out of paper



ArianeGroup X Papier Papier Papier

DIY

An Ariane 6 rocket among the stars



Average time: 2 hours

Age: 12 and up for children on their own and 7 for children assisted by adults as the use of a craft knife is required.

Difficulty: ✨ ✨ ✨

Patience: ✨ ✨ ✨

TOOLS for the rocket and its setting

Scissors
Craft knife
Gel glue
Ruler
Thick white paper
Needle
Thread

These instructions show you how to make the Ariane 6 rocket out of paper and set it amongst the stars. Once you've finished your creation, you could display it on a wall or hang it on a string from the ceiling.

BONUS

If you'd like to heighten the effect, we suggest you cover some parts with colored paper to give greater depth and volume to the scene.

THE ROCKET

Make the Ariane 6 rocket using the templates on pages 8 and 9.

THE TEMPLATES

1 Print the “TEMPLATES: The rocket” page on thick white paper, ideally 40lb bond to 54lb bond (160gsm to 200gsm).

2 Using your scissors, cut out each template.

Tip: Once you've cut the boosters out, put them aside in pairs (each booster with a tab must be paired with another that has no tabs)

3 Using your craft knife, cut along:

The four thick black lines on the rocket template
and the thick black line on the octagon.

Tip: you can make the slits a little wider by making a second parallel cut with the craft knife.

4 Pass the back of your craft knife blade over the dotted red lines to make it easier to create a neat fold.

5 Score the folds.



ASSEMBLING the boosters

1 Glue the boosters without tabs onto the back of those with tabs.

Insert the boosters into the main rocket from left to right as follows:

2 Insert the tab of booster 1 into the left slit of the rocket, then glue it.

3 Insert the tab of booster 2 into the next slit, then glue it.

4 Insert the tab of booster 3 into the next slit, then glue it.

5 Insert the tab of booster 4 into the last slit, then glue it.



ASSEMBLING the Ariane 6 rocket

1 Glue each ● tab onto the closest part..

2 Form a tube by gluing the ● tabs of the rocket under the opposite side. →

3 Form the fairing of the rocket by gluing the octagon onto the triangular tabs.

4 Close the base of the rocket by gluing the octagon onto the ● tabs.

5 Glue the large flames back to back then insert them into the slit in the octagon.



THE SPACE SCENE

Make the space setting for the Ariane 6 rocket using the templates on page 10.

THE TEMPLATES

1 Print **two copies** of the “TEMPLATES: Moon, stars and clouds” on thick white paper, ideally 40lb bond to 54lb bond (160gsm to 200gsm).

2 Using your scissors, cut out each template.

3 Glue the two moons back to back.

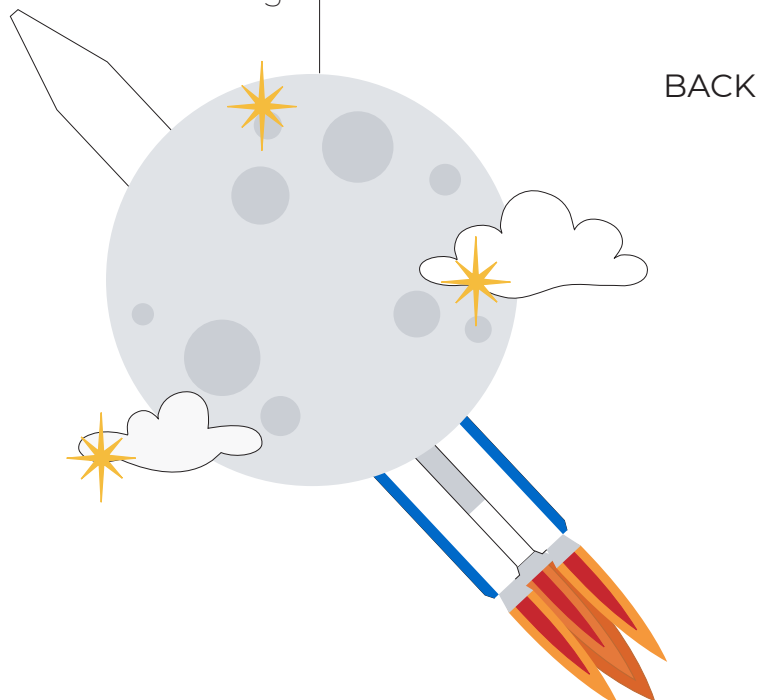
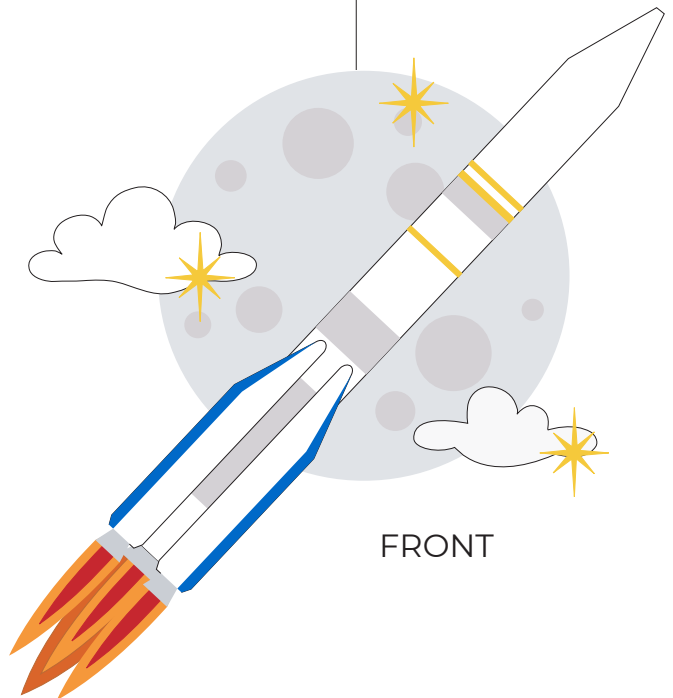
ASSEMBLING the mobile

1 Thread the needle.

2 Make a hole at the top of the moon, pull the thread through then tie a knot in the thread.

3 Position the elements using the diagrams to help you, then glue them in place.

4 Attach the mobile to the wall or hang it from the ceiling.



BONUS

We've got a little bonus for you, to make your creation look more like a photograph. On page 11, you will find templates and all the steps you need to make your Ariane 6 rocket and its setting even more realistic.

FOR THIS, YOU WILL NEED:

Gray paper, letter (A4), 40lb bond
Yellow paper, letter (A4), 40lb bond
Orange paper, letter (A4), 40lb bond
Red paper, letter (A4), 40lb bond

STRIPES ON THE ROCKET

1 From yellow paper, cut:
Three strips of 0.12in x 3.27in
(0.3cm x 8.3cm).

2 From gray paper, cut:
One strip of 0.35in x 3.27in (0.9cm x 8.3cm),
One strip of 0.71in x 3.27in (1.8cm x 8.3 cm).

3 Use your ruler to shape your paper strips.

4 Glue each strip over the stripes printed on the rocket.

5 From gray paper, cut four strips of 0.71in x 2.24in (1.8cm x 5.7cm).

6 Fold these strips in two lengthwise then glue them over the stripes printed on the rocket.



BOOSTER FLAMES

1 Print the "TEMPLATE: Bonus" page.

2 Cut out the templates.

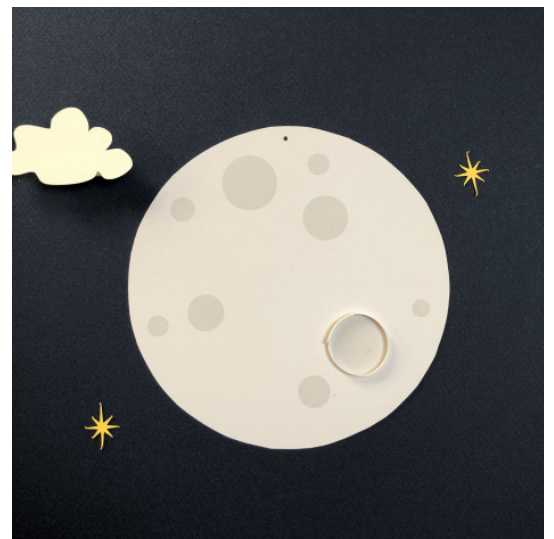
3 Place the "RED FLAMES" template on your red paper then trace its outline with a pencil. Do this 10 times, making 10 red flames. Cut out the flames.

- 4 Place the "ORANGE FLAMES" template on your orange paper then trace its outline with a pencil. Do this twice, making 2 orange flames. Cut out the flames.
 - 5 Place the "NOZZLE" template on your gray paper then trace its outline with a pencil. Do this 8 times, making 8 nozzles. Cut out the nozzles.
 - 6 Place the "VULCAIN 2.1 MOTOR" template on your gray paper then trace its outline with a pencil. Do this twice, making 2 gray motors. Cut out the motors.
- You now have a total of: 10 red flames, 2 orange flames, 8 gray nozzles and 2 gray Vulcain 2.1 motors.*
- 7 Glue the nozzles onto those you printed earlier (one nozzle on each side of the boosters).
 - 8 Glue a Vulcain 2.1 motor on each of the central motors you printed earlier.
 - 9 Glue a red flame onto an orange flame. Repeat this with the second orange flame. Now glue them to each side of the main flame you printed earlier.
 - 10 Glue the other red flames onto the red flames you printed earlier.

THE MOON

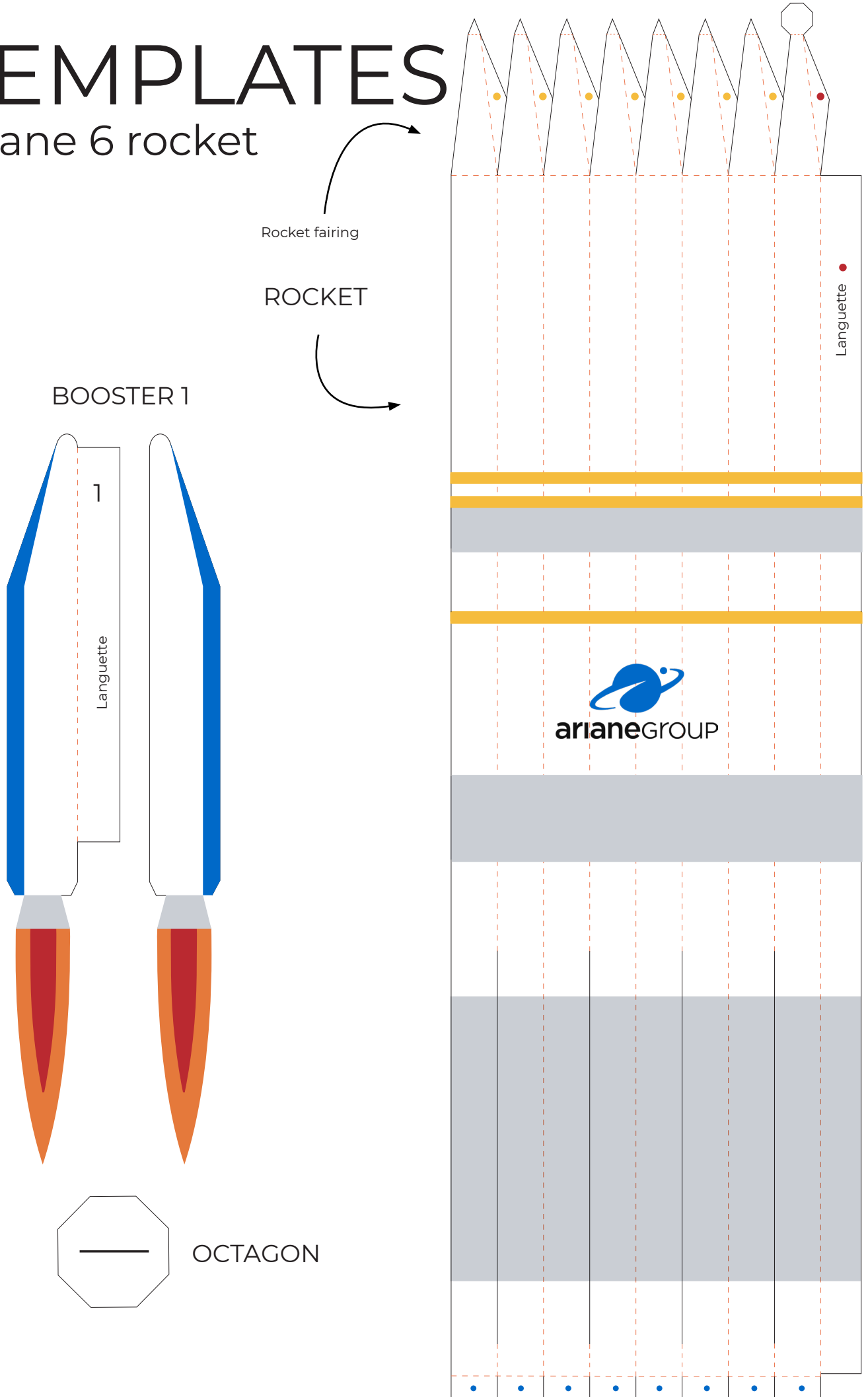
For greater relief (optional)

- 1 Cut strips of 0.16in (0.4cm) wide from a scrap piece of white paper or from gray paper.
- 2 Form circles of the same size as those drawn on the moon (dark gray), glue and cut away any surplus.
- 3 Glue the edges of your circles and stick them onto the dark gray circles on the printed moon.

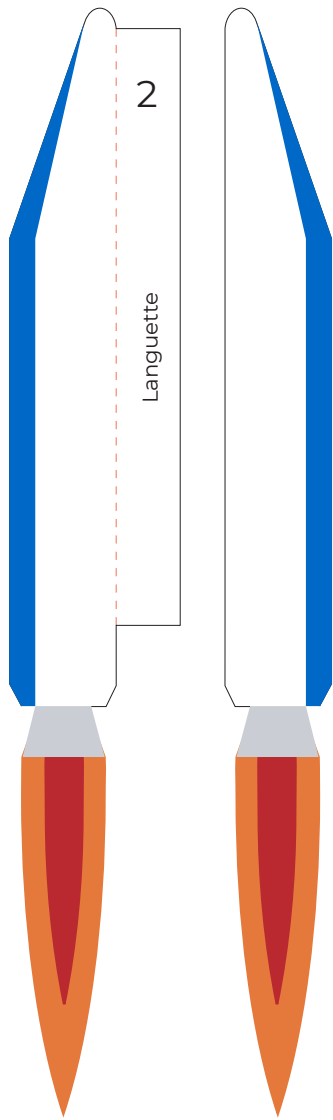


TEMPLATES

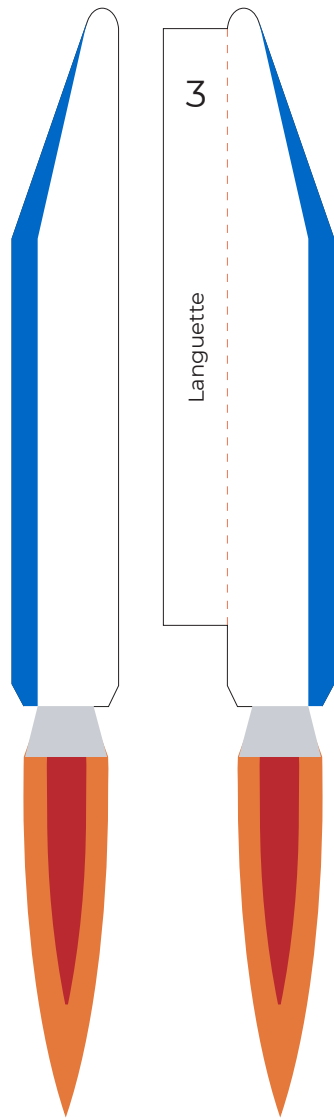
Ariane 6 rocket



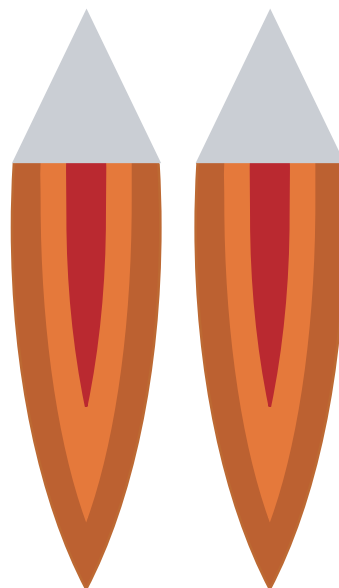
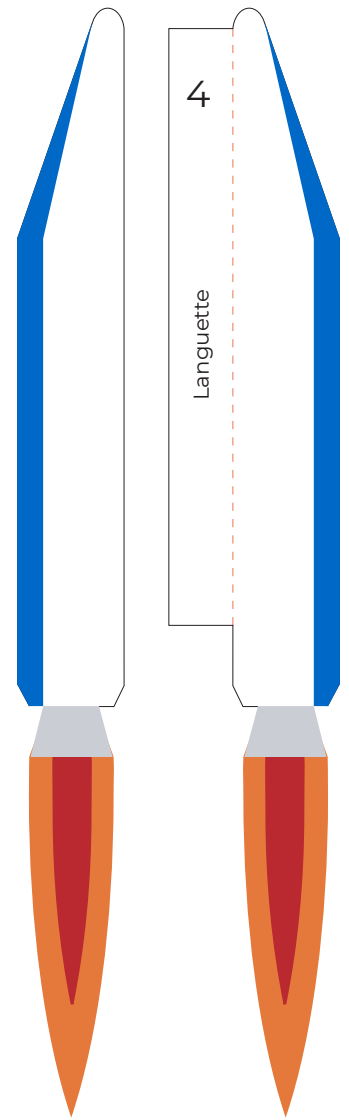
BOOSTER 2



BOOSTER 3



BOOSTER 4

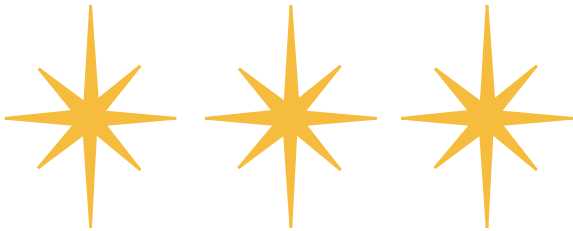


LARGE
FLAMES

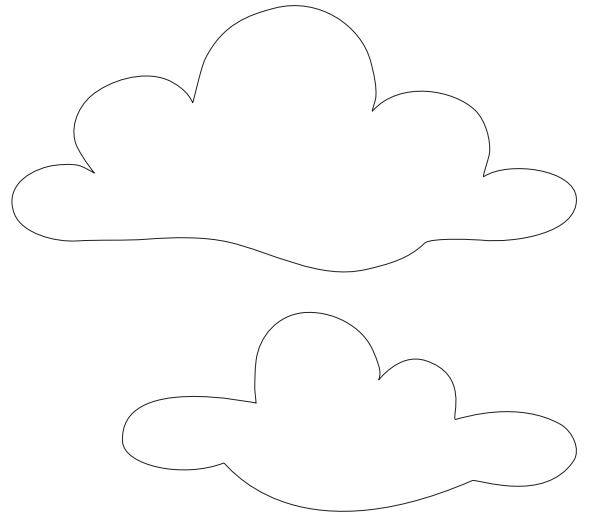
TEMPLATES

Moon, stars and clouds *Print 2 copies*

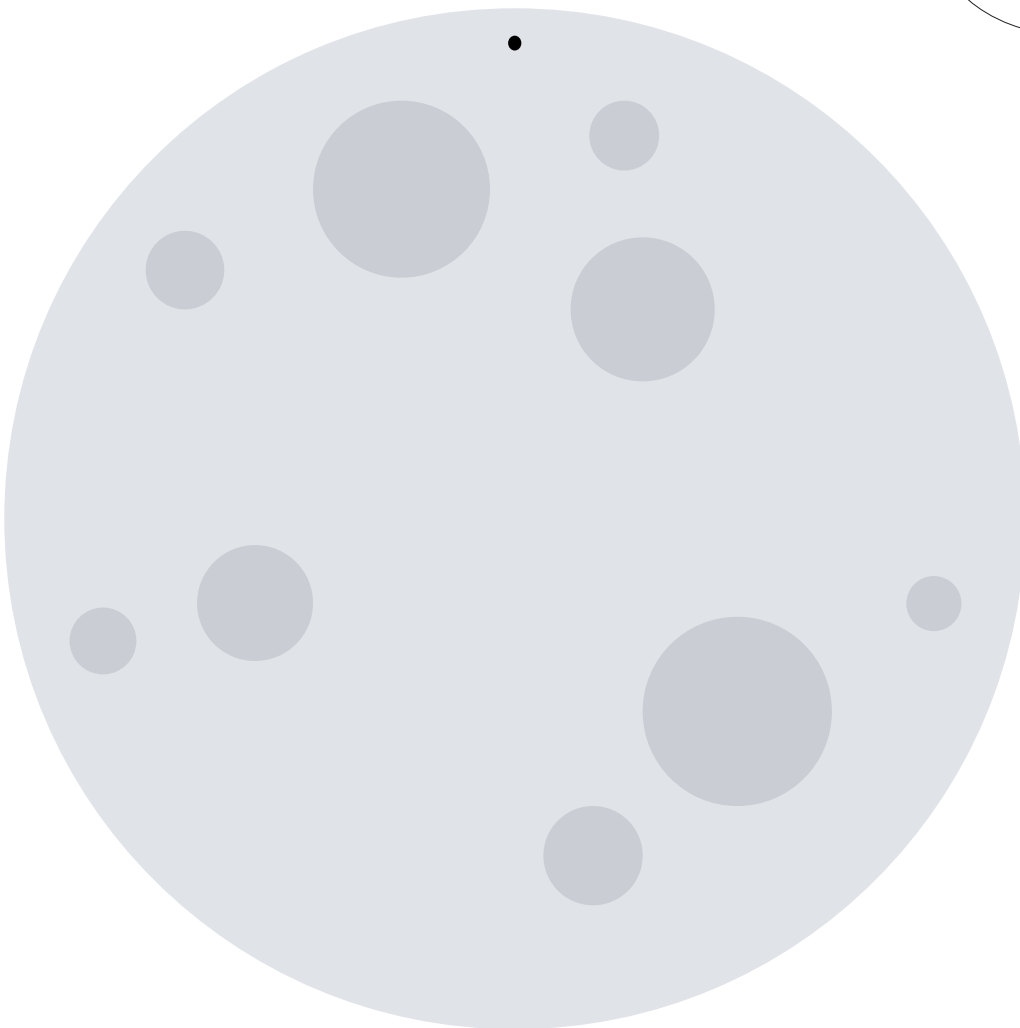
STARS



CLOUDS



MOON



TEMPLATES

Bonus

RED
FLAMES



ORANGE
FLAMES



NOZZLES



VULCAIN 2.1 MOTOR



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