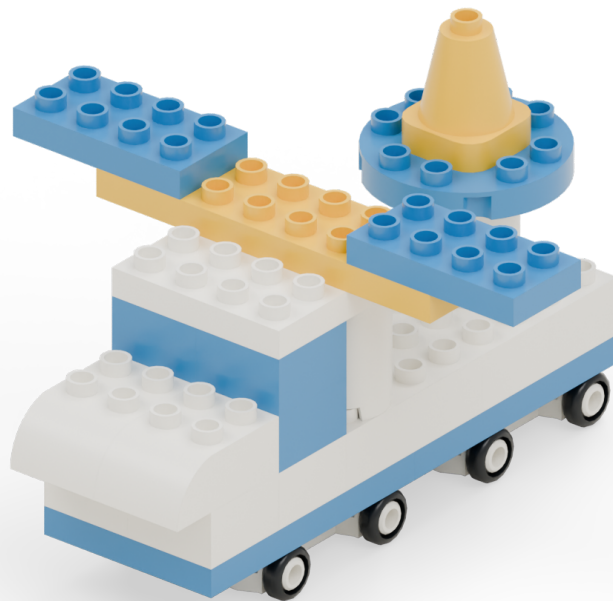


BUILD TOGETHER

Moon rover

31 pieces / 11 steps

Wide solar-panel shapes and a tall antenna turn this wheeled vehicle into a moon rover. Build the cabin and imagine a slow trip across a new landscape.



A little model, a little story

Name your rover.

Draw three places for it to explore.

Send a pretend message back to Earth.

Digital guide; no bricks included. Make it together with an adult.

GETTING STARTED

Before you build

Match the shapes

Compare each part with its picture and count its rows of studs. A square brick has two rows of two studs; a long brick has two rows of four. Use the full parts list for the exact shapes and quantities.

Follow the colours

Match the shapes and quantities. The pictures show our colours. Colour names in the steps refer to the pictures. Keep contrasting colours where they help you recognise the model.

Count the studs

The bumps on top are called studs. Count them when a step asks for a gap or an overhang. Put the build on a flat surface and keep its front facing the same way as in the pictures.

Add a little at a time

New pieces keep their colour in each step. Earlier pieces look lighter so you can see what has changed. Each list tells you exactly what to add.

Build together

An adult can read the steps while a child finds the pieces. The counts are for this one model. For two models to stay built, add their parts lists together.

About this build

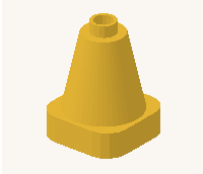
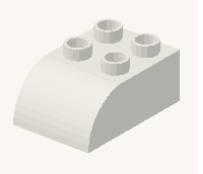
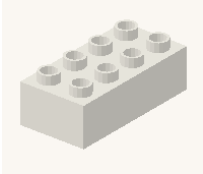
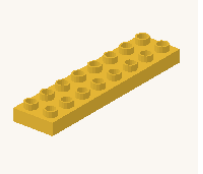
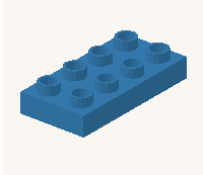
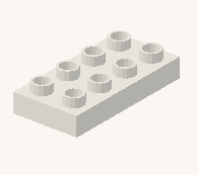
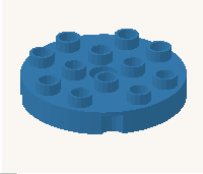
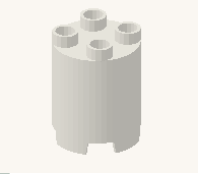
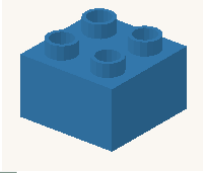
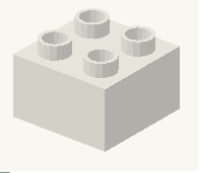
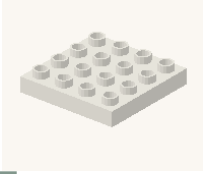
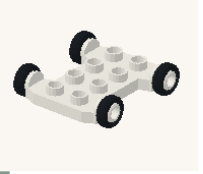
The solar panels and antenna are fixed brick details. They do not fold or turn.

GATHER YOUR PIECES

Exact parts checklist

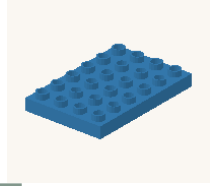
Match the shapes and quantities. The pictures show our colours. Choose your own colours for the same parts; changing a part's shape is a different substitution.

A wheeled base with its attached wheels counts as one assembled piece.

 1 x Tower cone (2 × 2 studs) Yellow Part 47408 ☐	 2 x Curved brick (2 × 3 studs) White Part 2302b ☐
 2 x Long brick (2 × 4 studs) White Part 3011 ☐	 1 x Long plate (2 × 8 studs) Yellow Part 44524 ☐
 2 x Small plate (2 × 4 studs) Blue Part 40666 ☐	 2 x Small plate (2 × 4 studs) White Part 40666 ☐
 1 x Round plate (4 × 4 studs) Blue Part 98222 ☐	 3 x Round tower brick (2 × 2 studs) White Part 98225 ☐
 4 x Square brick (2 × 2 studs) Blue Part 3437 ☐	 8 x Square brick (2 × 2 studs) White Part 3437 ☐
 1 x Square plate (4 × 4 studs) White Part 14721 ☐	 2 x Wheeled vehicle base (4 × 4 studs) White Part 42093 ☐

GATHER YOUR PIECES

Exact parts continued

**2 x Wide plate (4 × 6 studs)**

Blue

Part 25549



GATHER YOUR PIECES

Shape-only checklist

Use this list to sort the shapes. Check the full colour list before building; the two lists count the same pieces.

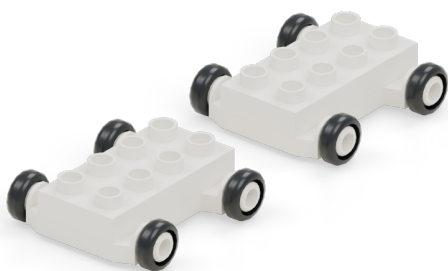
- ☐ 1 x Tower cone (2 × 2 studs)
- ☐ 2 x Curved brick (2 × 3 studs)
- ☐ 2 x Long brick (2 × 4 studs)
- ☐ 1 x Long plate (2 × 8 studs)
- ☐ 4 x Small plate (2 × 4 studs)
- ☐ 1 x Round plate (4 × 4 studs)
- ☐ 3 x Round tower brick (2 × 2 studs)
- ☐ 12 x Square brick (2 × 2 studs)
- ☐ 1 x Square plate (4 × 4 studs)
- ☐ 2 x Wheeled vehicle base (4 × 4 studs)
- ☐ 2 x Wide plate (4 × 6 studs)

Total: 31 pieces

BUILD, ONE STEP AT A TIME

Step 1 - 2

01 / Set two white wheeled bases in a line with two clear rows between them. Cover each chassis with a white small plate; the eight black wheels are already attached.



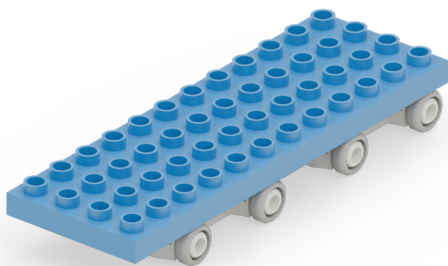
ADD THESE PIECES

2 x Small plate (2 × 4 studs) (White)

2 x Wheeled vehicle base (4 × 4 studs) (White)

New pieces keep their colour. Earlier pieces are lighter.

02 / Make the blue body floor with two wide plates end to end. Align the back of the floor with the back chassis; the front projects two rows beyond the front chassis.



ADD THESE PIECES

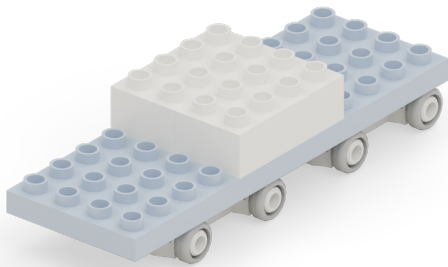
2 x Wide plate (4 × 6 studs) (Blue)

New pieces keep their colour. Earlier pieces are lighter.

BUILD, ONE STEP AT A TIME

Step 3 - 4

03 / Bridge the middle floor seam with two white long bricks side by side.

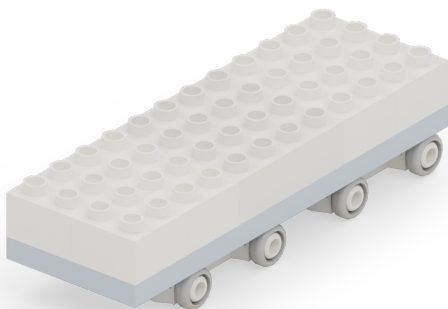


ADD THESE PIECES

2 x Long brick (2 × 4 studs) (White)

New pieces keep their colour. Earlier pieces are lighter.

04 / Fill the back and front floor sections with eight white square bricks, two across each row.



ADD THESE PIECES

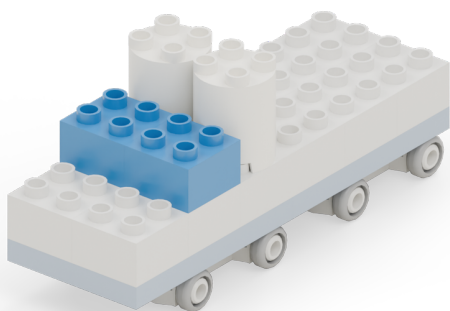
8 x Square brick (2 × 2 studs) (White)

New pieces keep their colour. Earlier pieces are lighter.

BUILD, ONE STEP AT A TIME

Step 5 - 6

05 / Start the cabin with two white round tower bricks side by side, directly in front of the middle seam. Add two blue squares in front of them as the lower windscreen.



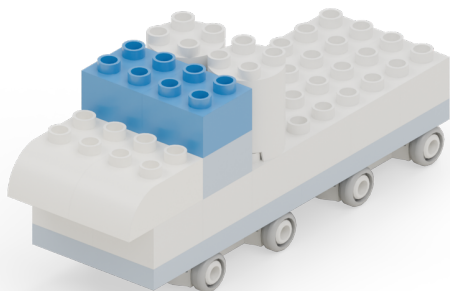
ADD THESE PIECES

2 x Round tower brick (2 × 2 studs) (White)

2 x Square brick (2 × 2 studs) (Blue)

New pieces keep their colour. Earlier pieces are lighter.

06 / Raise the windscreen with two more blue squares. Add two white curves to the nose in front, rounded ends pointing forward.



ADD THESE PIECES

2 x Curved brick (2 × 3 studs) (White)

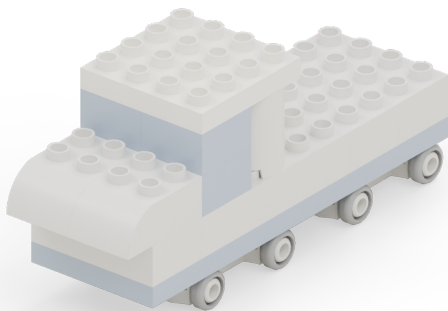
2 x Square brick (2 × 2 studs) (Blue)

New pieces keep their colour. Earlier pieces are lighter.

BUILD, ONE STEP AT A TIME

Step 7 - 8

07 / Cap the cabin with the white square plate, spanning the round pillars and blue windscreen.

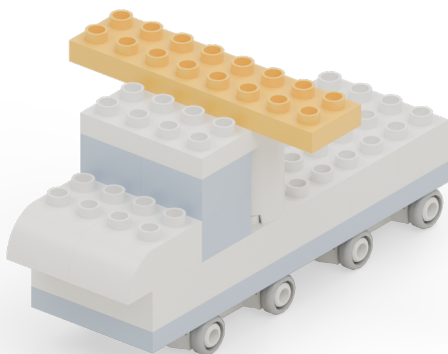


ADD THESE PIECES

1 x Square plate (4 × 4 studs) (White)

New pieces keep their colour. Earlier pieces are lighter.

08 / Centre the yellow long plate across the back half of the cabin roof as the solar-panel beam. It reaches two stud columns beyond each side of the cabin.



ADD THESE PIECES

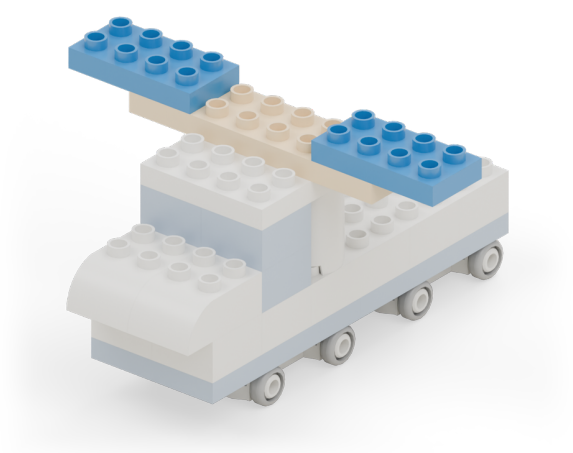
1 x Long plate (2 × 8 studs) (Yellow)

New pieces keep their colour. Earlier pieces are lighter.

BUILD, ONE STEP AT A TIME

Step 9 - 10

09 / Add a blue small plate across each end of the yellow beam as a solar panel. Each panel has two columns on the beam and two projecting beyond it; leave the four columns over the cabin clear.

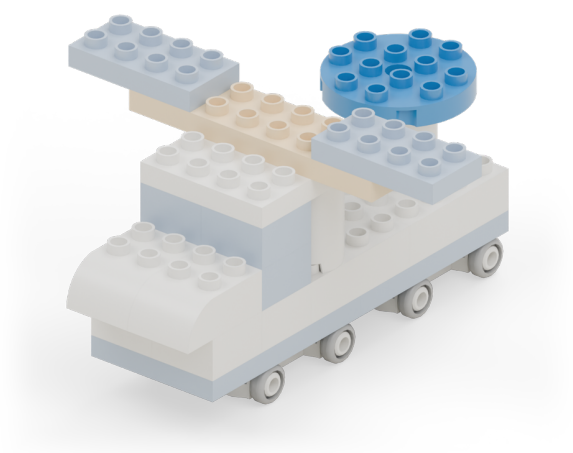


ADD THESE PIECES

2 x Small plate (2 × 4 studs) (Blue)

New pieces keep their colour. Earlier pieces are lighter.

10 / Stand the white round tower brick on the middle of the rear deck. Cap it with the blue round plate, centred over the tower.



ADD THESE PIECES

1 x Round plate (4 × 4 studs) (Blue)

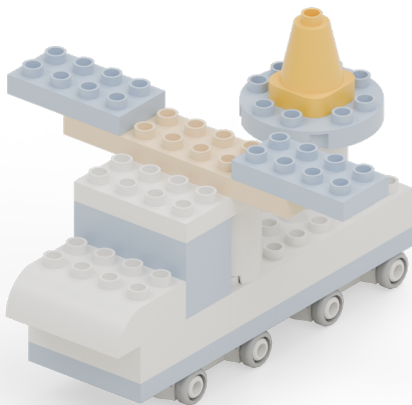
1 x Round tower brick (2 × 2 studs) (White)

New pieces keep their colour. Earlier pieces are lighter.

BUILD, ONE STEP AT A TIME

Step 11

11 / Centre the yellow cone on the blue round plate as the rover's antenna. Leave its small top stud free.



ADD THESE PIECES

1 x Tower cone (2 × 2 studs) (Yellow)

New pieces keep their colour. Earlier pieces are lighter.

READY TO PLAY

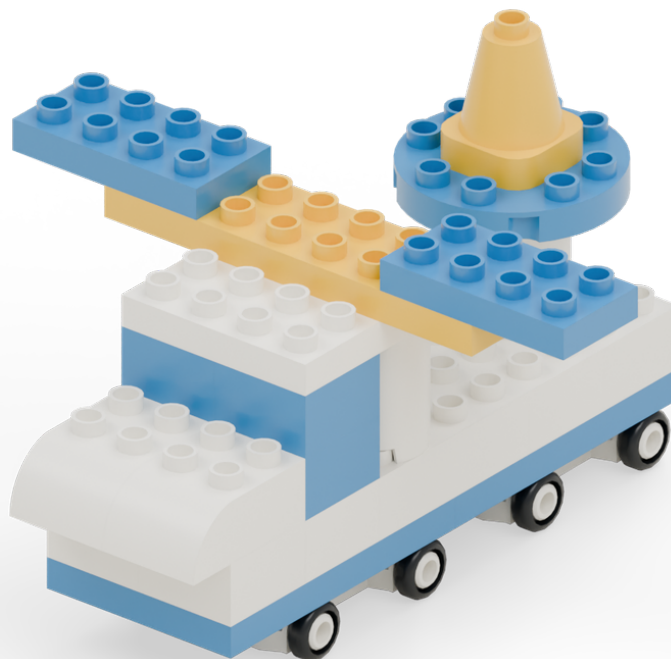
Your little story

Name your rover.

Draw three places for it to explore.

Send a pretend message back to Earth.

The solar panels and antenna are fixed brick details. They do not fold or turn.



SOURCES AND CREDITS

Part references

Original assembly. Part geometry adapted from the LDraw Parts Library; attribution and source notices retained. Colours are illustrative.

Source revision: 902aeb54d08717a66664585bed46419a1e97043d3d645f04808637b1ba0cd83e

42093 / Michael Heidemann [mikeheide] / Licensed under CC BY 4.0 : see CAreadme.txt

<https://library.ldraw.org/library/official/parts/42093.dat>

40666 / Paul Schelleman [schellie] / Licensed under CC BY 2.0 and CC BY 4.0 : see CAreadme.txt

<https://library.ldraw.org/library/official/parts/40666.dat>

25549 / Gerald Lasser [GeraldLasser] / Licensed under CC BY 4.0 : see CAreadme.txt

<https://library.ldraw.org/library/official/parts/25549.dat>

3011 / Tony Hafner [hafhead] / Licensed under CC BY 4.0 : see CAreadme.txt

<https://library.ldraw.org/library/official/parts/3011.dat>

3437 / Tony Hafner [hafhead] / Licensed under CC BY 4.0 : see CAreadme.txt

<https://library.ldraw.org/library/official/parts/3437.dat>

98225 / Philippe Hurbain [Philo] / Licensed under CC BY 4.0 : see CAreadme.txt

<https://library.ldraw.org/library/official/parts/98225.dat>

2302b / Tony Hafner [hafhead] / Licensed under CC BY 4.0 : see CAreadme.txt

<https://library.ldraw.org/library/official/parts/2302b.dat>

14721 / Philippe Hurbain [Philo] / Licensed under CC BY 4.0 : see CAreadme.txt

<https://library.ldraw.org/library/official/parts/14721.dat>

44524 / Paul Schelleman [schellie] / Licensed under CC BY 2.0 and CC BY 4.0 : see CAreadme.txt

<https://library.ldraw.org/library/official/parts/44524.dat>

98222 / Philippe Hurbain [Philo] / Licensed under CC BY 4.0 : see CAreadme.txt

<https://library.ldraw.org/library/official/parts/98222.dat>

47408 / Philippe Hurbain [Philo] / Licensed under CC BY 4.0 : see CAreadme.txt

<https://library.ldraw.org/library/official/parts/47408.dat>

Original model and instructions by Little Build Club. Independent of the LEGO Group. LEGO and DUPLO are trademarks of the LEGO Group, which does not sponsor or endorse this guide. Full part-source notices and software licences are included in the offline ZIP.