

60429 Spaceship and Asteroid Discovery

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Join your little astronaut for out-of-this-world adventures with this 4+ LEGO® City Spaceship and Asteroid Discovery (60429) playset, featuring a toy spaceship and 2 asteroid surface scenes depicting a laboratory and an excavation area with a crane. Just add the 2 space-crew minifigures, alien figure and crystal-rich meteorite for imaginative play and storytelling.

LEGO City spaceship toy playset – Treat your budding space explorer to hours of fun adventures with the LEGO City Spaceship and Asteroid Discovery playset for ages 4 and up

What's in the box? – This space toy has all kids need to build a spaceship, crane, lab and excavation scenes, a meteorite containing toy energy crystals, 2 space crew minifigures and an alien figure

Creative play – Kids can play landing a spaceship on an asteroid, use the crane to lift the meteorite containing toy energy crystals and carry out tests at the space lab

Dimensions – The spaceship in this 126-piece set measures over 1.5 in. (4 cm) high, 5.5 in. (14 cm) long and 3.5 in. (9 cm) wide

The front of the box shows a light blue astronaut piloting his spaceship through space. Below the spaceship, there is the space station located on two space rocks. One has the crane opening asteroids looking for crystals! And the other one has the green astronaut bringing crystals to study more about them!

The back of the box shows all the accessories this set comes with. It comes with the spaceship, the space station, a crane with 2 big rocks, 1 slime creature, 2 minifigures, 1 metal detector, 1 drill, and 5 crystals. 2 smaller pictures show that the spaceship can open up to allow a minifigure in and that the space station can be used to study more about crystals!

The top of the box shows the light blue and green astronauts chasing after crystals that are floating away in space!

The build is 126 pieces in total and is for ages 4+.

Bag 1 includes the pieces to make the spaceship and 1 minifigure. Bag 2 includes the pieces to make the crane, space station, and a minifigure.

Welcome to Text-Based Building Instructions from Bricks for the Blind. Here is some helpful information on how to best use screen readers and browsers: bricksfortheblind.org/help-with-screen-readers. Before you start building, here are some terms we will be using:

- In Front of/Front: towards you.
- Behind/Back: away from you.
- Up: towards the ceiling.
- Down: towards the floor.
- Stud: the bump on a LEGO brick. Example: A 2x1 brick has two studs on it.
- Vertically: with the longest side going from front to back
- Horizontally: with the longest side going from left to right.
- Upright: pointing up towards the ceiling.
- Standing upright: The piece is perpendicular to the ground, like a wall.
- Lying flat: The piece is parallel to the ground, like a piece of toast which fell off the table.
- That one/ppp: previously placed piece.

- Plate: piece with studs.
- Tile: smooth piece without studs (unless otherwise specified)
- A jumper plate is a 1x2 plate with a single stud on top, or a 1x3 plate with only two studs on top.
- “Anti-stud” is a term for the portion of a LEGO piece which accepts studs, like the bottom of a plate or brick.
- Symmetrically: a mirror image. Example: If you place a 2x1 brick with technic connector on the front wall at the right, connector to the front, and then place another such piece symmetrically on the back wall, at the right, the technic connector of the second piece should point to the back, since it will be placed symmetrically.
- Centered-vertically: even amount of space in front of and behind piece
- Centered-horizontally: even amount of space left and right of piece.
- Row: studs lined up horizontally (left to right/side to side).
- Column: studs lined up upright or vertically (top to bottom/back to front).

For builders with low vision, or a sighted building partner may want to follow along with the printed visual instructions that come with each kit, or PDF versions are always online at LEGO.com for each set: (<https://www.lego.com/en-us/service/buildinginstructions/60429>) As low vision users may benefit from viewing the instructions on a personal device where they can zoom in on content and use assistive technologies to enhance the visuals.

Sorting the pieces:

To begin a successful build, it helps to sort the pieces into groups, bags, or small containers. Have a friend or family member do this in advance following the instructions below. You will see that the pieces should be sorted according to the building steps in the kit. Doing this in advance makes locating the pieces for each step easier. See below on how to sort the pieces to correspond to the steps in this set. Number the containers using letters A-Z, numbers, or meaningful names. The parts will be sorted into one or a small number of steps in the instructions. Example: Steps 1-3 means collect all the parts used in steps 1,2 and 3 and put them in one container.

This LEGO set comes with 2 bags labeled 1 and 2, 2 sets of instructions, and some loose pieces. Sort the pieces into groups or piles as described below. Note that where there are multiple colors of the same brick in a step, the colors will be split into 2 groups to make telling the difference easier for the builder! LEGO includes a few spare parts in case you lose something. Set these into their own group away from the rest, in case you need them later.

Note that there are no steps, so instead we will use page numbers.

Bag 1 - Minifigure and Spaceship

Group 1 - Pages 6 - 9.

Group 2 - Pages 10 - 29.

Group 3 - Pages 30 - 51.

Group 4 - Pages 52 - 77

Bag 2 - Minifigure and Space Station

Group 5 - Pages 4 - 7.

Group 6 - Pages 8 - 13.

Group 7 - Pages 14 - 25.

Group 8 - Pages 26 - 33.

Group 9 - Pages 34 - 53.

Group 10 - Pages 54 - 61.

Let's get to building!

Building Instructions (Bag 1, Book 1):

Group 1 - Light blue Astronaut and Energy Cell

Step 6

Locate 1 white pair of legs with a dark blue belt, 1 white torso with light grey padded armor and light blue arms, 1 yellow head with a middle-aged male face smiling print, 1 light blue helmet, 1 transparent visor, and 1 transparent purple crystal.

Step 7

Assemble your minifigure, attach the visor to the helmet, then put it on your astronaut! Next, attach the crystal to your minifigure's hand!

Step 8

Locate 1 white 1x2 plate, 2 transparent purple 1x1 round bricks, and 1 white 1x2 tile with a battery percentage and list of messages.

Step 9

Put your 1x2 plate horizontally on the table. Then place both 1x1 round bricks on top of this plate side by side. Next horizontally place your 1x2 tile on top of these round bricks. This is the energy cell that powers the ship! Make sure the battery is on the left. Ask a helper to check!

Group 2 - Spaceship

Steps 10 to 11

Locate 1 black 4x6 inverted slope brick and 1 black 4x6 plate with angled sides. Put your inverted slope brick horizontally on the table so the short end is to the left. Next vertically attach the 4x6 angled plate to the left 2 columns of the inverted slope brick so that the 4 studs of the angled plate sit on top of the 4 studs of the inverted slope brick. Make sure there is no overhang on the left side of the build.

Steps 12 to 13

Locate 1 large black 12x12 brick with angled sides. Horizontally place it in front of you so the shorter end is on the left. Now using the left 2 columns of this piece, attach it to the right 2 columns of the inverted slope brick from steps 10-11 so that it is centered. If you're having trouble attaching the inverted slope brick and plate from step 10-11, place them under the 2 leftmost columns of the 12x12 brick.

Steps 14 to 15

Locate 1 sand blue 2x4 plate. Vertically place it on the rightmost 2 columns so it sits in the gap.

Steps 16 to 17

Locate 1 light grey 1x4 brick with side studs. Vertically place it on the rightmost column so it sits in the gap and the side studs face right.

Steps 18 to 19

Locate 1 red 1x4 brick. Vertically place it to the left of the 1x4 brick with side studs from the previous step.

Steps 20 to 21

Locate 1 tan 2x4 brick. Vertically place it to the left of the red 1x4 brick from the previous step.

Steps 22 to 23

Locate 2 black 2x2 plates with side studs. Place these on the rightmost 2 columns so they sit on top of the 2 bricks and the side studs face right.

Steps 24 to 25

Locate 1 tan 2x4 brick and 1 light green 1x4 plate. Vertically place the 1x4 plate on the left column of the black 2x2 plates with side studs you placed in the previous step. Now to the left of this plate, vertically place your 2x4 brick so it sits on top of the tan 2x4 brick.

Steps 26 to 27

Locate 2 white 2x4 slope bricks. Horizontally place these bricks in front of and behind the light green 1x4 plate and tan 2x4 brick so the right columns of these slope bricks are in line with the light green 1x4 plate. Make sure the slopes slope outwards, one slopes to the front, and the other slopes to the back.

Steps 28 to 29

Locate 1 gold 1x2 tile with a stud. Vertically place it on the rightmost column so it is centered.

Group 3 - Spaceship

Steps 30 to 31

Locate 2 black 1x4 bricks and 1 light blue 1x2 brick. Horizontally place your 1x4 bricks in front of and behind the gold 1x2 tile with a stud, so the right column of these bricks are in line with the gold 1x2 tile. Now vertically place your 1x2 brick in between these 1x4 bricks so it is between their leftmost studs.

Steps 32 to 33

Locate 2 tall white 1x1 bricks. Place your tall 1x1 bricks to the left of the black 1x4 bricks from the previous step.

Steps 34 to 35

Locate 1 tall light grey 2x2 slope brick. Place it vertically in between the tall 1x1 bricks from the previous step so the slope goes to the left.

Steps 36 to 37

Locate 2 white 1x6 curved bricks with 2 studs. Horizontally place them to the left of each of the 2x4 slope bricks that are in the front and back of the build. Make sure these curved bricks are in line with the studs of the 2x4 slope bricks and go curve to the left.

Steps 38 to 39

Locate 2 light grey 1x2 plates with a clip instead of a stud. Centered horizontally, place them 1 behind the other, in between the 2 white 2x6 curved bricks so the clip side sits on the edge of the gap.

Steps 40 to 41

Locate 1 sand blue 2x2 sloped curved tile. Place it in between the 2 white 2x6 curved bricks so it is centered, curves down to the left, and sits on top of the left side of the light grey 1x2 plates you placed.

Steps 42 to 43

Locate 1 white 4x6 brick with sloped sides. Horizontally place it to the left of the 2x2 sloped curved tile so the gap of this brick sits around the 2x2 sloped curved tile from the previous step. Make sure the sloped sides are facing left.

Steps 44 to 45

Locate 2 white 1x2 plates with a clip on the long side, and 1 sand blue 2x4 plate. Horizontally place the 1x2 plates in the middle of the black 1x4 bricks that are on the right side of the build, so the clips face outwards. Now vertically place your 2x4 plate to the left of these 1x2 plates so it is centered.

Steps 46 to 47

Locate 2 white 1x2 slope tiles. Horizontally place them on top of the 1x2 plates with a clip you placed in the previous step so they slope outwards.

Steps 48 to 49

Locate 1 dark grey 2x2 container. Place it in between the 2 white 1x2 slope tiles you placed in the previous step.

Steps 50 to 51

Locate 2 light grey 1x2 plates with a clip instead of a stud. Horizontally place these, 1 behind the other, to the left of the 2x2 container you just placed so the clip sides are on the left.

Group 4 - Spaceship

Steps 52 to 53

Locate 1 white 1x2 plate. Vertically place it on top of the 2 light grey 1x2 plates with a clip instead of a stud you placed in the previous step.

Steps 54 to 55

Locate 2 white 1x1 tile-1x1 slope bricks. Vertically place them on top of the white 1x2 plate you previously placed so that the tile side sits on the 1x2 plate and the slope side sits on the 2x4 plate.

Steps 56 to 57

Locate 1 white 2x2 tile with a print of an orange circle with a dark blue arrow going around it. Place it on top of the dark grey 2x2 container so it clicks into place. The arrow should be facing the front right corner. Ask a sighted person to make sure it is oriented correctly!

Steps 58 to 59

Locate 1 transparent orange 2x2 round brick. Rotate your build 90 degrees clockwise so the angled part of the ship is facing back. Place it in the middle of the front-facing 2x4 studs. This is the fire that the engine from the ship is making!

Steps 60 to 61

Locate 1 tall dark grey 4x4 cone shaped tile with a hole. Place it around the transparent orange 2x2 round brick you just placed.

Steps 62 to 63

Put aside your build for now while we build the sides of the ship. We will be building 2 of the same things so do these steps twice! Locate 1 sand blue 2x4 plate and place it horizontally in front of you.

Steps 64 to 65

Locate 2 dark orange 1x2 plates with a bar. Horizontally place them in the middle of the 2x4 plate so the bars overhang to the front and back.

Steps 66 to 67

Locate 1 white 2x4 sloped curved tile with a sand blue tip. Horizontally place it on the rightmost 2 columns of the 2x4 plate so it overhangs by 2 studs.

Steps 68 to 69

Locate 1 white 2x4 sloped curved tile with a sand blue tip. Horizontally place it on the leftmost 2 columns of the 2x4 plate so it overhangs by 2 studs.

Steps 70 to 71

Make sure you have 2 of these builds! Now bring back your main build and orient it so the angled part of the ship faces left. Now horizontally attach the back bar of your sub-build to the front-facing clip that's on top of the 2x4 slope brick. Now push it down so it is kind of bent. There should be a row of 3 studs to the front of the middle of the side wall's bottom bar. Rotate your build 180 degrees and repeat this step using the other build!

Steps 72 to 73

Locate 1 transparent light blue screen with a bar. This screen is printed with a HUD and displays for the astronaut to look at while piloting. Rotate your build 90 degrees counterclockwise so the angled part of the ship faces front. Horizontally attach the bar of this screen to the 2 clips that are behind the sand blue 2x2 sloped curved tile. Ask a helper to make sure it's oriented correctly!

Steps 74 to 75

Locate 1 transparent black large curved windshield with a bar. Vertically attach the bar of this windshield to the 2 clips that are 3 rows behind the transparent light blue screen you just placed. Make sure to lower the windshield and that it curves down to the front.

Steps 76 to 77

Locate the crystal you put in your minifigure's hand from earlier! You can put it into the dark grey container that's on the ship! Now locate the energy cell you built earlier! Behind the dark grey container, horizontally place your energy cell build. Ask a sighted person to make sure it is oriented correctly, the battery side should be on the right. Now you have power in your ship! Put your minifigure in and prepare for lift off!

Building Instructions (Bag 2, Book 2):

Group 5 - Green Astronaut and Alien

Step 4

Locate 1 white pair of legs with a dark blue belt, 1 white torso with light grey padded armor and green arms, and dark blue gloves, 1 yellow head with a smiling female with eyelashes print, 1 green helmet, and 1 transparent visor.

Step 5

Assemble your minifigure and attach the visor to the green helmet. Then put the helmet on your minifigure!

Step 6

Locate 1 light green 2x2 round brick with leaves all around it and 1 light green 2x2 dome with a face with 3 cute eyes and a mouth on it.

Step 7

Attach the dome to the round brick with leaves and now you have an alien!

Group 6 - Boulders and Crystals

Steps 8 to 9

Locate 2 black boulder bottoms and 2 black boulder tops. Attach the top part to the bottom and make sure they click in. You should have 2 identical boulders now.

Steps 10 to 11

Locate 2 black 2x2 round tiles with a pinhole. Put these on top of the boulders, so the holes are facing front.

Steps 12 to 13

Locate 3 transparent purple crystals. You can open the boulders and put these in! Now put these aside while we build the Space Station.

Group 7 - Space Station

Steps 14 to 15

Locate 1 dark tan 10x10 octagonal plate and 1 light grey 2x4 plate with a pin sticking out of the top. Place the octagonal plate in front of you so the studs are in rows and columns. Now horizontally place the 2x4 plate with pin in the center.

Steps 16 to 17

Locate 4 sand blue 2x2 sloped curved tiles. Place 1 on the left column of the 2x4 plate that's in the center so the curve goes down to the left. Repeat for the right column. Now place 1 in front of the 2x2 tile with the pin sticking out of it so the curve goes down to the front. Repeat symmetrically to the back. Now you should have a sloped curved tile on each side around the 2x2 tile with a pin sticking out of it.

Steps 18 to 19

Locate 1 black 4x4 round brick. This brick has a pin hole in the center. Place it on top of the pin sticking out of the center so it can freely spin around. Make sure it is oriented so the studs are in columns and rows.

Steps 20 to 21

Locate 2 white 1x2 plates. Horizontally place them, 1 behind the other, on the left 2 columns of the 4x4 round brick.

Steps 22 to 23

Locate 1 white 2x2 plate with a hinge. Place it on top of the 2 previously placed pieces so the hinge is on the left.

Steps 24 to 25

Locate 2 light grey 1x1 tile-1x1 slope bricks and 1 white 2x2 slope brick printed with a light blue and dark blue computer screen. Vertically place the 2 light grey 1x1 tile-1x1 slope bricks on the second column from the left of the 4x4 circular brick so that the slopes go down outwards of the build and there is no overhang. Then to the right of these bricks, place your 2x2 slope brick vertically so it is centered and the slope goes down to the right. Put this build aside for now while we build the crane.

Group 8 - Crane

Steps 26 to 27

Locate 2 light grey 1x4 bricks with hinges and hinge connectors, and 2 dark orange 1x4 tiles. Attach each tile to each of the 1x4 bricks. Then attach the hinge of 1 brick to the hinge connector of the other brick. Then horizontally place this part in front of you so the hinge is on the left side and the hinge connector is on the right side

Steps 28 to 29

Locate 1 dark grey hook attached to a ball and 1 black hinge connector with a ball connector. Insert the ball of the hook into the ball connector, then attach the hinge connector to the left hinge of the 1x4 hinge brick.

Steps 30 to 31

Bring back your main build and orient it so the hinge on the black 4x4 round brick is facing you. Now take your crane build and vertically attach the hinge connector of the 1x4 brick to the hinge on the main build. Make sure the hook is facing upwards.

Steps 32 to 33

Locate 1 of your boulders. Now you can bend the crane at the hinges and insert the hook into the pinholes that are on top of the boulder.

Group 9 - Space Station

Steps 34 to 35

Put this build aside for now while we build the rest of the space station. Locate 1 dark tan 10x10 octagonal plate and 1 dark grey 1x6 arch brick. Place the octagonal plate in front of you so the studs are in rows and columns. Then centered horizontally, place your 1x6 arch brick on the second row from the back.

Steps 36 to 37

Locate 1 dark grey 1x6 arch brick. Horizontally place it in front of the previous piece so it is centered.

Steps 38 to 39

Locate 2 white 3x3 plates. Place these 1 to the right of the other on top of the 2 arch bricks so they overhang by 1 row to the front.

Steps 40 to 41

Locate 1 white 1x4 brick and 2 tall white 1x1 bricks. Horizontally place your 1x4 brick on the back row of the 3x3 plates from the previous step so it's centered. Then to the left and right of this brick, place your tall white 1x1 bricks.

Steps 42 to 43

Locate 1 transparent light blue 1x4 panel printed with a computer screen and a bar showing how crystals are turned into energy. Horizontally place this panel on top of the white 1x4 brick so the wall side is facing the front.

Steps 44 to 45

Locate 2 gold 1x2 tiles with a stud, 1 white 2x2 slope brick printed with a blue and dark blue screen, and 1 transparent purple crystal. Place the 2x2 slope brick in front of the 1x4 panel you placed in the last step so it's centered and slopes down to the front. Then to the left and right of this slope brick, vertically place your gold 1x2 tiles so they sit in front of the tall white 1x1 bricks. Next place your purple crystal on the stud of the left gold 1x2 tile.

Steps 46 to 47

Locate 2 white 1x2 inverted slope bricks. Horizontally place them on top of the tall white 1x1 bricks so one slopes to the left, and the other slopes to the right.

Steps 48 to 49

Locate 1 white 1x8 plate. Horizontally place it on top of the 2 inverted slope bricks and 1x4 panel so that there is no overhang.

Steps 50 to 51

Locate 1 sand blue 1x6 tile and 2 transparent orange 1x1 round tiles. Horizontally place your 1x6 tile in the center of the white 1x8 plate you placed in the previous step. Then to the left and right of this tile, place your 2 round tiles.

Steps 52 to 53

Locate 1 dark grey 1x6 arch brick. Horizontally place it on the 2nd row from the front so it is centered.

Group 10 - Space Station

Steps 54 to 55

Locate 2 white 1x2 bricks with clips and 1 dark orange 1x4 tile. Horizontally place your 2 white 1x2 bricks on top of the arch brick from the previous step so together they are centered with their clips to the front. Then, horizontally place your 1x4 tile onto the previous pieces.

Steps 56 to 57

Locate 1 dark grey drill and 1 black metal detector. Attach the bottom of the drill to the left front-facing clip. Then place the bar that is right above the round part of the metal detector in the right front-facing clip.

Steps 58 to 59

Now we'll make a battery to power the space station! Make a part: Locate 1 white 1x2 plate, 2 transparent purple 1x1 round bricks, and 1 white 1x2 tile with a battery percentage and list of messages. Place your 1x2 plate horizontally on the table. Then place both 1x1 round bricks on top of this plate side by side. Next horizontally place your 1x2 tile on top of these round bricks.

Steps 60 to 61

Now take your battery build and vertically place it on top of the gold 1x2 tile with a stud that is to the right of the 2x2 slope brick.

Congratulations you finished the Spaceship and Asteroid Discovery!

At the end of the instruction booklets are advertisements for the following 6 LEGO CITY Theme kits:

60399 - Green Race Car

60400 - Go-Karts and Race Drivers

60401 - Construction Steamroller

60402 - Monster Truck

60404 - Burger Truck

60406 - Race Car and Car Carrier Truck

Thank you so much for building this set!

Visit bricksfortheblind.org for more accessible instructions and follow us on [Facebook](#) and [Instagram](#) to be the first to know when new instructions are available!

We also love seeing your completed builds, so please tag our [Facebook](#) and [Instagram](#) accounts in any photos of your builds so we can share your accomplishments with our Bricks for the Blind community.

We hope you enjoyed building your LEGO set! Bricks for the Blind is able to create these text-based building instructions thanks to generous donations from our builders. If you enjoy the instructions we create, please consider making a \$5 donation at: <https://www.gofundme.com/f/bricks-for-the-blind-gofundme>.