11514 Cosmos Flowers

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Let a love for nature blossom with the charming LEGO® Botanicals Cosmos Flowers (11514) building set for kids ages 9 and up. Offering a perfect balance of vibrancy and tranquility, this nature-inspired set features 3 detailed cosmos flowers and 2 stems of fluffy red fountain grass. The cosmos flowers are white, magenta and pink, and if you look closely, you'll spot a tiny bug. Once the LEGO blooms are complete, kids can channel their inner florist and arrange them into a custom pose before displaying them as eye-catching bedroom or desk decor.

FLOWER BUILDING SET – Kids can let their imaginations flourish with the LEGO® Botanicals Cosmos Flowers (11514) set for girls and boys ages 9 and up.

PETITE FLORAL DISPLAY – Kids and nature lovers can create 3 detailed stems of cosmos flowers and 2 stems of fluffy red fountain grass, which they can arrange in any order.

BUDDING WITH DETAILS – The cosmos flowers are white, pink and magenta, and the set includes a little bug for added cuteness.

FLOWER DECOR – Once budding florists have finished creating their arrangement, they can show it off proudly as small desk or bedroom decor.

DIMENSIONS – The 171-piece bouquet measures over 9 in. (23 cm) high, 5.5 in. (14 cm) wide and 5 in. (13 cm) deep.

The front of the box shows 3 different flowers and 2 stems with fluffy red grass. The flowers are white, pink, and magenta!

The back of the box shows the flowers and stems in a glass vase!

The top of the box shows a dark pink petal.

The build is 171 pieces in total and is for ages 9+.

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).

A note on LEGO Technic™ part names. These parts are somewhat different from regular LEGO bricks. Here are some definitions in case the builder or helper is not familiar with LEGO Technic™.

Axles - An axle is a connector which has an X shaped cross-section. Because their cross section is not round, anything connected to an axle using an axle-hole will rotate with that axle. Axles are longer than they are wide, and the length of an axle corresponds with how many bricks long it is. Aka a 3L axle is three bricks long. Axles come in a variety of lengths, with a 2L axle being the shortest available. They may be combined with pins, or have circular stops on them. A stop prevents the axle from sliding through an axle-hole at a specific point on the axle.

Pins - A pin is a connector which has a circular cross section and a flanged notch out of one or both ends. This flanged notch allows them to click into bricks with a pin-hole. Pins come with and without friction ridges, which are small bumps on the pin which prevent them from rotating freely. For standard pins, black is a high friction pin, and gray is a low friction pin. A standard length pin is two brick lengths long, with a stop in the middle. This prevents a brick from being pushed from one side of the pin to the other. A 1L pin is one brick long and still retains the stop, however it also includes a hollow stud at the other end. A 3L pin is three bricks long, and only contains a stop at one side, allowing two bricks to be pushed onto the other side of the pin. Pins may also have one side which is an axle.

Technic brick - a brick which contains one or more holes which accept technic pins.

Lift-arms - A lift-arm is a basic structural element, similar to a brick or a plate, but usually without any studs. It is a beam with rounded ends and with holes in it, with the same spacing as the studs on a LEGO brick. lift-arms come in a variety of lengths, including a 1x1 lift-arm which looks like a cylinder. Thick lift-arms are as wide as a LEGO brick, and thin lift-arms are half as wide as a LEGO brick, but not the same thickness as a LEGO plate! The holes in a lift-arm arm may accept axles or pins. They also come in a variety of shapes, including tees, ells and triangles.

Gears - A gear is a functional element. They are typically discs with teeth on the outside, there are also worm gears which look like a spiraling cylinder! Gears connected by axles transmit or even transform rotational motion!

Axle and Pin Connectors - These elements are typically smaller than lift-arms and are used to connect some combination of pins or axles. They might have pins or axles, as well as axle or pin-holes. They have

a lot of different angle combinations! The simplest just connects two axles or pins together in a straight line.

Bushes/Bushings - LEGO Technic™ uses bushes largely as spacers, but they also can reduce friction between rotating parts, or can form useful elements such as handles. Bushes are typically light gray, generally cylindrical, and have an axle-hole running through the middle. They have a flange at the front and back to make them easier to pull on and off.

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/11514) 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 3 bags labeled 1 to 3, 1 set 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.

Bag 1 – Magenta Flower
Group 1 – Steps 1-9.

Bag 2 – Pink Flower and White Flower
Group 2 – Steps 1-6.
Group 3 – Steps 1-10.

Bag 3 – 2 Red Fountain Grass Stems
Group 4 – Steps 1-10.

Let’s get to building!

Building Instructions (Bag 1, Book 1):

Group 1 – Magenta Flower

Step 1

Place a light green 2x2 round brick with 4 petals in front of you. Then place a green 2x2 round plate with 8 bars on top.

Step 2

Place a pink 2x2 round tile with a stud on top. Then place a yellow 1x1 round plate on top.

Step 3

Place a yellow 1x1 flower with a stud on top. Then place a light orange 1x1 spikey flower bud on top of the ppp.

Step 4.1

Let’s make 8 identical parts! Horizontally place a magenta shield with a handle in front of you so the handle faces up and the pointy side of the shield faces the right. This is a petal! Now insert the bar of a transparent 1x1 round plate with a bent bar underneath, into the right-facing hole underneath the handle so the stud faces up and to the right. Now place a pink 1x1 tile with an upright clip on top of the stud of the ppp so the clip hands are on the left and right.

Step 4.2

Now you should have 8 identical parts! Attach the clip of 1 part to the front-facing bar so the pointy side of the petal faces the back. Now repeat on each of the remaining bars.

Step 5

Flip your flower upside down. Then insert a red 2L axle into the middle top-facing axle hole. Now attach a green 2L angled axle connector with a pinhole to the top-facing axle so the pinhole faces the front and back, and the other axle hole faces up and to the right.

Step 6

Insert a light green 16L axle into the top-facing axle hole of the ppp.

Step 7

Flip your build over so it is upright and the flower angles down to the front. Then slide a green 1L axle connector with 2 bars onto the bottom-facing axle and make sure the bars are on the right and face the front and back. Now push it up so it sits about 3/4ths of the way up.

Step 8.1

Let’s make a part! Horizontally place a green 3x4 leaf plate in front of you so the stud with the longer branch faces the right. Then place a green bar with 3 claws on each of the 2 studs that are in the front so

the claws face the front right. Then repeat symmetrically to the back. Now place another 1 on the rightmost stud so the claws face the right.

Step 8.2

This is a leaf! Attach the leftmost stud of your part to the front-facing bar of the 1L axle connector with 2 bars so the claws are in the front and it points to the top right.

Step 9

Attach a green 3L axle connector to the bottom-facing axle. Now put your flower away while we make another!

Building Instructions (Bag 2, Book 1):

Group 2 – Pink Flower

Step 1

Place a light green 2x2 round brick with 4 petals in front of you. Then place a green 2x2 round plate with 8 bars on top.

Step 2

Place a pink 2x2 round tile with a stud on top. Then place a yellow 1x1 round plate on top.

Step 3

Place a yellow 1x1 flower with a stud on top. Then place a light orange 1x1 spikey flower bud on top of the ppp.

Step 4.1

Let’s make 8 identical parts! Horizontally place a pink shield with a handle in front of you so the handle faces up and the pointy side of the shield faces the right. Now insert the bar of a transparent 1x1 round plate with a bent bar underneath, into the right-facing hole underneath the handle so the stud faces up and to the right. Now place a pink 1x1 tile with an upright clip on top of the stud of the ppp so the clip hands are on the left and right.

Step 4.2

Now you should have 8 identical parts! Attach the clip of 1 part to the front-facing bar so the pointy side of the shield faces the back. Now repeat on each of the remaining bars.

Step 5

Flip your flower upside down. Then insert a light green 16L axle into the middle top-facing axle hole.

Step 6.1

Let’s make a part! Horizontally place a green 3L axle connector in front of you. Then insert a red 2L axle into the right-facing axle hole. Now horizontally attach another 3L axle connector to the ppp. Then insert a red 2L axle into the right-facing axle hole. Finally horizontally attach another 3L axle connector to the ppp.

Step 6.2

Attach your part to the top-facing 16L axle. Now flip it over and put it away while we make another flower!

Group 3 – White Flower

Step 1

Place a light green 2x2 round brick with 4 petals in front of you. Then place a green 2x2 round plate with 8 bars on top.

Step 2

Place a pink 2x2 round tile with a stud on top. Then place a yellow 1x1 round plate on top.

Step 3

Place a yellow 1x1 flower with a stud on top. Then place a light orange 1x1 spikey flower bud on top of the ppp.

Step 4.1

Let’s make 8 identical parts! Horizontally place a white shield with a handle in front of you so the handle faces up and the pointy side of the shield faces the right. Now insert the bar of a white 1x1 round plate with a bent bar underneath, into the right-facing hole underneath the handle so the stud faces up and to the right. Now place a white 1x1 tile with an upright clip on top of the stud of the ppp so the clip hands are on the left and right.

Step 4.2

Now you should have 8 identical parts! Attach the clip of 1 part to the front-facing bar so the pointy side of the petal faces the back. Now repeat on each of the remaining bars.

Step 5

Flip your flower upside down. Then insert a red 2L axle into the middle top-facing axle hole. Now attach a green 2L angled axle connector with a pinhole to the top-facing axle so the pinhole faces the front and back, and the other axle hole faces up and to the left.

Step 6

Insert a light green 16L axle into the top-facing axle hole of the ppp.

Step 7

Flip your build over so it is upright and the flower angles down to the front. Then slide a green 1L axle connector with 2 bars onto the bottom-facing axle and make sure the bars are on the right and face the front and back. Now push it up so it sits about 3/4ths of the way up.

Step 8.1

Let’s make a part! Horizontally place a green 3x4 leaf plate in front of you so the stud with the longer branch faces the right. Then place a green bar with 3 claws on each of the 2 studs that are in the front so the claws face the front right. Then repeat symmetrically to the back. Now place another 1 on the rightmost stud so the claws face the right.

Step 8.2

This is a leaf! Attach the leftmost stud of your part to the front-facing bar of the 1L axle connector with 2 bars so the claws are in the front and it points to the top right.

Step 9.1

Let’s make a part! Horizontally stack 2 light green 2L thin lift arms in front of you. Then insert the axle hole of a light green curved bar with a 1L axle and stud into the left top-facing axle hole so it curves to the left and the stud faces the front.

Step 9.2

Attach a green crown to the left-facing bar so the tips face the left. Then place a lime green ball upright on the ppp. This is a stem with a flower bud that is getting ready to bloom!

Step 9.3

Bring back your white flower so it is vertically upright and the leaf points up and to the right. horizontally attach the rightmost top facing axle hole of your part to the bottom facing axel so the bud faces the left. Slide it upward until it touches the axle connector with the leaf.

Step 10

Insert a green 3L axle connector into the bottom-facing 16L axle. Now put your flower away while we make the 2 red fountain grass stems!

Building Instructions (Bag 3, Book 1):

Group 4 – Red Fountain Grass Stems

Step 1

Let’s make 2 identical parts! Horizontally place a gold 5.5L bar with a stop in front of you so the side with the stop faces the right. Then attach a gold bar with a stud on each end to the right-facing bar.

Step 2

Attach a white 4L bar to the right-facing stud.

Step 3

Insert a magenta 1x1 round plate with 3 leaves into the right-facing bar so it goes all the way to the left, the stud faces the right, and the leaves face the front. Then insert another 1 onto the right-facing bar so it goes all the way and the leaves face the back.

Step 4.1

Let’s make 4 identical parts! Place a magenta 1x1 flower with a stud in front of you. Then place a dark red 1x1 round plate with an open stud on top of the ppp.

Step 4.2

Now you should have 4 identical parts! Stack them all, then slide them onto the right-facing bar so they go all the way to the left and the stud faces the right.

Step 5

Place a magenta 1x1 flower with a stud upright on the right-facing side stud.

Step 6

Lift your part upright so the stud faces up, and the leaves of the lower 1x1 round plate with 3 leaves face the right. Now place a dark red 1x1 round plate with a bent bar on top so the stud faces up and to the right.

Step 7

Place a magenta 1x1 flower with a stud upright on the stud of the ppp. Then place a dark red 1x1 round plate with an open stud on top of the ppp.

Step 8

Place a dark red 1x1 round plate with a bent bar on top of the ppp so the stud faces the right. Then attach a pink closed flower bud with a bar upright to the ppp.

Step 9.1

Let’s make 2 identical parts! Horizontally place a gold 5.5L bar with a stop in front of you so the side with the stop faces the right. Then attach a gold bar with a stud on each end to the right-facing bar.

Step 9.2

Now you should have 2 identical parts! Stack them on top of each other so the bars with a stud on each end are on top. Now attach the top-facing stud of your part to the bottom-facing bar of the main build.

Step 10

Attach a transparent 1x1 round plate with a clip underneath to the bottom of the topmost bar with a stud on each end so the stud faces the front. Then place a transparent 1x1 round tile printed with a blue beetle upright on the front facing stud of the ppp.. Now you should have 2 identical stems!

Congratulations on finishing your build! Would you like to inspire other blind people to build LEGO sets? Let’s feature your build on our Builders page. It’s easy and we will do all the work! Just contact us at info@bricksfortheblind.org and together we will make it happen!

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