

## **60460 No Limits: Race Car Ramp Track**

Adapted by John Le and tested by Jolene Nemeth.

Elevate your child's playtime excitement with the LEGO® City No Limits: Race Car Ramp Track (60460) toy for ages 6 and up. This dynamic soapbox racing set features a towering toy car ramp and 2 unique soapbox race vehicles. Watch as kids place the quirky hot dog and toilet cars at the ramp's peak and flick a lever to send them hurtling from the start line. Complete with 4 minifigures, including hot-dog vendor and plumber drivers, this set inspires imaginative play and storytelling.

LEGO City playsets feature cool vehicles, realistic structures and fun characters for play without limits. Kids can add this soapbox car set to others (sold separately) from the LEGO City range to expand their world of play possibilities.

Soapbox racing set – Send kids' play soaring with this LEGO® City No Limits: Race Car Ramp Track soapbox race car set for enthusiasts aged 6 and up.

What's in the box? – Everything kids need to build a toy car ramp, hot dog and toilet soap box cars and 4 minifigures, including a hot-dog vendor and plumber drivers.

A soapbox car toy packed with details for imaginative play – Kids place the hot dog and toilet soap box cars at the ramp's peak and flick a lever to send them hurtling from the start line.

LEGO® minifigure accessories – This soapbox race car kit comes with accessories for pretend play, including a wheelchair, a winner's trophy, a selfie stick and a tool rack with mechanic's tools.

Dimensions – The ramp in this 436-piece kids' race car set measures over 8.5 in. (22 cm) high, 13 in. (33 cm) wide and 5.5 in. (14 cm) deep.

The front of the box shows the race car ramp! On the ramp, there is a hot dog car racing a toilet car! At the top of the ramp, there is a person with a trophy taking a selfie with the race cars!

The back of the box shows the race car ramp! The hot dog vendor is chasing his car down the ramp because it got loose! At the top of the ramp, the plumber is holding the trophy and taking a selfie with a fan! At the bottom of the ramp, there is a person in a wheelchair repairing the plumber's car!

The top of the box shows a real size image of the hot dog vendor!

The build is 436 pieces in total and is for ages 6+.

Bag 1 includes the pieces for a hot dog vendor and the hot dog car!

Bag 2 includes the pieces for the plumber and the toilet car!

Bag 3 includes the pieces for the ramp.

Bag 4 includes the pieces for the ramp.

Bag 5 includes the pieces for a wheelchair minifigure and the ramp.

Bag 6 includes the pieces for a fan minifigure and the ramp.

Welcome to text-based instructions from Bricks for the Blind. Before you start building, here are some terms we'll 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/60460>) 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 6 bags labeled 1 to 6, 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.

Bag 1 - Hot Dog Vendor and Hot Dog Car

Group 1 - Page 7.  
Group 2 - Steps 1-10.

Bag 2 - Plumber and Toilet Car  
Group 3 - Page 21.  
Group 4 - Steps 1-13.

Bag 3 - Ramp  
Group 5 - Steps 1-10.  
Group 6 - Steps 11-26.

Bag 4 - Ramp  
Group 7 - Steps 27-28.  
Group 8 - Steps 29-41.  
Group 9 - Step 42 and 2 dark grey 2x4 tiles from Step 43.  
Group 10 - Rest of Step 43 and Steps 44-48.  
Group 11 - Step 49 and 2 blue 1x8 plates from Step 50.  
Group 12 - Rest of Step 50 and Steps 51-52.

Bag 5 - Wheelchair Minifigure and Ramp  
Group 13 - Page 52.  
Group 14 - Steps 53-57.  
Group 15 - Step 58.  
Group 16 - Steps 59-71.  
Group 17 - Steps 72-73.

Bag 6 - Fan Minifigure and Ramp  
Group 18 - Page 72.  
Group 19 - Steps 74-81.  
Group 20 - Steps 82-85.  
Group 21 - Steps 86-88 and 4 white 1x2 bricks from Step 89.  
Group 22 - Rest of Step 89 and Steps 90-93.

Let's get to building!

Building Instructions (Bag 1, Book 1):

Group 1 - Hot Dog Vendor

Sub-build 1.1. Locate 1 tan pair of legs, 1 white and red striped torso printed with a happy face and name tag, 1 yellow head printed with eyes, eyelashes, and a smile, 1 red hat with brown hair, 1 light grey claw, and 1 red hotdog. Assemble your minifigure, attach the claw to her hand, then attach the hotdog to the clip!

Sub-build 1.2. Let's make a part! Place a red helmet in front of you so the opening faces the front. Then attach a transparent visor to the front of it. Now you can switch this out with her hat and hair if you like! Now put your minifigure away while we make her hot dog car!

Group 2 - Hot Dog Car

1. Horizontally place a black 2x6 car base with 4 axle connectors in front of you. Now vertically place a nougat 1x4 rounded plate on the rightmost column so it is centered vertically. Then repeat symmetrically to the left.
2. Place a nougat 4x4 plate on top so it is centered horizontally and vertically.
3. Place a tan 2x2 tile with 2 studs on the 2 leftmost columns so it is centered vertically and the studs are on the right. Then repeat symmetrically to the right.
4. Horizontally place a tan 1x4 plate on the front row so it is centered horizontally. Then repeat symmetrically to the back.
5. Horizontally place 2 tan 1x2 sloped curved bricks, 1 to the right of the other, on the front row so they are centered horizontally and slope to the front. Then repeat symmetrically to the back.
6. Place a tan 1x1 sloped curved corner brick on the front left corner so it slopes to the front left. Then repeat symmetrically to the back. Now repeat both parts symmetrically to the right.
- 7.1. Let's make 2 identical parts! Horizontally place a black 1x2 plate with 2x2 side studs sticking up in front of you so the side studs face the front. Now stack 2 red 2x2 round plates upright on the front-facing side studs. Then place a red 2x2 dome brick upright on the ppp.
- 7.2. Now you should have 2 identical parts! Vertically place 1 on the 2nd column from the left so it is centered vertically and the dome brick faces the left. Then repeat symmetrically to the right.
8. Vertically place a yellow 1x2 steering wheel on the leftmost column of studs so the wheel faces the right. Then vertically place a light grey 1x2 slope tile on the rightmost column of studs so it slopes to the left.
9. Insert 2 tan 2L pin axles into the front-facing axle holes so the pins face the front. Then repeat symmetrically to the back.
10. Attach 2 dark grey wheels to the front-facing pins. Then repeat symmetrically to the back. Now put away your car while we make the plumber!

Building Instructions (Bag 2, Book 1):

#### Group 3 - Plumber

Sub-build 2.1. Locate 1 teal pair of legs, 1 white torso printed with teal overalls, 1 yellow head printed with eyes, lips, and a beard, and a yellow construction hat. Assemble your minifigure then place him in front of you.

Sub-build 2.2. Let's make a part! Attach a brown 4L bar to the stud of a red 1x1 half cone brick. This is a plunger! Now attach it to your minifigure's hand then put everything away while we make his car!

#### Group 4 - Toilet Car

1. Horizontally place a black 2x6 car base with 4 axle connectors in front of you. Then horizontally place a mint blue 1x2 plate with 2 side studs sticking up on the back left corner so the side studs face the back. Then repeat symmetrically to the front.
2. Horizontally place a mint blue 1x2 plate with 2 side studs sticking up on the front row to the right of the ppp so the side studs face the front. Then repeat symmetrically to the back.
3. Horizontally place a white 1x2x2 sloped curved brick on the leftmost front-facing side stud so it slopes and overhangs to the left. Then repeat symmetrically to the back.
4. Place a silver 1x1 round plate on the rightmost front-facing side stud. Then horizontally place a white 1x2 slope tile upright to the left of the ppp so it slopes to the right. Now repeat both parts symmetrically to the back.
5. Vertically place a white 1x2 steering wheel on the leftmost column so the wheel faces the right.
6. Place a white 2x2 round brick with 2 pin holes on the 2 rightmost columns so the holes face left and right.
7. Insert a tan 2L pin axle into the right-facing pinhole so the axle faces the right. Now attach a light grey 1L bushing to the right-facing axle.
8. Vertically place a white 1x2x2 brick with side studs on 3 sides on the rightmost column so the side studs face the front, right, and back. Then vertically place another 1 to the left so the side studs face front, left, and back.
9. Place a mint blue 2x2 round tile with a stud on the 2 rightmost columns. Now place a white 1x1 round tile on top of the ppp.
10. Horizontally place a white 1x2 jumper plate upright on the top row of front-facing side studs. Then place a white 2x2 sloped curved tile upright on the front-facing side studs, on the ppp so it slopes down. Then repeat both parts symmetrically to the back.
11. Place a white 3x3 round tile upright on the left-facing side studs so it is centered on them.
12. Insert 2 tan 2L pin axles into the front-facing pin holes so the pins face the front. Then repeat symmetrically to the back.
13. Attach 2 dark grey wheels to the front-facing pins. Then repeat symmetrically to the back. Now put away your car while we make the ramp!

Building Instructions (Bag 3, Book 2):

#### Group 5 - Ramp

1. Horizontally place a black 2x12 plate in front of you.
2. Horizontally place a light grey 1x8 brick on the back row so it is centered horizontally. Now horizontally place a light brown 1x4 half cylinder brick on the front row so it is centered horizontally.

3. Place a light grey 2x2 plate with 2 side studs on the 2 leftmost columns so the side studs face the left. Then repeat symmetrically to the right.

4. Vertically place a light brown 1x2 plate on the 2nd column from the left. Then repeat symmetrically to the right.

5.1. Let's make 2 identical parts! Horizontally place a black 2x12 plate in front of you. Now horizontally place 2 dark grey 1x4 tiles with 2 studs, 1 in front of the other, on the 4 leftmost columns. Then repeat symmetrically to the right. Now horizontally place a dark grey 2x4 tile in between the 4 ppp so it is centered horizontally.

5.2. Now you should have 2 identical parts! Rotate your main build so it is vertical and the 1x8 brick is on the left. Now horizontally place 1 part on the 3rd and 4th rows from the front of the right column so it overhangs 11 columns to the right. Then repeat symmetrically to the back.

6. Vertically place a tan 1x2 rounded plate on the front left corner. Then repeat symmetrically to the back. Now vertically place a tan 1x12 plate to the right of the 2 ppp so it is centered vertically.

7. Vertically place 2 dark grey 2x4 tiles, 1 in front of the other, on the 2 leftmost columns so they are centered vertically.

8.1. Let's make a part! Vertically place a black 2x12 plate in front of you. Then place a light grey 2x2 plate with 2 side studs on the front 2 rows so the side studs face the front. Then repeat symmetrically to the back. Now horizontally place a light brown 1x2 plate on the 2nd row from the front. Then repeat symmetrically to the back. Now vertically place a light brown 1x4 half cylinder brick on the left column so it is centered vertically.

8.2. Vertically place your part underneath the rightmost column of the main build so it is centered vertically.

9. Vertically place a tan 1x2 rounded plate on the front right corner. Then repeat symmetrically to the back. Then vertically place a tan 1x12 plate to the left of the 2 ppp.

10. Vertically place a blue 1x4 brick on the rightmost column so it is centered vertically.

#### Group 6 - Ramp

11-12. Stack 2 light grey 2x2x3 bricks on the front left corner. Then repeat symmetrically to the back. Now repeat both parts symmetrically to the right.

13. Vertically place a black 2x12 plate on the 2 leftmost columns so it is centered vertically. Then repeat symmetrically to the right.

14. Place a nougat spider on the 2 leftmost columns on the 4th and 5th rows from the back so it is centered on the 2x2 studs!

15.1. Let's make 2 identical parts! Horizontally place a light grey 1x12x3 arch brick in front of you. Then place a dark grey 1x1 round brick on the 2nd column from the left. Now repeat symmetrically to the right. Then horizontally place a dark grey 1x10 plate on top so it is centered horizontally.

15.2. Now you should have 2 identical parts! Horizontally place 1 on the front row so it is centered horizontally. Then repeat symmetrically to the back.

16. Vertically place a light grey 1x12x3 arch brick on the rightmost column so it is centered vertically. Then repeat symmetrically to the left.

17. Horizontally place a sand green 1x2 masonry brick on the front right corner so the brick grooves face the front. Then repeat symmetrically to the back. Now repeat both parts symmetrically to the left.

18. Horizontally place a light grey 1x3x2 half arch brick on the leftmost column on the 2nd row from the front so it slopes and overhangs 2 columns to the left. Then repeat symmetrically to the back.

19. Vertically place a dark grey 1x10 plate on the 3rd column from the left so it is centered vertically.

20. Horizontally place a tan 1x2 rounded plate on the front left corner. Then horizontally place a light brown 1x2 plate on top of the ppp. Now repeat both parts symmetrically to the back.

21.1. Let's make a part! Horizontally place a nougat 2x3 plate in front of you. Then place a red 1x1 round plate on the back left corner. Now horizontally place a light grey 1x2 plate with a stud and a clip to the right of the ppp so the clip is on the right. Then horizontally place a light orange 1x2 brick on the front left corner.

21.2. Horizontally place your part on the back right corner so 1 column overhangs to the right and the clip is in the back right.

22. Vertically place a blue 1x8 plate on the rightmost column on top of the arch brick so it is centered vertically.

23.1. Let's make a part! Horizontally place a nougat 2x3 plate in front of you. Then place a red 1x1 round plate on the front left corner. Now horizontally place a light grey 1x2 plate with a stud and a clip to the right of the ppp so the clip is on the right. Then horizontally place a light orange 1x2 brick on the back left corner.

23.2. Horizontally place your part on the front right corner so 1 column overhangs to the right and the clip is in the front right.

24. Horizontally place a tan 1x2x2 brick with 2x2 side studs on the front right corner to the left of the clip so the side studs face the front. Then repeat symmetrically to the back. Now horizontally place another 1 on the 2 leftmost columns of the front row so the side studs face the front. Then repeat symmetrically to the back.

25.1. Let's make 2 identical parts! Horizontally place a light grey 2x14 plate in front of you. Then horizontally place a light grey 2x3 pentagonal tile on the 3 leftmost columns so the angled side faces the right. Then repeat symmetrically to the right.



25.2. Now you should have 2 identical parts! Vertically place 1 upright on the 6 front-facing side studs that are on the 2 rightmost columns. The side studs are at the top and bottom rows of the build! Then repeat symmetrically to the left.

26.1. Let's make 2 identical parts! Horizontally place a light grey 2x14 plate in front of you. Then horizontally place a light grey 2x3 pentagonal tile on the 3 leftmost columns so the angled side faces the right. Then repeat symmetrically to the right. Now horizontally place a lime green 2x6 tile printed with the words "no limits" and a lime green minifigure driving a light blue race car, in between the 2 ppp so it is centered horizontally.

26.2. Now you should have 2 identical parts! Rotate your main build 180 degrees, then vertically place 1 upright on the 6 front-facing side studs that are on the 2 leftmost columns. The side studs are at the top and bottom rows of the build! Then repeat symmetrically to the right.

Building Instructions (Bag 4, Book 2):

Group 7 - Ramp

27. Let's make a part! Horizontally place a light grey 2x14 plate in front of you.

28. Horizontally place a red 1x2x1 panel on the back row so it is centered horizontally and the wall faces the back. Now horizontally place a light brown 1x6 plate on the back left corner. Then repeat symmetrically to the right.

Group 8 - Ramp

29. Horizontally place a tan 1x6 plate on the back left corner. Then repeat symmetrically to the right.

30. Horizontally place a light grey 1x3 brick on the front left corner. Then repeat symmetrically to the right. Now horizontally place a black 1x4x1 panel in between them so it is centered horizontally and the wall faces the front.

31. Vertically place a light grey 2x6 brick on the front row on the 4th and 5th columns from the left so it overhangs 5 rows to the front. Then repeat symmetrically to the right.

32. Vertically place a black 2x12 plate underneath the overhang of the left 2x6 brick so 7 rows are exposed to the front. Then repeat symmetrically to the right.

33. Horizontally place a light grey 2x6 brick on the 6th and 7th rows from the front so it is centered horizontally. Then vertically place a sand green 1x2 masonry brick to the left of the ppp so the brick grooves face the left. Then repeat symmetrically to the right.

34. Vertically place a light grey 2x6 brick on the 2 leftmost columns of the front 5 rows so it overhangs 1 row to the front. Then repeat symmetrically to the right.

35.1. Let's make 2 identical parts! Place a dark grey 8x8x4 ramp in front of you so it slopes to the left and the studs are on the right. Now vertically place a dark grey 2x6 plate with a 3x8 slope tile underneath the 2 leftmost columns so it is centered vertically and slopes to the left.

35.2. Now you should have 2 identical parts! Rotate them so the studs are in the front and it slopes to the back. Now horizontally place the front row of them, 1 to the right of the other, on the back row so they are centered horizontally and slope to the back.

36. Horizontally place a light grey 2x14 plate on the back 2 rows of studs so it is centered horizontally.

37. Vertically place a dark grey 2x4 tile on the 2 leftmost columns of the 2nd, 3rd, 4th, and 5th rows from the front. Then vertically place 2 more behind the ppp. Now repeat everything symmetrically to the right.

38. Horizontally place a black 2x2 slope brick on the 2 leftmost columns of the 2 back rows of studs so it slopes to the left. Then place another 1 to the right so it slopes to the right. Then repeat both parts symmetrically to the right.

39. Place a sand green 2x2 plate on top of the 2 ppp. Then repeat symmetrically to the left.

40. Bring back your main build and orient it so the upright 2x6 tiles face the front. Now orient your part so it is horizontal and slopes to the left. Now horizontally place the rightmost column of your build on the bottom row of the leftmost column so it is centered vertically.

41. Vertically place 2 dark grey 2x4 tiles, 1 in front of the other, on the rightmost column of the ppp so they are centered vertically.

#### Group 9 - Ramp

42. Let's make a part! Place a dark grey 16x16 tile with gaps of studs in front of you. Then horizontally place a white 1x4 tile printed with a black and white checkered pattern in each of the 1x4 gaps that are on the back row.

43.1. Horizontally place a dark grey 2x4 tile in each of the horizontal 2x4 gaps.

#### Group 10 - Ramp

43.2. Vertically place a dark grey 2x4 tile with a white stripe in each of the vertical 2x4 gaps. Then horizontally place 4 dark grey 1x2 tiles on the front row, 2 on each of the 1x4 gaps.

44. Vertically place a dark grey 1x4 tile with 2 studs on the leftmost column on the back 1x4 gap. Then repeat symmetrically to the right. Now place a blue 2x2 plate with a cutoff corner on the front 2 rows of the front right 1x4 gap so the cutoff corner faces the front right and it overhangs 1 column to the right. Now place another 1 behind the ppp so it overhangs 1 column to the right and the cutoff corner faces the back right. Now repeat both parts symmetrically to the left.

45. Flip your part upside down so the 1x4 tiles are in the back. Now place a transparent 2x2 yellow inverted round tile with a rounded bottom on the back left corner. Then repeat symmetrically to the right.

46. Vertically place a blue 2x16 plate on the 3rd and 4th columns from the right so it is centered vertically. Then repeat symmetrically to the left.

47. Place a black 2x2 plate with a pinhole underneath on the front 2 rows of each of the 2 ppp so the holes face left and right.

48. Place a tan 2x2 plate with a bar underneath on the back 2 rows on the 3rd and 4th columns from the right so the bar faces the back. Then vertically place a tan 2x4 plate in front of the ppp. Now repeat both parts symmetrically to the left.

#### Group 11 - Ramp

49. Vertically place a light brown 2x4 plate on the back 4 rows on the 3rd and 4th columns from the right. Then place a light brown 2x2 inverted sloped curved tile in front of the ppp so it slopes to the front. Now repeat both parts symmetrically to the left.

You will have 2 extra blue 1x8 plates. Save them for later!

#### Group 12 - Ramp

50.1. Let's make 2 identical parts! Horizontally place a light grey 1x8 plate in front of you. Then horizontally place a blue 1x2 plate with a bar on the short side on the 2 rightmost columns so the bar faces the right.

50.2. Horizontally place a blue 1x4 plate on top so it is centered horizontally.

50.3. Horizontally place a blue 1x8 plate from group 11 on the 2 leftmost columns so 6 columns overhang to the left.

50.4. Horizontally place a light grey 1x8 plate underneath the 6 leftmost columns so 2 columns are exposed to the left. Now horizontally place a blue 1x2 plate with a bar on the short side on the 2 leftmost columns so the bar faces the left.

50.5. Horizontally place 2 lime green 1x8 tiles, 1 to the right of the other, on top so they are centered horizontally.

50.6. Now you should have 2 identical parts! Flip your previous 16x16 part over so it is right side up and the overhang of the 2x2 plates with cutoff corners are on the left and face the front and back. Now horizontally place 1 part on the front row of the 16x16 tile with stud gaps so it is centered horizontally. Then repeat symmetrically to the back.

51. Bring back your main build and orient it so it is horizontal and slopes to the left. Now place the rightmost bottom-facing bars of your part on top of the 2 top-facing clips that are on the 17th column from the right so it is centered vertically and slopes to the left.

52.1. Let's make a part! Horizontally place a light grey 1x2 plate with a stud and a clip in front of you so the clip is on the left. Then place a black 1x1 half cylinder brick on top so it slopes to the left and right.

52.2. Attach a black bar holder with a bar to the clip so the barholder faces up. Now insert the stop side of a black 5L bar with a stop into the ppp.

52.3. Let's make another part! Horizontally place a transparent yellow 1x2 plate in front of you. Then horizontally place a black 1x2 plate with a clip on the short side on top so the clip faces the left. Now attach a black bar holder with a bar to the left-facing clip.

52.4. Attach the bar holder of your part to the top of the 5L bar of your previous part so the plate overhangs to the front and the anti-studs face down. This is a lamp!

52.5. Horizontally place your part on the back row of the 16x16 tile with gaps you previously placed so the 5L bar faces up and the 1x2 plate overhangs to the front. Make sure it sits on the overhang of the 2x2 plates with cutoff corners!

Building Instructions (Bag 5, Book 2):

#### Group 13 - Wheelchair Minifigure

Sub-build 3.1. Locate 1 light blue pair of legs, 1 torso printed with a white shirt printed with a flame and a sand blue jacket, 1 yellow head printed with eyes, eyelashes, and red lips, and 1 light purple hair. Assemble your minifigure then put her in front of you.

Sub-build 3.2. Let's make a part! Place a yellow wheelchair base in front of you so the studs are in the front and the bars face the back. Now horizontally attach a black set of wheels to the bottom-facing clips. Now attach a black wheel to the left-facing pin. Then repeat symmetrically to the right. Now sit your minifigure on the wheelchair then put everything away while we continue making the ramp!

#### Group 14 - Ramp

53. Let's make a part! Let's make the tools and supplies! Horizontally place a dark blue 2x8 plate in front of you. Then vertically place a blue 1x2x2 slope brick on the rightmost column so it slopes to the front. Then repeat symmetrically to the left.

54. Horizontally place a white 1x6 brick on the back row so it is centered horizontally.

55. Horizontally place 3 white 1x2 bricks with a clip, 1 to the right of the other, on the back row so they are centered horizontally and the clips face the front.

56. Horizontally place 4 dark blue 1x2 jumper plates, 1 to the right of the other, on the back row.

57. Horizontally place a red 1x3 tool box on the back row on top of the 2 leftmost 1x2 jumper plates. Then place a white 1x1 round brick on the rightmost 1x2 jumper plate. Then place a light blue helmet on top.

#### Group 15 - Ramp

58. Place a transparent blue 1x1 round brick on the jumper plate to the left of the ppp. Then place a light blue 1x1 round tile with a top-facing bar on top of the ppp. This is a water bottle!

#### Group 16 - Ramp

59. Attach a light grey paint roller to the leftmost front-facing clip so the bar with the larger part is horizontal, on top, and faces the right. Now insert a lime green 1x1 round brick into the right-facing bar of the ppp so the anti-stud faces the right.

60. Attach a black hammer to the middle front-facing clip so the hammerhead is on top. Then attach a black wrench to the rightmost front-facing clip so the wrench head is on top.

61. Horizontally place your part on the 2x4 tile and 4 1x4 tiles with 2 studs that are on the 3rd and 4th rows from the front of the 3rd to 10th columns from the right so the tools face the front.

62. Vertically place a tan 1x6 arch brick to the right of the 16x16 tile with stud gaps that is sloped to the left so it is centered vertically on the 1x10 plate. Then place a light brown 2x2 inverted slope brick in front of the ppp so it slopes and overhangs to the left. Then repeat symmetrically to the back.

63. Vertically place a light grey 1x12 brick on the column to the left of the top right front-facing 2x3 pentagonal tile so it is centered vertically. Then repeat symmetrically to the left.

64. Horizontally place a light grey 1x8 brick on the front row in between the 2 ppp. Then horizontally place a red 1x6 tile on top so it is centered horizontally to it. Then repeat both parts symmetrically to the back.

65. Vertically place a tan 1x6 arch brick on the 3rd column from the right so it is centered vertically. Then vertically place a sand green 1x2 masonry brick in front of the ppp so the brick grooves face the right. Then repeat symmetrically to the back.

66. Vertically place a white 1x4 tile on the 3rd column from the right, on top of the 1x6 arch brick so it is centered vertically. Then place the rightmost column of a white 4x4 inverted curved plate in front of the ppp so the inverted curve faces the back left. Then repeat symmetrically to the back. Now repeat everything symmetrically to the left of the 1x6 tiles that are on the front and back rows to the left of the 2 ppp.

67. Vertically place a red 1x6 tile on the 5th column from the right so it is centered vertically on the 1x12 brick. Then repeat symmetrically to the left so it sits to the right of the pieces from the previous step.

68.1. Let's make a part! Vertically place a tan 2x10 plate in front of you. Then place a green 2x2 tile with a stud on the back 2 rows. Then repeat symmetrically to the front. Now vertically place a red 1x6 tile on the right column so it is centered vertically.

68.2. Vertically place your part on the 2 rightmost columns so it is centered vertically and the 1x6 tile is on the right.

69. Vertically place a dark grey 1x2 tile on the 2nd and 3rd rows from the front, to the right of the sloped 16x16 tile with gaps. It should sit on the 2x2 inverted slope brick. Then repeat symmetrically to the back.

70.1. Let's make a part! Horizontally place a dark grey 8x16 tile with stud gaps in front of you. Then horizontally place 4 dark grey 1x2 tiles on the back row so there is no overhang.

70.2. Vertically place a dark grey 2x4 tile with a white stripe on top so it is centered horizontally. Now horizontally place 2 dark grey 5x8 sloped curved tiles, 1 to the right of the other, on the front row so they are centered horizontally and slope and overhang to the front.

70.3. Vertically place your part to the right of the diagonal 16x16 tile with stud gaps so it is centered vertically and slopes to the left. The rightmost column of your part should sit on the rightmost columns of the 1x6 tiles that are on the front and back rows.

71. Place 2 blue 2x2 plates with a cutoff corner, 1 to the right of the other, on the front row of the 8x16 tile with stud gaps so they overhang 1 row to the front and the cutoff corners face the front left and front right respectively. Then repeat symmetrically to the back.

#### Group 17 - Ramp

72.1. Let's make 2 identical parts! Horizontally place a light grey 1x8 plate in front of you. Then horizontally place a blue 1x2 plate with a bar on the short side on the 2 leftmost columns so the bar faces the left. Then horizontally place a blue 1x6 plate to the right. Now horizontally place a lime green 1x8 tile on top.

72.2. Now you should have 2 identical parts! Horizontally place 1 part on the 2nd row from the front, on top of the 2x2 plates with cutoff corners so it is centered horizontally on them and the bar faces the left. Then repeat symmetrically to the back.

73.1. Let's make a part! Horizontally place a light grey 1x2 plate with a stud and a clip in front of you so the clip is on the left. Then place a black 1x1 half cylinder brick on top so it slopes to the left and right.

73.2. Attach a black bar holder with a bar to the clip so the barholder faces up. Now insert the stop side of a black 5L bar with a stop into the ppp.

73.3. Let's make another part! Horizontally place a transparent yellow 1x2 plate in front of you. Then horizontally place a black 1x2 plate with a clip on the short side on top so the clip faces the left. Now attach a black bar holder with a bar to the left-facing clip.

73.4. Attach the bar holder of your part to the top of the 5L bar of your previous part so the plate overhangs to the front and the anti-studs face down. This is a lamp!

73.5. Horizontally place your part on the back row behind the rightmost 1x8 tile so there is no overhang. Now put your build away while we make the next part!

Building Instructions (Bag 6, Book 2):

#### Group 18 - Fan Minifigure

Sub-build 4.1. Locate 1 dark blue pair of legs, 1 torso printed with an orange, black and white jacket, 1 yellow head printed with eyes and a smile, and 1 light brown hair. Assemble your minifigure then put him in front of you.

Sub-build 4.2. Let's make a part! Place a black 1x1 round plate with a bar in front of you so the bar faces the back. Now attach the clip of a silver clip with a bar holder to the bar so the bar holder faces the back. Then insert a black 3L bar into the back-facing bar hole. Now horizontally place a black 1x2 tile printed with a dark blue cell phone on top of the stud so it is centered horizontally. This is a selfie stick! Now attach it to your minifigure then put them away while we continue the build!

#### Group 19 - Ramp

74.1. Let's make 2 identical parts! Horizontally place a light grey 1x10 plate in front of you. Then horizontally place a blue 1x2 plate with a clip on the short side on the 2 rightmost columns so the clip faces the right. Now horizontally place a blue 1x8 plate to the left of the ppp.

74.2. Horizontally place a lime green 1x8 tile on top so it is centered horizontally. Then place a lime green 1x1 tile with a round side on the leftmost column so the round side faces the left. Then repeat symmetrically to the right.

74.3. Bring back your main build and make sure it is horizontal and slopes to the left. Now horizontally attach the clip of 1 part to the leftmost left-facing bar that is on the front row. Your part should slope to the left and the leftmost column should align with the leftmost column of the build. Then repeat symmetrically to the back.

75.1. Let's make 2 identical parts! Horizontally place a green 1x3 inverted tile with a bar hole in front of you. Then place a blue 1x1 plate on the leftmost column. Now horizontally place a blue 1x2 plate with a clip on the short side to the right of the ppp so the clip faces the right. Then horizontally place a light grey 1x3 tile on top.

75.2. Now you should have 2 identical parts! Flip 1 part upside down so it is horizontal and the bar hole faces up. Now horizontally attach the clip of your part to the left-facing bar that is on the front row of the 13th column from the right. Then repeat symmetrically to the back.

76. Let's make a part! Vertically place a dark grey 4x6 plate in front of you. Then place a red 1x1 round brick on the back left corner. Then repeat symmetrically to the right.

77. Vertically place 2 white 1x6 tiles, 1 to the right of the other, on top so they are centered vertically and horizontally.

78. Vertically place a blue 2x3 brick on the leftmost column in front of the 1x1 round brick so 1 column overhangs to the left. Then repeat symmetrically to the right.

79. Place a dark grey 4x4 quarter circle plate underneath the overhang so it is centered vertically to the build and the curve faces the back left. Then repeat symmetrically to the right.

80. Place a blue 1x2 curved brick on the front 2 rows to the left of the 1x6 tiles so the curve faces the front left. Then repeat symmetrically to the right.

81. Vertically place a blue 1x2 inverted half arch brick on the front left corner so it slopes to the back. Then place a blue 1x4 curved tile behind the ppp so the curve faces the back left. Now horizontally place a blue 1x2 inverted half arch brick on the back row to the right of the ppp so it slopes to the left. Now repeat everything symmetrically to the right.

## Group 20 - Ramp

82.1. Let's make another part! Horizontally place a black 1x12 plate in front of you. Then place a light grey 1x1 tile with a round side on the leftmost column so the round side faces the left. Now horizontally place a light grey 1x3 tile to the right of the ppp. Then place a light grey 1x1 tile with a round side to the right so the round side faces the right. Now repeat everything symmetrically to the right.

82.2. Vertically place a black 2x3 tile on top so it is centered horizontally and overhangs 2 rows to the front.

82.3. Vertically place a red 2x8 plate underneath the overhang so 6 rows are exposed to the front. Now horizontally place a red 1x2 slope tile on the front row so it slopes to the front.

82.4. Rotate your part 180 degrees so the 1x2 slope tile is in the back. Now horizontally place your part on top of your previous part so it is centered horizontally and it overhangs 1 row to the front.

83. Horizontally place a dark grey 4x6 plate in front of the 1x2 slope tile that is on the back row so it is centered horizontally. Now horizontally place a dark grey 2x6 plate with a round side in front of the ppp so it is centered horizontally and the round side faces the front.

84. Vertically place a lime green 1x4 tile on the leftmost column of the previous 4x6 plate. Then place a lime green 1x2 curved tile in front of the ppp so the curve faces the front left. Now repeat both parts symmetrically to the right. Then horizontally place a lime green 1x2 jumper plate on the 2nd row from the front, so it is centered horizontally in between the curved tiles.

85. Rotate your part so it is vertical and the 1x2 slope tile faces the right. Now vertically place your part on the 6 rightmost columns of the main build so it is centered vertically. The leftmost column should sit on the 8x16 tile with stud gaps!

86. Place a lime green 1x1 tile with a round side on the front row on the 7th column from the right so it sits on the 1x2 inverted half arch brick and the round side faces the right. Then repeat symmetrically to the back.

87. Vertically place a light grey 1x2x3 brick on the 2nd column from the right so it is centered vertically. Make sure it sits to the left of the 1x2 slope tile and goes in between the 1x4 tiles!

88.1. Let's make 2 identical parts! Vertically place a light grey 1x2 inverted slope brick in front of you so it slopes to the back. Then vertically place a dark grey 1x2 plate with a stud and a hinge on top so the hinge is in the back. Now attach a black hinge connector with an axle connector to the hinge so the axle hole is diagonal and faces the back.

88.2. Now you should have 2 identical parts! Vertically place them 1 in front of the other, on the 2nd column from the right so they are centered vertically and slope outwards to the front and back.

You will have 4 extra white 1x2 bricks. Save them for later!

## Group 22 - Ramp

89.1. Let's make a part! Horizontally place a blue 1x4 plate in front of you. Then horizontally place a black 1x2 brick on the 2 rightmost columns. Then horizontally place a white 1x2 brick from group 21 to the left.

89.2. Horizontally place a black 1x2 brick on the 2 leftmost columns. Then horizontally place a white 1x2 brick from group 21 to the right.

89.3. Horizontally place a black 1x2 brick on the 2 rightmost columns. Then horizontally place a white 1x2 brick from group 21 to the left.



89.4. Horizontally place a black 1x2 brick on the 2 leftmost columns. Then horizontally place a white 1x2 brick from group 21 to the right.

89.5. Vertically place your part on the 3rd column from the right so it is centered vertically. The black brick on top should be in the back!

90. Place a black 2x2 plate with 2 studs and a hinge on the 2nd and 3rd columns from the right, on top of the ppp so the hinge is on the right and it is centered vertically.

91. Vertically place a black 1x4 sloped curved tile on the left column of the ppp so it is centered vertically.

92.1. Let's make a part! Place a lime green 4x4 rounded tile printed with a light blue background, checkered flags, and the words "No limits" in front of you. Now place a dark grey 2x2 plate with a hole underneath, underneath the 2 leftmost columns so it is centered vertically and the hole faces left and right.

92.2. Insert a blue 2L pin axle into the left-facing pinhole. Now attach a dark grey hinge connector with an axle connector to the left-facing axle so the hinge connector is horizontal.

92.3. Attach the hinge connector of your part to the top-facing hinge that is on the 2nd column from the right of the main build so it is centered vertically and the tile faces the left.

93. Insert a 3L bar into the diagonal front-facing axle connector that is in front of the ppp. Then attach a blue flag to it so it faces the front! Now repeat both parts symmetrically to the back. Then vertically place a gold trophy on the 1x2 jumper plate that is centered vertically on the 7th column from the right.

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