

40805 Arcade Machine

Set adapted by Alex Charbonneau and tested by Natalie Charbonneau.

Let video game fans create cool game room decor with the LEGO® Arcade Machine (40805). A fun retro gaming gift for kids aged 10 plus and adult fans, this playful display model opens to reveal a gamer's room with a buildable mini arcade game station, computer, sofa and a LEGO minifigure with a remote-control element. Put the included coin elements into the slot of the arcade machine, which swooshes them out again. This video game merch is sure to inspire nostalgia for any gamer.

Game room decor for kids and adults:

- Spark memories of playing classic arcade games and create playful video game decor with this detailed LEGO® Arcade Machine building set for ages 10 and up.

Video game collectible:

- The buildable arcade game station opens to reveal a detailed gamer's room inside, including a buildable mini arcade game station, computer and sofa, plus a LEGO® minifigure.

Build-your-own gaming decor:

- This set offers a rewarding building experience for gamers young and old, and their brick-built creation will make fun shelf or desk decor.

Playful display model:

- The set includes coin elements to put into the slot of the arcade machine, which swooshes them out again.

Retro gaming gift for kids and adult fans:

- Give this 468-piece LEGO® building kit to kids aged 10 plus and adult video game fans.

Dimensions:

- This buildable LEGO® arcade machine model measures over 6 in. (16 cm) high, 4 in. (11 cm) wide and 3 in. (8 cm) deep.

The box is blue with the LEGO logo in the upper left corners. The box has a yellow band on the left side. The front of the box shows a classic arcade machine standing on a blue background. A grid of light blue lines extend into the distance. The arcade machine is red on the side, and the front is black. There is a logo on the front that says "SPACE" in bold orange and purple letters. The screen of the arcade machine shows a top-down view of a space ship, blasting its way through waves of aliens! There are two sets of controls on the arcade so more than one person can play, and a coin slot for each person.

The top of the box shows a life-sized image of the included mini-figure. The minifigure wears blue pants, a red shirt, and a light gray jacket. He has shaggy red hair and stubble.

The side of the box shows the minifigure standing at a small, orange arcade machine, which is included inside the main arcade machine.

The back of the box shows another view of the arcade machine, this side from the back. It shows that the arcade machine folds open to reveal a gaming room! The minifigure sits on a brown couch next to a smaller orange arcade machine. The walls of the room are covered with video game accessories and memorabilia. There are trophies, posters, a TV with a video game being played, and many more! There is an inset image showing that 1x1 round tiles can be inserted into the coin slot (and they'll be returned in the coin return).

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 the 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 who may want to follow along with the printed visual instructions that come with each kit, PDF versions are always online at LEGO.com:

(<https://www.lego.com/en-us/service/building-instructions/40805>) 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 six bags labeled 1-6, a sticker sheet, and an instruction booklet. Sort the pieces into groups as described below. Note that where there are multiple colors of the same brick in a step, the colors will be split across two 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.

This build is 468 pieces, and 149 building steps.

Bag 1 (5 groups of bricks)

Minifigure Group contains the pieces for the gamer minifigure.

Main Build: Arcade Machine

Group 1 contains the pieces for steps 1-7 of the arcade machine.

Group 2 contains the pieces for steps 8-10.

Group 3 contains the pieces for steps 11-15.

Group 4 contains the pieces for steps 16-18.

Bag 2 (5 groups of bricks)

Group 5 contains the pieces for steps 19-25.

Group 6 contains the pieces for steps 26-28, except the white 2x2 tile with sticker #3 from step 28 and the red 1x6 plate from step 31. Place stickers #3 and #4 for step 28.

Group 7 contains the white 2x2 tile with sticker #3 from step 28

Group 8 contains the pieces for steps 29-37, except the red 1x6 plate from step 31.

Group 9 contains the red 1x6 plate from step 31.

Bag 3 (4 groups of bricks)

Group 10 contains the pieces for steps 38-49. Place two sticker #9 for step 39.

Group 11 contains the pieces for steps 50-57. Place sticker #13 for step 50.

Group 12 contains the pieces for steps 58-69, except the two light blue 1x1 round tiles from step 61.

Group 13 contains the two light blue 1x1 round tiles from step 61. Place sticker #1 for step 62.

Bag 4 (9 groups of bricks)

Group 14 contains the pieces for steps 70-77.

Group 15 contains the pieces for steps 78-81.

Group 16 contains the pieces for steps 82-85, except the two red 1x2 tiles from step 83. Place sticker #10 for step 82.

Group 17 contains the two red 1x2 tiles from step 83.

Group 18 contains the pieces for steps 86-94.

Group 19 contains the pieces for steps 95-102. Include a gold miniature trophy in this group. Place sticker #6 for step 98 and sticker #7 for step 101.

Group 21 contains the white pieces from step 103. Place sticker #8 for this group.

Group 20 contains the blue pieces from step 103. Place sticker #11 for this group.

Group 21 contains the black pieces from step 103. Place sticker #12 for this group

Group 22 contains the pieces for step 104.

Bag 5 (5 groups of bricks)

Group 23 contains the pieces for steps 105-112, except the black 1x6 brick from step 108 and the two red 1x2 plates from step 110.

Group 24 contains the black 1x6 brick from step 108 and the two red 1x2 plates from step 110.

Group 25 contains the pieces for steps 113-115. Place stickers #14 and #2 for step 113.

Group 26 contains the pieces for steps 116-123.

Group 28 contains the pieces for steps 124-131.

Group 29 contains the pieces for steps 132-133.

Bag 6 (5 groups of bricks)

Group 30 contains the pieces for steps 134-141, except the black and blue 1x2 plates from steps 138-140.

Group 31 contains the blue 1x2 plates from steps 138-140.

Group 32 contains the black 1x2 plates from steps 138-140.

Group 33 contains the pieces for steps 142-146, except the 1x1 round tile with a valve handle print from step 142.

Group 34 contains the 1x1 round tile with a valve handle print from step 142.

Group 35 contains the pieces for steps 147-149. Place sticker #5 for step 147.

Building Instructions:

Bag 1.

Gamer Minifigure group.

Assemble the gamer minifigure by placing the torso on the legs, the head on the torso, and the hair on the head. The gamer wears blue pants, a burgundy shirt, and a light gray vest. He has stubble and shaggy, reddish brown hair. He is wearing a bit of a smirk.

Main Build: Arcade Machine

Group 1.

1.1. Let's build the arcade machine! We'll start with the base of the machine, which is also the floor of the gaming room that's hidden inside! Place a light gray 4x10 plate, horizontally, in front of you.

1.2. Place a light gray 2x6 tile, vertically and centered vertically, on the right two columns of the previous piece. The front and back rows will overhang.

2. Place the right two studs of a light gray 1x10 plate, horizontally, under the overhanging front row of the previous piece.

3. Place the front row of a light gray 4x10 plate, horizontally, under the back row of the 2x6 tile so the right sides are even. It will go right behind the first 4x10 plate.

4.1. Place a light gray 3x4 tile with four studs, horizontally, on the base to the left of the 2x6 tile so the front is even with the front of the base.

4.2. Place a white 1x4 tile with two studs, horizontally behind the previous piece. Place another behind the first.

4.3. Place a light gray 3x4 tile with four studs, horizontally, behind the back piece from the previous step.

5. Place a tan 1x8 brick, vertically, on the left column of the previous four pieces. The front side should be even with the front of the base and there should be four free columns to the left of this piece.

6.1. Place a light gray 2x2 tile with two studs, with the studs on the right, to the left of the previous piece so the front sides are even. Place three more behind the first. There will be one row of free studs behind the back piece from this step.

6.2. Place a light gray 1x1 plate behind the back piece from the previous step so the left sides are even.

6.3. Place a light gray 2x6 tile, vertically, to the left of the previous piece so the back sides are even. The left side will be even with the left side of the base.

6.4. Place a light gray 2x4 tile, vertically, in front of the previous piece. The front row will overhang.

7.1. Place the left two studs of a light gray 1x5 plate, horizontally, under the overhanging front row of the previous piece.

7.2. Place a light gray 1x3 plate, horizontally, on the right three studs of the previous piece.

Group 2.

8.1. Place a light gray 1x8 plate, horizontally, on the back row of the base so the rightmost stud overhangs. This piece goes to the right of a 1x1 plate.

8.2. Place a light gray 1x1 plate under the rightmost, overhanging stud on the previous piece.

8.3. The red walls of the arcade machine are also the walls of the gaming room! Place a red 1x3 plate, horizontally, on the right three studs on the back row of the base. This piece will go on the 1x8 plate from step 8.1.

9. Place a red 1x6 brick, horizontally, to the left of the previous piece. Place another on top of the first.

10.1. Place a red 1x4 plate with rounded ends, horizontally, to the right of the two pieces from the previous step. The rightmost stud will overhang.

10.2. Place a red 1x2 brick, horizontally, on the left two studs of the previous piece.

10.3. Find a dark gray 1x2 brick with rounded ends. This piece looks like two 1x2 plates with rounded ends with a gap between them. There is a short bar in the gap that can be clipped onto. Place this piece, horizontally, to the right of the previous piece.

10.4. Place a red 1x4 plate with rounded ends, horizontally, on the previous two pieces.

10.5. Place a red 1x1 tile with one rounded end, with the rounded end on the right, on the right stud of the previous piece.

Group 3.

11.1. Stack two lime green 1x8 plates and place the stack, vertically, to the left of the 1x8 brick that's in front of the back wall. There should be nothing but tiles to the left of the stack.

11.2. Place a yellow 1x4 brick with four studs on one side, vertically with the side studs on the left, on the back four studs of the previous piece. Place another in front of the first.

11.3. There should be a row of eight side studs on the two pieces we just placed. Place the top row of a black 2x3 tile, upright and vertically, on the side studs, leaving one free side stud in front of it. Place another behind the first so there's one free side stud behind that one.

12.1. There is now a horizontal back wall to the arcade with nine studs, and a vertical left wall with eight studs. Place an orange 1x1 tall plate on the front and back studs of the vertical wall. There will be six free studs between these pieces.

12.2. Place a lime green 1x1 brick with a stud on one side, with the side stud on the left, on each of the two previous pieces.

13.1. Place the right column of a black 2x6 plate, vertically, between the previous two pieces. This piece will overhang one column to the left.

13.2. Place a light gray 1x1 tile on the second stud from the front on the left column of the previous piece. Repeat symmetrically on the back side. There will be two free studs between these pieces. These will be the openings where the coins come out of the coin return!

14.1. Now we'll make a pair of ramps for the coins to roll down. Place a tan 1x1 brick in front of you.

14.2. Place the right stud of a tan 1x2 inverted half arch, horizontally with the slope on the left, on the previous piece.

14.3. Place a tan 1x1 brick on the previous piece.

14.4. Repeat steps 14.1-14.3.

14.5. Place one ramp, with the slope side of the half arch on the left, to the right of each of the two 1x1 tiles from step 13.2. The right stud of each ramp should attach to a 1x8 brick.

15.1. Now we'll enclose the sides of the coin returns. Place a black 2x2 brick on the 2x6 plate between the two ramps, so the left side is even with the left side of the 2x6 plate.

15.2. Place a black 2x2 plate on the previous piece.

15.3. Place a black 1x2 brick, horizontally, on the front row of the 2x6 plate. Repeat symmetrically on the back side.

15.4. Place a black 1x2 plate, horizontally, on each of the previous two pieces.

Group 4.

16.1. Place a black 1x6 plate, vertically, on the left columns of the 1x2 plates from the previous step. This piece will also attach to the 2x2 plate from step 15.2.

16.2. Place a light blue 1x2 plate, vertically, to the right of the centered two studs of the previous piece.

16.3. There will be a one stud gap in front of and behind the previous piece. Skip over the front gap and place a light blue 1x2 plate, vertically. Repeat symmetrically on the back side.

17.1. Place the right column of a black 2x2 corner plate, with the corner at the back right so the studs form a braille letter D, on the front piece from the previous step. The left stud will attach to a 1x6 plate. Repeat symmetrically on the back side.

17.2. Place a black 1x1 tile behind the left stud of the front piece from the previous step. Repeat symmetrically on the back side.

17.3. Place the left column of a black 2x2 plate between the previous two pieces.

18.1. Now we'll make the sides of the coin slot. These slots were usually in a piece of transparent red or orange plastic, so we'll replicate that look! Place a black 1x1 brick with a recessed stud on one side, with the side stud at the front, in front of you.

18.2. Place the left stud of a transparent red 1x2 tile, horizontally, on the side stud of the previous piece.

18.3. Place the side stud of a black 1x1 brick with a recessed side stud on one side, with the side stud at the front, on the free anti-stud of the previous piece and to the right of the first 1x1 brick with a recessed side stud.

18.4. Repeat steps 18.1-18.3 three times.

18.5. Find the top two 1x1 tiles that are part of the coin slot. There is a 2x2 corner plate in front of the front one. Place one of the assemblies we just made, horizontally with the tile at the front, on the row behind the front 1x1 tile so the left sides are even. Place another, horizontally with the tile at the back, in front of the 1x1 tile. There should now be a narrow gap between the two tiles. Repeat with the back 1x1 tile to make the other coin slot.

Bag 2.

Group 5.

19.1. Now we'll work on the red wall of the arcade again. Rotate the arcade so the coin slots are on the right, and the smooth wall is horizontally at the front. Place a red 1x1 brick on the rightmost stud of the front wall.

19.2. Place a red 1x8 brick, horizontally, to the left of the previous piece.

20.1. Place a red 1x1 brick on the leftmost stud of the previous piece.

20.2. Place a red 1x8 brick, horizontally, to the right of the previous piece.

21.1. Place the front row of a red 2x2 corner brick, with the corner at the front left so the studs form a braille letter H, on the right two studs of the previous piece. The back stud should attach to the front stud of the vertical wall with the coin slots.

21.2. Place a red 1x1 brick on the back stud of the vertical wall.

21.3. Place a red 1x1 brick on the horizontal wall, to the left of the 2x2 corner brick from step 21.1.

21.4. Place a red 1x6 brick, horizontally, to the left of the previous piece.

22.1. Place a red 1x3 brick, horizontally, on the previous piece so the left sides are even.

22.2. Place a red 1x6 brick, horizontally, to the right of the previous piece.

23. Now we'll work on the wall with the coin slots. Rotate the arcade machine 90 degrees clockwise so the coin slots are at the front. There are four side studs on the front of this wall, two on the leftmost column and two on the rightmost column. Place a black 1x6 tile, upright, on each of these pairs of side studs so the bottom of the tile touches the base.

24.1. There are three studs on the base to the right of the coin slot wall. Place a red 1x2x5 tall brick, vertically, on the front two of these studs.

24.2. Place a red 1x1x5 tall brick behind the previous piece.

25.1. Place a red 1x3 brick, vertically, on the previous two pieces.

25.2. Place a black 2x8 brick, horizontally, to the left of the previous piece so the front sides are even.

Group 6.

26.1. Next, we'll build the wall that's inside the gaming room, opposite from the coin slots. Rotate the arcade machine 180 degrees so there is one vertical wall on the right, and so the coin slot wall is horizontally at the back. Place a tan 1x2x5 tall brick, horizontally, on the left two studs of the 1x8 brick that's in front of the coin slot wall. Repeat symmetrically on the right two studs of the 1x8 brick. Place a third centered horizontally on the 1x8 brick.

26.2. Place a dark gray 1x1x2 tall brick with two studs on one side, with the side studs at the front, between the left two pieces from the previous step. Place another between the right two pieces.

26.3. Place a tan 1x1 plate on each of the previous two pieces.

27. The back wall of the arcade should now have three rows of ten studs on top. Place a red 2x2 brick on the front two rows so the left sides are even. Repeat symmetrically on the right side. There will be six free studs in front of the right column of the right piece from this step.

Group 7 contains the white 2x2 tile with a sticker showing a portrait of an arcade machine.

28.1. There are two pairs of two side studs on the front side of the coin slot wall. Place the right column of the white 2x2 tile with a sticker from group 7, upright, on the left pair of side studs. The sticker on this piece is directional so you may want to ask a sighted person for help or use an app if you are concerned about its orientation.

28.2. Place the left column of a white 2x2 tile with a sticker, up right, on the remaining pair of side studs on the front side of the coin slot wall. Once again, this sticker is directional. It shows a minifigure dancing with a swirl of bright colors behind it.

Group 8.

29.1. Now we'll extend the walls of the arcade machine behind the coin slot wall. Place a red 1x1 plate on the back left corner of the coin slot wall. Repeat symmetrically on the right side.

29.2. Place the front stud of a red 1x4 inverted curved slope, vertically with the higher studs at the back, on each of the previous two pieces.

29.3. Place a red 1x2 plate, vertically, on the front two studs of each of the previous two pieces.

30. Place a black 2x3 inverted slope brick, vertically with the slope at the back, on the back row of the coin slot wall to the right of the left extension we just made. Place three more to the right of the first so the entire row is covered.

Group 9 contains the red 1x6 plate from the next step.

31.1. Now, we'll build a shelf for the gaming room. This will go on the inside of the coin wall, and will be over the gaming couch. Place a brown 4x6 plate, horizontally, in front of you.

31.2. Place a yellow 1x6 plate, horizontally, on the second row from the back on the previous piece.

31.3. Place the red 1x6 plate from group 8, horizontally, on the previous piece.

31.4. Place a brown 2x2 tile with a single stud on the left two columns of the shelf so the front sides are even. Place two more to the right of the first so the front two rows are completely covered.

31.5. Place the shelf, horizontally with the previous pieces at the front, on the coin wall in front of the four 2x3 inverted slope bricks. The front two rows will overhang.

32.1. Place a red 1x3 plate on the front row of the coin wall so there is one free stud to the left of it. There should be four free rows behind this piece.

32.2. Place a red 1x5 plate, horizontally, to the right of the previous piece.

33.1. Find the four 2x3 inverted slope bricks which are over the coin slot wall. Place a white 1x8 plate, horizontally and centered horizontally on the second row from the back on these four pieces. There should be one free row behind it, and one free column on either side.

33.2. Place a yellow 1x6 plate, horizontally and centered horizontally, on the front row of the coin wall. It will be behind the shelf, and there will be a gap between this piece and the previous piece..

34.1. Place a red 1x8 tile, horizontally and centered horizontally, in front of the previous piece.

34.2. Place the front stud of a red 1x6 brick, vertically, to the left of the previous piece.

34.3. Place a red 1x3 plate, vertically, on the previous piece so the front sides are even.

35. Place a red 1x2 brick, vertically, on the front two studs on the right vertical wall. Skip the two studs behind this piece and place another 1x2 brick.

36.1. Place a red 1x2 brick with two studs on one side, vertically with the side studs on the left, between the previous two pieces.

36.2. Place the anti-studs of a brown 1x2 plate with two studs sticking up from one side, vertically with the side studs on top, on the side studs of the previous piece.

36.3. Place a brown 1x2 tile, vertically, on the left-facing studs of the previous piece.

37. Place a red 1x12 plate, vertically, on the right, vertical wall.

Bag 3.

Group 10.

38.1. Now we'll build the screen of the arcade machine. Set the rest of the arcade aside for now. Place a white 1x4 plate, horizontally, in front of you.

39.2. Assemble a window by attaching a black 1x4x3 window pane with a sticker into a white 1x4x3 window frame. Find the lip in the window frame and rotate the frame so that it is at the front. Rotate the window frame so the two small pegs are at the top, then push a window pane into the frame from the front until it clicks. The window pane should be free to open at the bottom.

39.3. Repeat step 39.2.

39.4. Rotate the window assemblies so they are horizontal and open to the back. Place the right two studs of one window on the left two studs of the 1x4 plate. Place the other to the right of the first.

40.1. Place a white 1x4 plate, horizontally and centered horizontally, on the previous two pieces.

40.2. Place a white 1x2 plate with a 2x2 of studs sticking up, horizontally with the side studs at the front, to the left of the previous piece. Repeat symmetrically on the right side.

41. Place a white 1x8 plate, horizontally, on top of the screen assembly.

42. Place a white 1x2 quarter cylinder, horizontally with the flat side at the front, on the left two studs of the previous piece. Place three more to the right of the first so the 1x8 plate is completely covered.

43. Rotate the assembly so it lays flat with the previous four pieces at the back. There should be four 2x2 studs at the top, one on each corner. Place a black 4x4 L-shaped plate, with the corner at the back left, on the back left 2x2 of studs so the back and left sides are even with the back and left of the screen assembly. Place another symmetrically to the right of the first. Repeat the previous two pieces symmetrically at the front. You'll place a total of four pieces in this step. The front two rows will overhang, and there will be a 4x4 hole with no studs in the middle of the screen.

44.1. Place a black 1x8 tile, horizontally, on the back row of the screen.

44.2. Place a black 6x6 tile with an arcade game screen print, centered horizontally, in front of the previous piece. The print on this piece is directional so you may want to ask a sighted person for help or use an app if you are concerned about its orientation.

45. Keeping the 1x8 tile at the back, flip the screen assembly over so it's upside down. Place a white 2x8 plate, upside down and horizontally, on the front two rows.

46. Place a yellow 2x4 plate, upside down and horizontally, centered horizontally on the previous piece.

47.1. Place a red 1x2 plate with a pin hole on one end, upside down with the pin hole near the front, to the left of the previous piece. Repeat symmetrically on the right side.

47.2. Place a white 1x2 plate, to the left of the left piece from the previous step. Repeat symmetrically on the right side.

48. Place a white 2x8 plate, upside down and horizontally, on the front two rows of the screen assembly.

49. There should be two pin holes in front of the previous piece. Push a black 2L pin, from the left, into the left side of the left pin hole. Repeat symmetrically on the right side.

Group 11.

50. Keeping the pins at the front, flip the screen over so it's right side up. Place a black 1x8 tile with a sticker, horizontally, on the front row of the screen. This sticker shows various retro video game style icons, including arrows showing the movements available with the joystick, a person icon indicating which player is which, as well as a blue and a yellow icon, showing what those buttons on the arcade do. These icons are present for player 1 on the left, and player 2 on the right.

51. Place a black 1x2 slope tile, vertically with the tall side on the left, behind the previous piece so the left sides are even. Place two more behind the first. Repeat these three pieces symmetrically on the right side. You'll place a total of six pieces in this step.

52. Now we'll make the mount to attach the screen to the rest of the arcade. Push the pin hole of a light gray 1x2 plate with a pin hole on one stud, vertically with the pin hole at the back, onto each of the two pins near the front of the screen. These should be in front of the leftmost and rightmost columns of the screen.

53. Place the rest of the arcade machine, with the coin slot wall at the front, in front of you. Now we'll attach the screen. It will be centered horizontally, and the previous two pieces will attach above the coin wall. There will be a 1x8 plate in front of them and a 1x6 plate between them. You may need to rotate the screen so it is upright.

54.1. The controls for the arcade will be in front of the screen. We'll start making the console that holds them now. Place a black 1x2 plate with a 2x2 of studs sticking up, horizontally with the side studs at the front, in front of you.

54.2. Place the left two columns of a black 2x4 tile, upright and horizontally, on the side studs of the previous piece.

54.3. Place the side studs of a black 1x2 plate with a 2x2 of studs sticking up, horizontally with the side studs at the front, on the right two columns of the previous piece.

54.4. Repeat steps 54.1-54.3.

54.5. Place one of the assemblies we just made on the front row in front of the screen so the left side is even with the left side of the screen. Place the other assembly to the right of the first.

55. Place the front row of a lime green 2x3 plate, vertically, on the left two studs of the left assembly from the previous step. Place three more to the right of the first. There should be a free column to the left of the left piece, and a free column to the right of the right piece from this step.

56.1. Place a blue 3x3 plate on the left two pieces from the previous step so the left sides are even. Repeat symmetrically on the right side. There should be a gap of two columns between these pieces.

56.2. Place a lime green 2x3 plate, vertically, between the previous two pieces.

57. Place a black 1x2 slope tile, horizontally with the tall side at the front, on the left two studs on the back row of the left 3x3 plate from step 56.1. Place three more to the right of the first.

Group 12.

58.1. Place a light gray 2x2 round plate in front of the left piece from the previous step.

58.2. Place a yellow 2x2 plate to the right of the previous piece.

58.3. Place a light gray 2x2 round plate to the right of the previous piece.

58.4. Place a red 2x3 plate, horizontally, to the right of the previous piece. The right side of this piece should be even with the right side of the arcade machine.

58.5. Place a red 1x1 plate in front of the rightmost column of the previous piece.

Group 13 contains the black 1x1 plates from steps 59 and 60.

59.1. Place the front stud of a red 1x3 tile, vertically, on the previous piece.

59.2. Place a black 1x1 plate from group 13 to the left of the previous piece so the back sides are even.

59.3. Place a black 1x1 tile in front of the previous piece.

59.4. Place a black 1x2 jumper plate, vertically, to the left of the previous two pieces.

59.5. Place a black 2x2 turntable base to the left of the previous piece. This piece looks like a 2x2 tile with a large circle on top.

60.1. Place a black 1x2 jumper plate, vertically, to the left of the previous piece.

60.2. Place a black 1x1 plate from group 13 to the left of the previous piece so the front sides are even.

60.3. Place a black 1x1 tile behind the previous piece.

60.4. Place a black 2x2 turntable base to the left of the previous piece.

Group 14 contains the light blue 1x1 round tiles from the next step.

61.1. Now we'll add the controls for the game! Push the axle of a light gray 1L axle with a ball on top into each of the circular holes of the two 2x2 turntable bases from steps 59.5 and 60.4. These are the joysticks that control movement on the screen. The left one is for Player 1, and the right one is for Player 2!

61.2. Now we'll add the buttons. Place a light blue 1x1 round tile from group 14 on the first stud to the right of each of the two pieces from the previous step.

61.3. For most arcade games, there were two buttons per player, so we've got to add a couple more! Place an orange 1x1 round tile on the stud that's to the right and offset behind each of the previous two pieces.

62. Place a red 1x6x5 wall panel with a starship print on one side and a sticker on the other, vertically with the flat, printed side on the left, on the left wall so the back sides are even. There should be six free studs on the wall in front of this piece. The sticker should be on the right side and it shows the tan, interior walls of the gaming room. There is a white air conditioner on the wall, and an orange poster that says "GAME" below it. Pipes run to and from the air conditioner.

63.1. Place a red 1x6 brick, vertically, in front of the previous piece.

63.2. Place a red 1x1 brick on the back stud of the previous piece. Stack another on top of the first.

63.3. Place a red 1x2x2 tall slope brick, vertically with the slope at the front, in front of the previous two pieces.

63.4. Place the front stud of a red 1x2x2 tall slope brick, vertically with the slope at the front, on the previous piece. The top of this piece should be even with the 1x6x5 panel from step 62.

63.5. Place a red 1x3 tile, vertically, on the front three studs of the left wall.

64. Place a red 1x2 plate, vertically, on the front two studs of the left wall. The front stud will attach to the 1x2x2 tall slope from step 63.4.

65. Now we'll give the screen its appropriate angle. Rotate the screen forward as far as you can. Place a red 1x2 plate with a vertical clip on one side, vertically with the clip on the right, behind the previous piece. Now, rotate the screen back so it rests on the clip of this piece.

66. Place the back stud of a red 1x2 brick, vertically, on the front stud of the previous piece.

67.1. Place a red 1x4 plate with rounded ends, vertically, on the left wall so it overhangs one stud to the back.

67.2. Place the back two studs of a red 1x3 brick on the front two studs of the previous piece.

67.3. Place a dark gray 1x2 brick with rounded ends, vertically, behind the previous piece.

67.4. Place the back two studs of a red 1x4 plate with rounded ends, vertically, on the previous piece.

67.5. Place a red 1x1 tile with one rounded end, with the rounded end at the back, on the back stud of the previous piece.

67.6. Place a red 1x3 slope brick, vertically with the slope at the back, in front of the previous piece.

68.1. Now we'll do some work on the right wall of the arcade! Find the 1x3 tile that's on the right wall. Place a red 1x2x2 tall slope brick, vertically with the slope at the front, behind this tile.

68.2. Place a red 1x1 brick behind the previous piece. Stack another on top of the first.

69.1. Place the back stud of a red 1x2x2 tall slope brick, vertically with the slope at the front, on the top piece from the previous step.

69.2. Place a red 1x1 plate on the previous piece.

Bag 4.

Group 14.

70.1. Now we'll start building the top of the arcade machine! Set the rest of the arcade machine aside for now. Place a red 2x10 plate, horizontally, in front of you.

70.2. Place a red 1x5 plate, vertically, on the rightmost column of the previous piece so the back sides are even.

71. Place the right column of a red 2x10 plate, horizontally, under the previous piece and in front of the first 2x10 plate.

72. Place a red 1x5 plate, vertically, on the leftmost column of the top assembly so the back sides are even.

73. The front stud of the previous piece should overhang. Place a red 1x1 plate under the overhanging stud of the previous piece. Repeat symmetrically on the right side.

74. Place a light gray 3x4 tile with four studs, horizontally, to the right of the 1x5 plate on the left column of the assembly so the back sides are even. Place another to the right of the first.

75.1. Place the front three studs of a red 1x4 brick, vertically, under the leftmost column of the assembly. The back stud should extend past the rest of the assembly.

75.2. Place a red 1x1 plate on the back stud of the previous piece.

75.3. Place a red 1x1 brick on the previous piece.

76.1. Place a red 1x6 brick, vertically, under the rightmost column of the assembly so the front sides are even. The back stud should extend past the rest of the assembly.

76.2. Place a red 1x1 plate on the back stud of the previous piece.

76.3. Place a red 1x1 brick on the previous piece.

77. Stack two red 1x10 plates and place the stack, horizontally, on the second row from the back on the top assembly. There should be a 1x1 brick behind both the leftmost and rightmost studs of the stack and the tops should be even.

Group 15.

78.1. Now we'll make an assembly to cover the front wall of the top assembly. Set the top assembly aside for now. Place a black 2x8 plate, horizontally, in front of you.

78.2. Place a white 1x2 tile, vertically, on the leftmost column of the previous piece. Repeat symmetrically on the right side.

78.3. Place a white 2x6 tile, horizontally, between the previous two pieces.

78.4. Rotate the assembly we just made so it's upright and horizontal with the tiles at the front. Place the side studs of a light gray 1x2 plate with a 2x2 of studs hanging down from one side, horizontally with the side studs at the front, on the left two anti-stud columns of the assembly. Place three more to the right of the first.

78.5. Place the rest of the top assembly, horizontally with the tallest side at the back, in front of you. Place the assembly we just made, horizontally with the tiles at the front, centered horizontally on the second row from the front of the top assembly. It will go in front of the two 3x4 tiles with four studs from step 74. The tiles should be even with the front of the top assembly.

79. Place a red 1x4 slope brick, vertically with the slope at the front, on the leftmost column so the front sides are even. Repeat symmetrically on the right side.

80. Place a black 2x4 slope brick, vertically with the slope at the front, to the right of the left piece from the previous step. Place three more to the right of the first.

81. Rotate the top assembly 180 degrees so it's horizontal with the slopes near the back. Place a black 1x2 plate with a 2x4 of studs hanging down from one side, horizontally with the side studs at the front, in front of the slopes from the previous step and to the right of the left wall. Place another to the right of the first.

Group 16.

82.1. Now we'll make the banner that goes on the front of the top assembly, advertising the name of the game. Set the top assembly aside for now. Place a black 2x8 plate, horizontally in front of you.

82.2. Place a black 1x2 tile, vertically, on the leftmost column of the previous piece. Repeat symmetrically on the right side.

82.3. Place a black 2x6 tile with a sticker, horizontally, between the previous two pieces. The sticker on this tile shows the word "SPACE" in ombre red and orange with orange stars in the background. The sticker on this piece is directional so you may want to ask a sighted person for help or use an app if you are concerned about its orientation.

82.4. Place the top assembly, horizontally with the side studs at the front, in front of you. Rotate the assembly we just made so it's upright and horizontal and place it on the side studs on the front side of the top assembly.

Group 17 contains the red 1x2 tiles from the next step.

83.1. Place a red 1x2 tile from group 17, vertically, on the leftmost column so the front sides are even. Repeat symmetrically on the right side.

83.2. Place a black 1x1 plate to the right of the left piece from the previous step so the back sides are even. Repeat symmetrically on the right side.

83.3. Place a black 1x2 tile, horizontally and centered horizontally, on the front row of studs on the top assembly. This will be right in front of the 2x4 slope bricks.

84. Place a red 1x3 inverted slope brick, vertically with the slope at the front, under the leftmost column so the front sides are even. Repeat symmetrically on the right side.

85. Now we'll place the top on the rest of the arcade. Set the arcade machine in front of you with the coin slot wall at the front. The longest vertical wall should be on the left. Place the top assembly on top of the arcade machine. The back stud of the right piece from the previous step should attach to the only stud on the right wall of the arcade machine.

Group 18.

86. Now we'll build the couch for the gaming room. Set the rest of the arcade machine aside for now. Place a brown 2x8 plate, horizontally, in front of you.

87. Place a brown 1x3 plate, vertically, on the leftmost column of the previous piece so the back sides are even. Repeat symmetrically on the right side.

88. Place a brown 1x8 plate, horizontally, under the front studs of the previous two pieces.

89. Place a brown 1x6 brick, horizontally and centered horizontally, on the back row of the couch.

90.1. Place a brown 2x2 tile with a single stud in front of the previous piece so the left sides are even.

90.2. Place a brown 2x2 tile with two studs, with the studs at the front, to the right of the previous piece. Place another to the right of the first.

91.1. Now we'll build the arms of the couch. Place a brown 1x3 plate, vertically, on the leftmost column of the couch. Repeat symmetrically on the right side.

91.2. Place a brown 1x1 half cylinder, with the flat sides at the front and back, on the back stud of each of the previous two pieces.

91.3. Place a brown 1x2 half cylinder, vertically, in front of each of the previous two pieces.

92. Place a brown 1x2 quarter cylinder, horizontally with the tall side at the back, on the left two studs of the 1x6 brick on the back row of the couch. Place two more to the right of the first.

93. Place a black gaming controller on the leftmost stud on the couch. There will be four studs to the right of this piece.

94. Now we'll place the couch inside the arcade machine. Place the arcade machine, with the coin slot wall at the back, in front of you. Place the couch, horizontally with the back of the couch at the back, in front of the horizontal interior wall and to the left of the right wall. There should be a 2x2 of studs in front of the right two columns of the couch.

Group 19.

95. Next, we'll build a mini-figure scale arcade machine. Set the big arcade machine aside for now. Stack two orange 2x3 plates and place them, horizontally, in front of you.

96. Place a black 1x2 plate with a 2x2 of anti-stud on one side, vertically with the anti-stud on the left, on the left column of the stack.

97. Place an orange 1x2 tile, vertically, to the right of the previous piece.

98.1. Place an orange 2x2 curved slope tile with a sticker, with the tall side on the left, to the right of the previous piece. The sticker shows the screen of an arcade game where the player's character has to jump between platforms.

98.2. Place an orange 1x2 plate with two studs sticking up from one side, vertically with the side studs on the right, under the right column of the previous piece.

99.1. Now we'll build the controls of the mini arcade machine. Place an orange 1x2 plate with two studs sticking up from one side, vertically with the side studs on the right, in front of you.

99.2. Place an orange 1x2 tile, vertically, on the previous piece.

99.3. Place an orange 1x1 tall plate on the back side stud on the right side of the control assembly.

99.4. Place an orange 1x1 plate in front of the previous piece. Place another on the first.

99.5. Find the two studs on top of the mini arcade machine. They are the leftmost column, next to the 2x2 of anti-studs. Place the left column of the control assembly on these studs.

100. Rotate the arcade machine so it stands upright on the 2x2 of anti-studs, with the control assembly at the front. There should be a row of two studs on top of the arcade, as well as the two studs on the control assembly. Push the bar of a dark gray bar with a ball on top, with the ball on top, into the hollow left stud of the control assembly.

101. Place a white 1x2 quarter cylinder with a sticker, horizontally with the flat side at the front, on the two studs on top of the mini arcade machine. The sticker is a banner for the game and it reads "JUNKBOT."

102. Now we'll place the mini arcade in the main arcade. Place the large arcade machine, with the screen and controls horizontally at the back, in front of you. The couch should be in front of the horizontal wall. Find the 2x2 of studs that's in front of the couch. Rotate the mini arcade so the screen faces to the left and place it in front of the couch.

You will have a gold miniature trophy leftover when you finish this step.

Group 20 contains the blue pieces from the next step, group 21 contains the blue pieces, and group 22 contains the black pieces.

103.1. Now, we'll make some video game console boxes. The first box is for a teal console. Place a white 1x2 brick with a sticker from group 20, horizontally with the sticker at the front, in front of you.

103.2. Place a white 1x2 tile from group 20, horizontally, on the previous piece.

103.3. Place this assembly, rotated about 45 degrees clockwise, centered vertically and horizontally on the rightmost stud on the shelf over the couch.

103.4. The second box is blue and it shows a light gray console. Place a blue 1x2 brick with a sticker from group 21, horizontally, in front of you.

103.5. Place a blue 1x2 tile from group 21, horizontally, on the previous piece.

103.6. Place the second box, also rotated 45 degrees clockwise, on the middle stud of the shelf.

103.7. The last console box is black and shows a purple console. Place a black 1x2 brick with a sticker from group 22, horizontally, in front of you.

103.8. Place a black 1x2 tile from group 22, horizontally, on the previous piece.

103.9. Place the last console box, rotated 45 degrees clockwise, on the last stud of the shelf.

Group 23.

104.1. There is another small shelf on the right wall of the gaming room, above the miniature arcade machine. Place the leftover gold trophy on the back stud of this shelf.

104.2. Place a gold miniature trophy in front of the previous piece.

104.3. Find the front stud that's on the rightmost wall of the arcade machine. This is on a 1x3 slope brick that's behind a 1x1 tile with a rounded end. Place a red 1x1 slope tile, with the tall side at the back, on this stud.

Bag 5.

Group 24.

105.1. Next, we'll build the opposite corner of the arcade machine. Set the rest of the arcade aside for now. Place a light gray 2x8 plate, horizontally, in front of you.

105.2. Place a light gray 1x2 plate, horizontally, on the back row of the previous piece so the right sides are even.

106.1. Place the back row of a light gray 3x3 L-shaped plate, with one row at the back and one column on the right, in front of the previous piece so the left sides are even.

106.2. Place a light gray 2x6 plate, horizontally, to the left of the previous two pieces.

107.1. Place the back three studs of a light gray 1x6 plate, vertically, under the rightmost column of the corner assembly so it extends three studs to the front.

107.2. Place a light gray 1x3 plate, vertically, on the front three studs of the previous piece.

Group 25 contains the black 1x6 brick from the next step and the red 1x2 plates from step 110.

108.1. Place a red 1x6 brick, vertically, on the previous piece so the front sides are even.

108.2. Place a black 2x2 brick to the left of the previous piece so it extends one row behind it.

108.3. Place a black 1x6 brick from group 25, horizontally, to the left of the previous piece so the back sides are even.

109.1. Place a red 1x2 plate, vertically, on the rightmost column of the corner assembly so the front sides are even. This goes on a 1x6 brick. Place another behind the first.

109.2. Place the right column of a red 2x2 corner plate, with the corner at the back right so the studs form a braille letter D, behind the back piece from the previous step.

110.1. Place a black 1x1 plate behind the left stud of the previous piece.

110.2. Place a brown 2x3 plate, vertically, to the left of the previous piece so the back sides are even.

110.3. Place a brown 3x3 plate with one rounded corner, with the rounded corner at the front left, to the left of the previous piece.

110.4. Place a black 1x2 plate with a horizontal clip on one short side, horizontally with the clip on the left, to the left of the previous piece so the back sides are even.

111.1. Place a black 1x8 plate, horizontally, on the previous piece so the left sides are even.

111.2. Place a black 1x1 plate in front of the previous piece so the right sides are even.

111.3. Place a red 1x6 plate, vertically, to the right of the previous piece so the back sides are even. The front side of this piece should be even with the front of the corner assembly.

112.1. Place a red 1x6x5 wall panel, vertically with the flat side on the right, on the previous piece.

112.2. Place a black 1x2x5 tall brick, horizontally, on the back row to the left of the previous piece. This piece will be on the row behind the previous piece.

Group 26.

113. Place a black 1x6x5 wall panel with two stickers, horizontally with the flat side at the back, to the left of the previous piece. The sticker on the back side of this piece shows a yellow caution sign with an electrical symbol. The sticker on the opposite side shows the interior of the gaming room. There are three shelves. The top shelf has a model of an arcade machine, a toy robot, a stack of books or games, and a wasp helmet. The middle shelf has a TV and the bottom shelf has multiple gaming consoles.

114.1. Find the 1x1 plate that's to the left of the vertical red 1x6x5 wall panel from step 112. This is near the back. Place a black 1x1 brick on this stud.

114.2. Place a light gray 1x1x2 tall brick with two studs on one side, with the side studs at the front, on the previous piece. Place another on the first.

114.3. Place a light gray 1x1 tall plate on the previous piece.

115.1. Place the front left stud of a red 2x2 corner plate, with the corner at the front left so the studs form a braille letter H, on the previous piece.

115.2. Place a red 1x3 plate, vertically, in front of the right stud of the previous piece.

115.3. Place a red 1x2 plate, vertically, in front of the previous piece.

115.4. Place a black 1x1 plate on the leftmost stud on the back wall of the corner assembly.

115.5. Place a black 1x6 plate, horizontally, to the right of the previous piece.

Group 27.

116.1. Place a black 1x8 plate, horizontally, on the back wall of the corner assembly so the left sides are even.

116.2. Place a red 1x6 plate, vertically, on the right wall of the corner assembly so the front sides are even.

117.1. Now we'll make an assembly to make the arcade taller! Set the corner assembly aside for now. Place a black 1x8 brick, horizontally, in front of you.

117.2. Place a black 1x2 brick, horizontally, on the previous piece so the right sides are even.

118.1. Place a yellow 1x2 brick with two studs on two opposite sides, horizontally, to the left of the previous piece. Place another to the left of the first.

118.2. Place a black 1x2 brick, horizontally, to the left of the left piece from the previous step.

119. Place a black 1x8 plate, horizontally, on the assembly.

120.1. Place a black 1x3 brick, horizontally, on the previous piece so the right sides are even.

120.2. Place a red 1x2 plate, horizontally, to the left of the previous piece.

120.3. Place a black 1x3 brick, horizontally, to the left of the previous piece.

121.1. Place a yellow 1x2 brick with two studs on two opposite sides, horizontally and centered horizontally, on the assembly. It will go between the two 1x3 bricks.

121.2. Place a black 1x3 plate, horizontally, to the left of the previous piece. Repeat symmetrically on the right side.

122. Place a black 1x6 brick, horizontally, on the assembly so the left sides are even.

123. Place the corner assembly, with the longest wall horizontally at the back and the shorter wall vertically on the right, in front of you. There will be a clip on the left wall. Place the extension assembly, horizontally with the tallest side on the left, on the back wall so the left sides are even.

Group 28.

124.1. Find the stud that's in front of the right stud of the assembly we just placed. Place a light gray 1x1 tall plate on this stud.

124.2. Place a light gray 1x1x2 tall brick with two studs on one side, with the side studs at the front, on the previous piece. Place another on the first.

125. Place the front right stud of a black 2x2 corner brick, with the corner at the back right so the studs form a braille letter D, on the top piece from the previous step. The back row should be on the back wall of the arcade. Place another on top of the first.

126.1. Place a black 1x6 plate, horizontally, on the back wall to the left of the previous piece.

126.2. Place a black 1x2 plate with two studs hanging down from one side, horizontally with the side studs at the left, on the left two studs of the previous piece. Place two more to the right of the first so the 1x6 plate is totally covered.

126.3. Place a black 1x6 plate, horizontally, on the previous three pieces.

127.1. Place a red 1x6x5 wall panel, vertically with the flat side on the right, on the right wall so the front sides are even. This piece has a print showing a space ship flying amongst the stars!

127.2. Place a red 1x4 brick, vertically, on the previous piece so the front sides are even.

127.3. Stack two red 1x2 plates and place the stack, vertically, behind the previous piece.

128.1. Place the right column of a red 2x2 corner plate, with the corner at the back right so the studs form a braille letter D, on the stack from the previous step.

128.2. Place a black 1x2 plate with a horizontal clip on one side, horizontally with the clip on the left, on the left two studs of the back wall.

128.3. Place a black 1x6 plate, horizontally, to the right of the previous piece.

129.1. Place a black 1x8 plate, horizontally, on the previous two pieces.

129.2. Place the left column of a red 2x3 plate, vertically, in front of the rightmost stud of the previous piece. The right column will be on the right wall.

130.1. Place a red 1x2 brick, vertically, on the right wall in front of the previous piece.

130.2. Place a red 1x2 tile, vertically, on the previous piece.

130.3. Place a red 1x1 tile on the front stud of the right wall.

131.1. Place a red 1x3 plate, vertically, on the right wall behind the 1x2 brick. The back side should be even with the back of the right wall.

131.2. Place a red 1x3 slope brick, vertically with the slope at the back, on the previous piece.

131.3. Place a red 1x2 slope tile, with the tall side at the front, on the previous piece.

Group 29.

132.1. Now we'll make a vent for the back of the arcade machine. Place a black 2x4 plate, horizontally, in front of you.

132.2. Place a black 1x2 tile, vertically, on the leftmost column of the previous piece. Repeat symmetrically on the right side.

132.3. Place a black 1x2 grille tile, horizontally, on the front row between the previous two pieces. Place another behind the first.

132.4. Place the back stud of a black 1x1 plate with a 1x1 slope tile on one side, vertically with the slope at the front, under the front left stud of the vent assembly. Place three more to the right of the first. Repeat these four steps symmetrically on the back side. You'll place a total of eight pieces in this step.

132.5. Now we'll add the vent to the corner assembly. Rotate the corner assembly 180 degrees so there is a wall horizontally at the front and another vertically on the left. There will be six side studs on the front wall. Rotate the vent assembly so the grille tiles are at the front and the slopes are at the top and bottom. Place the top row of the vent assembly, centered horizontally, on the top row of side studs.

133. Now we'll assemble the two halves of the arcade machine. Place the rest of the arcade machine in front of you, with the controls and the screen on the left. There will be a wall at the back with rounded ends near the right side. Rotate the corner assembly 180 degrees clockwise so there is a wall vertically on the right and another horizontally on the left. The back wall will have clips on the left. Find the gaps in the rounded part of the right wall on the main assembly and clip the clips from the corner assembly into the bars in these caps. You should be able to hinge the corner assembly using these clips.

Bag 6.

Group 30.

134.1. Now we'll make some interior details. Place a tan 6x6 plate in front of you.

134.2. Place a tan 2x2 tile on the back right corner of the previous piece.

135.1. Place a white 1x2 grille tile, horizontally, to the left of the previous piece so the back sides are even.

135.2. Place a tan 1x2 tile, horizontally, in front of the previous piece.

135.3. Place a tan 2x2 tile to the left of the previous two pieces.

136.1. Place a tan 1x2 tile, vertically, in front of the previous piece so the left sides are even.

136.2. Skip one column to the right of the previous piece and place a tan 2x2 tile.

136.3. Place a light gray 1x1 tile with a clip on top, with the fingers of the clip on the left and right, to the right of the previous piece so the back sides are even.

136.4. Place the right column of a tan 2x2 corner tile, with the corner at the front right, to the right of the previous piece. The right side should be even with the right side of the 6x6 plate.

137. Clip the handle of a gold short sword, with the blade at the back, into the clip on the wall.

Group 31 and group 32. Group 32 contains the black 1x2 plates for steps 138-140 and group 31 contains the blue 1x2 plates.

138.1. Now we'll make some video game boxes sitting on a shelf. Place a black 1x2 plate from group 32, horizontally, in front of you.

138.2. Place a blue 1x2 plate from group 31, horizontally, on the previous piece.

138.3. Place a white 1x2 plate with a 2x2 of anti-stud on one side, horizontally with the anti-studs at the back, on the previous piece.

138.4. Place a blue 1x2 plate from group 31, horizontally, on the previous piece.

138.5. Place a lime green 1x2 tile, horizontally, on the previous piece.

138.6. Rotate this assembly so the 2x2 of anti-studs is at the bottom and the 1x2 tile is on the left, then place it on the front right corner of the 6x6 plate.

139.1. Now we'll make some more video game boxes sitting on a shelf. Place a black 1x2 plate from group 32, horizontally, in front of you.

139.2. Place a blue 1x2 plate from group 31, horizontally, on the previous piece.

139.3. Place a white 1x2 plate with a 2x2 of anti-stud on one side, horizontally with the anti-studs at the back, on the previous piece.

139.4. Place a black 1x2 plate from group 32, horizontally, on the previous piece.

139.5. Place a lime green 1x2 tile, horizontally, on the previous piece.

139.6. Rotate this assembly so the 2x2 of anti-studs is at the bottom and the 1x2 tile is on the left, then place it on the front two rows of the 6x6 plate and to the left of the first set of games.

140.1. Now we'll make even more video game boxes sitting on a shelf. Place a blue 1x2 plate from group 31, horizontally, in front of you.

140.2. Place a black 1x2 plate from group 32, horizontally, on the previous piece.

140.3. Place a white 1x2 plate with a 2x2 of anti-stud on one side, horizontally with the anti-studs at the back, on the previous piece.

140.4. Place a blue 1x2 plate from group 31, horizontally, on the previous piece.

140.5. Place a lime green 1x2 tile, horizontally, on the previous piece.

140.6. Rotate this assembly so the 2x2 of anti-studs is at the bottom and the 1x2 tile is on the left, then place it on the front left corner of the 6x6 plate.

141. Place the arcade machine, with the controls and screen on the left, in front of you. The right side of the machine should be opened 90 degrees so there is a wall horizontally at the back and another vertically on the right. There are twelve side studs on the front side of the back wall. Rotate the 6x6 plate so it is upright with the shelf at the front and the black of the sword pointing up. Place it under the top row of side studs and as far right as it will go. There should be a gap of one stud to the left of it, and some bricks with side studs to the right of it.

Group 33.

142.1. Now we'll build some steam piping! Set the arcade machine aside for now. Place a black 1x4 brick, horizontally, in front of you.

142.2. Place a light gray 1x1 half cylinder, with the flat sides on the left and right, on the rightmost stud of the previous piece.

142.3. Place a light gray 1x1 brick with a stud on one side and one rounded end, with the rounded end at the back, to the left of the previous piece.

142.4. Place a light gray 1x4 half cylinder, horizontally, to the left of the previous piece.

142.5. Place the right two studs of a black 1x3 brick, horizontally, under the left two studs of the previous piece.

142.6. Stack two light gray 1x1 round plates and place them on the side stud on the front of the pipe assembly.

142.7. Place a black 1x1 round tile on the front stud from the previous piece.

Group 34 contains the 1x1 round tile with a valve handle pattern from the next step.

142.8. Place the light gray 1x1 round tile with a valve handle pattern from group 34 on the rightmost stud on the pipe assembly.

142.9. Place the arcade machine, with the controls and screen on the left, in front of you. The right side of the machine should be opened 90 degrees so there is a wall horizontally at the back and another vertically on the right. There will be a row of six side studs on the front side, above the 6x6 plate with the shelf and sword. Rotate the pipe assembly so it is horizontal, with one 1x1 round tile at the front and the other at the top. There will be one free stud on the right. Place this assembly on the row of six side studs so the left side is even with the left side of the wall.

143.1. Now we'll make some more piping! Set the arcade machine aside for now. Place a light gray 1x5 plate, horizontally, in front of you.

143.2. Find a piece that is two 1x2 half cylinders that meet at a right angle. Place this piece, with the corner at the front right, on the previous piece so the right sides are even.

143.3. Place a light gray 1x1 brick with a stud on one side and one rounded end, with the rounded end at the back, on the front row to the left of the previous piece.

143.4. Place a light gray 1x4 half cylinder, horizontally, to the left of the previous piece.

143.5. Place the right two studs of a light gray 1x10 plate, horizontally, under the left two studs of the previous piece.

143.6. Place a light gray 1x4 half cylinder, horizontally, on the previous piece so the left sides are even. Place another to the right of the first.

143.7. Place a red steering wheel on the stud on top of the pipe assembly.

143.8. Place the arcade machine, with the controls and screen on the left, in front of you. The right side of the machine should be opened 90 degrees so there is a wall horizontally at the back and another vertically on the right. There is an upright column of side studs to the left of the rightmost wall. Rotate the second pipe assembly so it is upright, with the valve at the front near the top. Place it on the front-facing side studs so the top side is even with the top of the first pipe assembly. The elbow should attach the two pipes.

144.1. Now we'll build the roof for the right half of the arcade machine. Place a black 4x8 plate, horizontally, in front of you.

144.2. Place a black 2x4 slope brick, vertically with the slope at the back, on the left two columns of the previous piece. Place three more to the right of the first.

144.3. Place a black 1x2 slope tile, horizontally with the tall side at the front, on each of the previous four pieces.

144.4. Place the back row of the roof assembly, horizontally with the slope tiles at the front, on the back wall of the arcade machine and to the left of the rightmost wall.

145.1. Now we'll build a small model spaceship. Place a black 1x1 tall plate in front of you.

145.2. Push the bar of a short bar with an angled 1x1 round plate on one side, with the stud at the front, into the hollow stud of the previous piece.

145.3. Place the center, circular anti-stud of a blue 2x2 angled corner plate, with the angled corner at the top right, on the stud of the previous piece. These will be the wings of the triangular shaped spaceship.

145.4. Place a transparent yellow 1x1 slope tile, with the tall side at the top right so it's parallel with the angled portion of the previous piece. This is the cockpit of the spaceship!

145.5. Place the front stud of a white 1x2 plate with two anti-studs on one side, vertically with the side anti-studs at the back, under the 1x1 tall plate at the bottom of the spaceship.

145.6. Find the two studs that are on the back wall of the arcade machine to the left of the sword. Place the anti-studs from the previous piece on these studs.

146.1. Now we'll make a gaming console with a CD in it. Place a black 2x2 ribbed tall plate in front of you.

146.2. Place a black 1x2 plate, horizontally, on the back row of the previous piece.

146.3. Place a light gray 2x2 round tile with a hole in front of the previous piece.

146.4. Place a black 2x2 tile on the console so the back sides are even.

146.5. Find the shelf with two rows that are to the left of the upright pipe. The back row has five studs and the front row has four. Place the console on the right two studs of these rows.

Group 35.

147.1. Now we'll make a monitor with a video game playing on the screen. Place a dark gray 2x2 inverted tile in front of you. This piece has a video game screen sticker on the flat side.

147.2. Place a white 1x2 plate, vertically, on the left column of the previous piece.

147.3. Place a white 1x2 slope tile, vertically with the tall side on the right, on the previous piece.

147.4. Place a white 1x2 brick with a stud on one side, vertically with the side stud on the right, to the right of the previous piece.

147.5. Push the short bar of a black 1x1 round tile with a short bar, with the anti-stud on the right, into the hollow side stud of the previous piece.

147.6. Place a black 2x2 round tile with a single stud on the previous piece.

147.7. Rotate the monitor so the 2x2 round tile is at the bottom and so the 2x2 inverted tile is at the front left. Place the monitor on the two rows on the back wall and to the left of the console.

148. Place a brown 2x2 wall panel with walls on three sides, horizontally with the open side at the back, to the left of the shelf that holds the console and monitor.

149. Place two light gray 1x1 round tiles with a coin print into the container made by the previous piece. You can also take these coins and place them into the coin slots that are below the controls of the arcade machine and they'll fall out of the coin return slots! Don't forget that you can hinge the arcade machine so it's close.

This completes the Arcade Machine.

Thank you so much for building this set!

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