

FIRST® LEGO® League Explore UNEARTHED™ Building Instructions

Build 2

This build is 270 pieces, and 132 building steps.

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: going from front to behind.
- Horizontally: going from left to right.
- Upright: pointing up towards the ceiling.
- That one/ppp: previously placed piece.
- Plate: piece with studs.
- Tile: smooth piece without studs (unless otherwise specified)
- 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 the 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).
- 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.
- Anti-stud: the portion of a piece which accepts studs, like the bottom of a plate.
- Jumper plate: a 1x2 plate with a single stud on top, or a 1x3 plate with only two studs on top.

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 set. 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 Instructions:

This LEGO set comes in the bag labeled 2-6 and uses some large pieces from bag 0. 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.

Build 2 (19 groups of bricks)

Bag 2

Group 1 contains the pieces for steps 1-9.

Group 2 contains the pieces for steps 10-18.

Group 3 contains the pieces for steps 19-25.

Bag 3

Group 4 contains the pieces for steps 26-32, not including the two tan 1x1 round tiles from step 27.

Group 5 contains the two tan 1x1 round tiles from step 27.

Group 6 contains the pieces for steps 33-40.
Group 7 contains the pieces for steps 41-46.
Group 8 contains the pieces for step 47.

Bag 4

Group 9 contains the pieces for steps 48-57.
Group 10 contains the pieces for steps 58-65.
Group 11 contains the pieces for steps 66-71. Include dark gray 1x1 slope tile from step 73.
Group 12 contains the pieces for steps 72-79.

Bag 5

Group 13 contains the pieces for steps 80-86.
Group 14 contains the pieces for steps 87-91.
Group 15 contains the pieces for steps 92-98.
Group 16 contains the pieces for steps 99-114.
Group 17 contains the pieces for steps 115-116.

Bag 6

Group 18 contains the pieces for steps 117-125.
Group 19 contains the pieces for steps 126-132.

Bags 7-12 will be used during the event.

Building Instructions:

Bag 2.

Group 1.

Main Build:

- 1.1. This build is an archaeological dig site! It's built in layers, with the deepest, oldest layers at the bottom. We'll start at the bottom and work up! Place a dark gray 6x10 plate horizontally in front of you.
- 1.2. Place a dark gray 1x8 brick, horizontally, on the back row of the previous piece so the right sides are even.
- 2.1. Place a brown 1x6 tile, vertically, in front of the rightmost stud of the previous piece. This piece will overhang one stud to the front.
- 2.2. Place a tan 2x3 tile, horizontally, on the second and third rows from the front to the left of the previous piece.
- 2.3. Place a brown 1x6 tile, vertically, in front of the 1x8 brick and to the left of the previous piece. This piece will overhang one stud to the front.
3. Place a light brown 2x6 brick, vertically, to the left of the previous piece. This piece will overhang one row to the front.
4. Now we'll extend the base a bit more! Place the back row of a dark gray 6x10 plate, horizontally, under the front studs of the three overhanging pieces. Its left and right sides should be even with the first 6x10 plate.
5. Place a dark gray 1x2 slope brick, horizontally with the slope on the left, on the left two studs on the back row of the dig site. Place the left stud of another dark gray 1x2 slope brick, horizontally with the slope on the left, in front of the right stud of the previous piece.

6.1. Place a light gray 1x4 slope brick, horizontally with the slope on the left, in front of the previous piece. This piece will overhang one stud to the left.

6.2. Find the 2x6 brick from step 3. Place a light gray 2x2 slope brick, with the slope on the left, to the left of the front two rows of the 2x6 brick.

7.1. Leaving one free stud in front of it, place a dark gray 1x4 brick, vertically, on the rightmost column of the dig site.

7.2. Place a light brown 2x2 brick to the left of the back two studs of the previous piece. Place another to the left of the first.

8.1. Place a dark gray 1x4 brick, horizontally, to the left of the back row of the left previous piece.

8.2. Place a dark gray 1x2 slope brick, horizontally with the slope on the left, to the left of the previous piece. This piece will overhang one stud to the left.

8.3. Place the left stud of a light gray 1x2 plate, horizontally, in front of the right stud of the previous piece.

9.1. Place a tan 1x1 tile with a clip on top, with the fingers of the clip in a column from front to back, on the third stud from the front on the fourth column from the right on the dig site. It should be in front of a 2x2 brick.

9.2. Clip the staff of a gold trident, with the points laying flat on the left, into the clip of the previous piece.

Group 2.

10.1. Place a dark gray 1x8 brick, horizontally, on the front row of the digsite so the right sides are even.

10.2. Place a dark gray 1x1 brick with an axle hole, with the axle hole facing front and back, to the left of the previous piece.

11. Place the right column of a dark gray 6x10 plate, vertically, under the overhanging studs on the left side of the dig site so the front side is even with the front of the dig site.

12. Place the front row of a light gray 2x2 slope brick, with the slope at the back, to the left of the 1x1 brick with an axle hole from step 10.2.

13.1. Keeping the studs on the top, rotate the dig site 180 degrees so the last 6x10 plate is now on the right. Place the right two studs of a dark gray 1x8 plate, horizontally, on the previous piece. There should be three free studs to the left of this piece.

13.2. Place the back row of a light brown 3x3 corner plate, with the corner at the back left, to the left of the previous piece.

13.3. Place the left stud of a light blue 1x3 plate, horizontally, in front of the left column of the previous piece.

13.4. Place a light gray 1x2 plate, horizontally, to the right of the previous piece.

14.1. Place a dark gray 1x2x2 tall brick, horizontally, on the left two studs on the back row of the dig site.

14.2. Place a tan 1x4 tile, horizontally, to the right of the previous piece.

14.3. Place a dark gray 1x4 brick, horizontally, to the right of the previous piece.

15.1. Place a dark gray 1x3 tile, vertically, on the leftmost column in front of the 1x2x2 tall brick.

15.2. Place a tan 1x4 tile, horizontally, to the right of the front stud of the previous piece.

16.1. Place a light gray 2x2 tile with a pin sticking up, on the back two rows on the third and fourth columns from the right.

16.2. Place a white 2x2 round tile with a hole in front of the previous piece.

17.1. Place a dark gray 1x1 brick with an axle hole, with the axle hole facing front and back, on the back right corner of the dig site.

17.2. Place a dark gray 1x4 brick, vertically, in front of the previous piece.

18. Push a blue 20 tooth gear down onto the pin of the 2x2 tile with a pin sticking up from step 16.1.

Group 3.

19.1. Place a light brown 1x1 brick to the left of the back row of the 2x2 round tile from step 16.2. Repeat symmetrically on the right side of the 2x2 round tile.

19.2. Place the left stud of a light brown 2x2 angled corner brick, with the angled corner at the front left so the studs form a braille letter E, in front of the left previous piece. Repeat symmetrically in front of the right previous piece.

20.1. Place the front stud of a dark gray 1x2 plate with rounded ends, vertically, on the back stud of both previous pieces. The back stud of these pieces should attach to the 1x1 bricks from step 19.1.

20.2. Place a dark gray 1x2 plate with rounded ends, horizontally, on the front studs of the 2x2 angled corner bricks from step 19.2.

21.1. Place a light gray 2x2 angled corner plate, with the angled corner at the front left so the studs form a braille letter D, in front of the right 2x2 angled corner brick from step 19.2.

21.2. Place a tan 1x4 tile, horizontally, to the left of the back row of the previous piece.

22.1. Place a light gray 1x2 brick, vertically, to the right of the 2x2 angled corner plate from step 21.1.

22.2. Place a dark gray 1x2 slope brick, vertically with the slope at the front, in front of the previous piece. There should be one free stud in front of this piece.

23. Place a dark gray 1x8 plate, vertically, on the rightmost column of the dig site so the back sides are even.

24. Place the right stud of a dark gray 1x6 arch brick, horizontally, on the back stud of the previous piece. The left stud should connect to the stud to the right of a dark gray 1x4 brick.

25.1. Place a light blue 1x3 brick, vertically, in front of the rightmost stud of the previous piece.

25.2. Place a light gray 1x2 brick, vertically, in front of the previous piece.

25.3. Place a dark gray 1x2 slope brick, vertically with the slope at the front, in front of the previous piece.

Bag 3.

Group 4.

26.1. Place a black 12 tooth gear in front of you.

26.2. Push a black 4L axle through the axle hole of the previous piece. Push it through until one side extends past the gear by about the width of a plate.

26.3. Rotate the gear and axle so the short side of the axle is at the bottom. Set the short side of the axle into the hole of the 2x2 round tile with a hole from step 16.2. This is right in front of the blue 20 tooth gear. The teeth of the small gear should mesh with the teeth of the big gear and both gears should spin if you spin the axle.

27.1. Place a light gray 4x4 round plate in front of you.

27.2. Place a yellow 1x1 round tile on the right stud on the front row of the previous piece. Place another on the rightmost stud of the second row from the back.

Group 5.

27.3. Place a tan 1x1 round tile on the right stud on the back row of the 4x4 round plate. Place another on the leftmost stud of the second row from the back.

27.4. Slide the center hole of the 4x4 round plate down over the upright axle from step 26.3. Push it all the way down and connect it to the 1x2 plates with rounded ends from step 20.2.

28.1. The 4x4 round plate we just place is now fixed in place. We're going to add another one that rotates when you spin the gears! Place a light gray 4x4 round plate in front of you.

28.2. Place a light gray 2x2 round plate, centered vertically and horizontally, on the previous piece.

28.3. Keeping the 2x2 round plate on top, slide the middle hole of the previous two pieces down over the upright axle and push it all the way down. The 2x2 round plate has an axle hole in the middle that will make it turn with the axle, and the 1x1 round tiles give the second 4x4 round plate a smooth surface to spin on!

29.1. Find the 1x4 tile on the back row of the dig site. Place a light blue 1x2 brick, horizontally, on the wall to the right of the tile.

29.2. Place a tan 1x2 technic brick, horizontally, to the right of the previous piece.

29.3. Place a dark gray 1x4 brick, horizontally, to the right of the previous piece.

30. Make a stack of three light gray 2x2 angled corner plates, with the angled corners at the front left so the studs form a braille letter D, and place the stack on the back right corner of the dig site.

31.1. Place a light gray 1x1 brick in front of the right column of the previous piece.

31.2. Place a dark gray 1x4 brick, vertically, in front of the previous piece.

32.1. Now we'll build another little mechanism. Place a dark gray 1x2x2 tall brick, horizontally, in front of you.

32.2. Place a tan 1x2 technic brick, horizontally, on the previous piece.

32.3. Push the pin portion of a tan 2L axle/pin combo, with the axle at the front, from the front into the hole of the previous piece. This pin does not have friction ridges so it should spin easily. The axle will extend 1L to the front.

32.4. Find a red 2x2 fork liftarm. This looks like two thin 2L liftarms connected by an axle connector so they form a U shape. Rotate this piece so the two arms of the U stick up with the holes facing the front and back. Push the top hole of the back liftarm onto the axle part of the previous piece. Push it all the way back.

32.5. Rotate the assembly 180 degrees so the previous piece is at the back. Find the 1x2 technic brick on the back wall of the dig site. It is on the seventh and eighth columns from the right. Place the assembly we just made in front of the technic brick. The 1x2x2 tall brick should attach to the fourth row from the back and the back liftarm should line up with the hole on the technic brick.

Group 6.

33. Place a tan 1x10 brick, horizontally, on the fifth row from the back of the dig site so the left sides are even. This piece goes on a low wall in front of the assembly we just placed.

34.1. Place a dark gray 1x4 brick, horizontally, on the left four studs of the previous piece.

34.2. Place a light gray 1x2 brick, horizontally, to the right of the previous piece.

34.3. Place a dark gray 1x4 brick, horizontally, to the right of the previous piece.

35. Place a tan 1x2 plate, horizontally, on the right two studs of the previous piece.

36.1. Clip a silver fish into a dark gray 1x1 tile with a clip on top.

36.2. Rotate this assembly so the fish is vertical with the tail at the front. Place the tile on the fourth stud from the front on the seventh column from the left of the dig site. This is on a 2x6 brick.

37. Leaving one free stud in front of it, place a light gray 1x6x2 arch brick, vertically, on the seventh column from the left. There should be a wall behind this piece and the fish should be inside the arch.

38.1. Place a dark gray 1x4 brick, horizontally, on the front row so the left sides are even.

38.2. Place a light gray 1x4 masonry brick, horizontally with the vertical and horizontal grooves at the front, to the right of the previous piece.

39.1. Place a dark gray 1x3 slope brick, horizontally with the slope on the right, on the previous piece so the right sides are even.

39.2. Place a dark gray 1x4 brick, horizontally, to the left of the previous piece.

39.3. Place a light gray 1x1 brick to the left of the previous piece.

40. Place a tan 8x8 plate on the front left side of the dig site so the left and front sides are even. The front half of the rightmost two columns will overhang and not connect to any studs.

Group 7.

41.1. Now we're going to make a wall. Place a light gray 1x2 brick horizontally in front of you.

41.2. Place the left two studs of a dark gray 1x4 brick on the previous piece.

41.3. Place the left two studs of a light gray 1x4 masonry brick, horizontally with the vertical and horizontal grooves at the front, under the right two studs of the previous piece.

41.3. Place a light gray 1x2 brick, horizontally, on the right two studs of the previous piece.

41.4. Place the right two studs of a dark gray 1x4 brick, horizontally, on the previous piece.

41.5. Place a light gray 1x2 brick, horizontally, to the left of the previous piece.

41.6. Find the sixth row from the back of the dig site. This has the back row of a 2x2 angled corner plate and a 1x4 tile. Place the right two studs of the wall we just made on the two studs of the 2x2 angled corner plate. There should be a 2x2 slope brick to the left of the wall and another wall to the right of it.

42.1. Place a dark gray 1x8 brick, vertically, on the leftmost column of the dig site so the back rows are even. The back half of this brick will only connect to one stud at the back.

42.2. Place a dark gray 1x3 slope brick, vertically with the slope at the back, in front of the previous piece.

43.1. Place a light gray 2x6 wedge plate, horizontally with the longest row at the back, in front of you.

43.2. Stack two light gray 1x6 plates, horizontally, and place them on the back row of the previous piece.

43.3. Place this assembly on the back row of the dig site to the right of the 1x8 brick. There should be nine free studs to the right of this assembly.

44.1. Place a dark gray 1x8 brick, horizontally, on the back row to the right of the assembly we just made.

44.2. Place a light brown 1x6 brick, vertically, on the rightmost column of the dig site so the back sides are even.

44.3. Place a dark gray 1x1 slope tile, with the tall side on the left, in front of the previous piece.

45.1. Place a light gray 1x2 slope tile, horizontally with the tall side at the back, on the second and third studs from the left on the fifth row from the back. This is on the back row of the 8x8 plate from step 40.

45.2. Place the front row of a light gray 2x6 wedge plate, horizontally with the longest row at the front, to the right of the previous piece.

46.1. Now we'll make another small assembly which will cover up the compartment holding the trident. Place a tan 3x3 plate in front of you.

46.2. Place a yellow 2x2 round plate on the back left corner of the previous piece so the left and back sides are even.

46.3. Place a yellow 1x1 quarter circle tile on the front left, back left, and back right studs of the previous piece. Orient these pieces so the corners are at the center and so the outside edges form three quarters of a circle.

46.4. Place a dark gray 1x3 tile, horizontally, on the back row to the right of the 2x2 round plate. This piece will overhang two studs to the right.

46.5. Place the left two studs on the back row of a tan 3x3 plate under the right two studs of the previous piece.

46.6. Place a light gray 1x1 brick on the back right corner of the previous piece.

46.7. Place a light gray 1x4 masonry brick, horizontally with the vertical and horizontal grooves at the front, centered horizontally on the front row.

46.8. Place this assembly in front of the back wall, and to the right of the left wall, of the dig site. This will only connect with one stud in the back left.

Group 8.

47.1. Place a tan 2x4 plate, vertically, to the right of the previous assembly and in front of the back wall.

47.2. Place a blue quarter circle tile, with the flat sides on the left and back, on the second stud from the front on the right column of the previous piece.

Bag 4.

Group 9.

48.1. Place a tan 2x2 corner brick, with the corner at the back left so the studs form a braille letter F, on the back left corner of the dig site.

48.2. Place a light brown 1x6 brick, vertically, on the left wall in front of the previous piece.

48.3. Place a tan 1x12 brick, horizontally, on the back wall to the right of the 2x2 corner brick from step 48.1.

48.4. Place the back row of a tan 2x2 corner brick, with the corner at the back right so the studs form a braille letter D, to the right of the previous piece.

49.1. Place a light gray 1x2 brick, vertically, on the right wall in front of the previous piece.

49.2. Place a light gray 1x2 slope brick, vertically with the slope at the front, in front of the previous piece.

50.1. Place a brown 1x6 plate, horizontally, on the back wall so the left sides are even.

50.2. Place a tan 1x4 tile with two studs, horizontally, to the right of the previous piece.

50.3. Place a brown 1x6 plate, horizontally, to the right of the previous piece.

51.1. Place a dark gray 1x4 plate, vertically, in front of the rightmost stud of the previous piece.

51.2. Place a brown 1x6 plate, vertically, on the left wall in front of the 1x6 plate from step 50.1. There should be one free stud on the wall in front of this piece.

52.1. Place a tan 2x2 corner plate, with the corner at the back left so the studs form a braille letter F, on the back left corner of the dig site.

52.2. Place a dark gray 1x1 slope tile, with the tall side on the right, on the left wall in front of the previous piece. Place another in front of the first.

53.1. Place a dark gray 1x3 slope brick, vertically with the slope at the front, in front of the front previous piece.

53.2. Place a dark gray 1x1 slope tile, with the tall side at the back, in front of the previous piece.

54.1. Place a light gray 2x2 angled corner plate, with the angled corner at the front left so the studs form a braille letter D, on the back right corner of the dig site.

54.2. Place a tan 1x4 tile with two studs, horizontally, on the back wall to the left of the previous piece.

54.3. Place a tan 1x8 tile, horizontally, to the left of the previous piece.

55.1. Place a light gray 1x2 slope brick, horizontally with the slope on the right, on the right two studs on the back wall.

55.2. Place a dark gray 1x1 slope tile, with the tall side at the front, to the left of the previous piece.

55.3. Place a tan 1x3 inverted arch brick, vertically with the slope at the front, on the right wall in front of the 1x2 slope brick from step 55.1.

56.1. Place a light gray 1x4 technic brick horizontally in front of you.

56.2. Push a yellow 2L pin, from the front, into the middle hole of the previous piece. This piece will extend 1L to the front. This pin does not have friction ridges so it should spin easily.

56.3. We will place this piece in front of the assembly we created in steps 46.1-46.8. Find the 1x4 masonry brick which is on the fourth row from the back. Skip one row in front of this and place the 1x4 technic brick with a pin.

57.1. Next up we'll build another artifact. Find a dark gray axle connector with two perpendicular bar holders. This looks like a 1L cylinder with an axle hole through it. There are two perpendicular hollow cylinders extending from either side of the axle hole which are bar holders. Place this piece in front of you with the axle holes facing up and down and the bar holders on the left and right.

57.2. Push the short bar of a gold frying pan, with the open side of the pan on top, into each of the bar holders of the previous piece.

57.3. Find a light gray axle and pin connector with one axle. This piece looks like a 1L axle connected to a cylinder with a pin hole in the middle of it. Push the axle, with the pin hole at the bottom facing front and back, from the bottom into the axle hole of the axle connector with bar holders from step 57.1.

57.4. Find the 2L pin from step 56.2 and push the previous piece, from the front, onto the extending portion of it. It should be free to rotate and should look kind of like a balance used to weigh things.

Group 10.

58.1. Stack two tan 2x4 plates and place them, horizontally, to the right of the left wall on the third and fourth rows from the front.

58.2. Place a tan 1x2 technic brick, vertically, on the leftmost column of the stack.

58.3. Place a tan 1x2 plate with two studs sticking up from one long side, vertically with the side studs on the left, on the previous piece.

58.4. Place a blue 1x1 round plate with a flower petal pattern on the front side stud of the previous piece.

59.1. Place a light gray 2x4 double inverted slope brick with a 2x2 cutout, horizontally, in front of you.

59.2. Stack two brown 2x2 plates and place them, centered horizontally, on the previous piece.

59.3. Place a light gray 2x4 brick, horizontally and centered horizontally, on the 2x2 double inverted slope brick.

59.4. Place the middle two columns of the assembly we made on the right two columns of the 2x4 plate stack from step 58.1.

60.1. Place a black 2x2 slope brick, with the slope at the front, on the front two rows of the second and third columns from the left of the dig site.

60.2. Place a dark gray 1x3 slope brick, horizontally with the slope on the right, to the right of the back row of the previous piece.

61.1. Place the right stud of a light gray 1x4 masonry brick, horizontally with the vertical and horizontal grooves at the front, on the stud of the previous piece. The left side of this piece should be even with the left side of the dig site.

61.2. Place a light gray 1x4 masonry brick, horizontally with the vertical and horizontal grooves at the front, on the front row of the dig site to the right of the 2x2 slope brick from step 60.1.

62.1. Place a green 1x1 plate on the second stud from the front on the leftmost column of the dig site. This is on a 1x4 masonry brick.

62.2. Place the front row of a light brown 3x3 corner plate, with the corner at the front left, to the right of the previous piece.

63.1. Find the 1x4 masonry brick on the front row of the dig site. Find a tan 1x2 arched jumper brick. The bottom of this brick is only one stud wide, but the top looks just like a 1x2 jumper plate. The sides are arched out. Place this, horizontally, on the leftmost stud of the masonry brick.

63.2. Place a light gray 1x2 brick, horizontally, on the right two studs of the masonry brick.

64. Place the right two studs of a light brown 1x5 plate, horizontally, on the previous piece.

65. Place the front row of a tan 2x6 tile, horizontally, on the previous piece so the right sides are even.

Group 11.

66.1. Place the front stud of a dark gray 1x3 slope brick, vertically with the slope at the front, to the right of the 1x4 masonry brick on the front row of the dig site.

66.2. Place a brown 1x4 brick, vertically, behind the previous piece.

67.1. Place a light blue 1x1 brick on the back stud of the previous piece.

67.2. Place a light brown 1x4 arch brick, vertically, in front of the previous piece.

68. Place a light brown 1x5 plate, vertically, on the previous two pieces.

69.1. Place a dark gray 1x1 slope tile, with the tall side on the left, on the front stud of the previous piece.

69.2. Place a green 1x4 tile, vertically, behind the previous piece.

70.1. Now we will make another bit of floor that goes over the rotating 4x4 round plate on the right side of the dig site. Set the rest of the dig site aside for now. Place a dark gray 6x6 plate in front of you.

70.2. Place a tan 2x2 corner brick, with the corner at the back left so the studs form a braille letter F, centered horizontally on the back two rows of the previous piece.

71.1. Place a black 2x2 slope brick, with the slope at the front, on the second and third rows from the front of the 6x6 plate so the left sides are even.

71.2. Place a light blue 1x1 brick behind the right column of the previous piece.

You will have a dark gray 1x1 slope tile leftover when you finish this group.

Group 12.

72.1. Place a light gray 1x1 brick on the previous piece.

72.2. Place a light gray 1x2 brick, vertically, on the left column of the 2x2 corner brick from step 70.2.

73.1. Place a tan 1x2 tile, vertically, on the previous piece.

73.2. Place the leftover dark gray 1x1 slope tile, with the tall side at the back, on the left stud of the 2x2 slope brick from step 71.1.

73.3. Place a gold 1x1 slope tile, with the tall side at the left, to the right of the previous piece.

74.1. Place a tan 1x1 tall plate to the right of the front row of the 2x2 slope brick.

74.2. Place a brown 1x3 plate, vertically, on the rightmost column of the 6x6 plate so the front sides are even.

75.1. Place a tan 1x1 tile with a clip in front of you and clip the handle of a pick axe into it, about midway up the handle.

75.2. Rotate this so the pickaxe is vertical with the head at the back. Place the 1x1 tile to the left of the back stud of the 1x3 plate from step 74.2.

76. Place an orange 1x1 plate on the middle stud of the 1x3 plate.

77. Place the right stud of a light brown 1x4 arch brick, horizontally, on the previous piece. The left stud should connect to the tan 1x1 tall plate from step 74.1.

78. Place a light gray 1x4 half cylinder tile, horizontally, on the previous piece.

79. Place the rest of the dig site in front of you, with the gear at the back. Place the assembly we just made in front of the back wall and to the left of the right wall. The second row from the front should go on a wall that is six studs long and the rotating 4x4 round plate should be under the assembly we're placing.

Bag 5.

Group 13.

80.1. Next up we'll start building the grass on top of the dig site! Set the dig site aside for now. Place a green 1x8 plate horizontally in front of you.

80.2. Place the second row from the back of a green 2x6 technic plate, vertically and centered horizontally, on the previous piece.

81. Place a green 4x6 plate, vertically, to the left of the previous piece.

82. Place a green 1x8 plate, horizontally, under the second row from the front so it extends three studs to the right. This is symmetrical to the first 1x8 plate from step 80.1.

83. Place a green 4x6 plate, vertically, to the right of the 2x6 technic plate from step 80.2.

84. Place a green 2x8 technic plate, horizontally, centered horizontally and vertically on the grass assembly.

85.1. Place a green 1x1 round plate with three leaves, with the leaves pointing to the left, on the back right corner of the previous piece.

85.2. Place a red 1x1 round plate with a flower petal pattern on the previous piece. Place another on the back left corner of the grass assembly.

86. Place the rest of the dig site in front of you with the gear at the back. Leaving one free column to the left of it, place the grass assembly on the digsite so the back sides are even.

Group 14.

87.1. Now we'll build some more grass! Set the rest of the dig site aside for now. Place a green 6x6 plate in front of you.

87.2. Place a blue 1x1 round plate with a flower petal pattern on the back left corner of the previous piece.

87.3. Place a light gray 1x1 brick on the second stud from the back on the second column from the right on the 6x6 plate.

88.1. Place a green 1x1 round plate with three leaves, with the leaves pointing to the back, on the second stud from the front on the third column from the left on the 6x6 plate.

88.2. Place a blue 1x1 round plate with a flower petal pattern on the previous piece.

89. Place the rest of the dig site in front of you with the gear at the back. Place the second grass assembly in front of the first one so the left sides of the grass pieces are even. The front of this grass assembly should be even with the front of the dig site, and the left column of the dig site should extend to the left of this second grass assembly.

90.1. We've got one more grass assembly to go! Set the dig site aside again. Place a lime green 2x4 plate horizontally in front of you.

90.2. Place a green 4x6 plate, vertically and centered vertically, on the previous piece.

91. Place a light gray 1x4 masonry brick, horizontally with the vertical and horizontal grooves at the front, on the second row from the front on the previous piece.

Group 15.

92.1. Place a light gray 1x1 brick on the left stud of the previous piece.

92.2. Skip one stud to the right of the previous piece and place a pink 1x1 round plate with a flower petal pattern. Place another on the back left corner of the 4x6 plate.

93. Set the rest of the dig site in front of you, with the gear at the back. Leaving one free row behind it, place the grass assembly on the dig site to the right of the first grass assembly. It will not actually connect to any studs, but will just rest on tiles.

94.1. Now we'll make a hidden compartment! Set the dig site aside for now. Place a dark gray 4x4 plate in front of you.

94.2. Place a light gray 1x4 technic brick, vertically, on the leftmost column of the previous piece.

95. Place a brown 1x1 swirl cone to the right of the second stud from the back of the previous piece.

96.1. Place a tan technic 1x2 brick, horizontally and centered horizontally, on the back row.

96.2. Place a light gray 1x4 masonry brick, vertically with the vertical and horizontal grooves on the right, on the rightmost column.

97.1. Place a dark gray 1x3 tile, vertically, on the back three studs of the previous piece.

97.2. Place a dark gray 1x3 tile, horizontally, on the back row to the left of the previous piece.

97.3. Place a dark gray 1x3 tile, vertically, on the leftmost column in front of the previous piece.

98. Place the rest of the dig site in front of you, with the gear on the left. The left wall has two holes, one with the gear and another without. Rotate the secret compartment so the masonry brick is at the back. There should be pin holes on the front and left sides. Slide it, from the left, into the hole on the left side of the dig site.

Group 16.

99.1. Now we'll make another hidden feature, though this one can't hold anything so it's not really a compartment. Set the rest of the dig site aside for now. Place a dark gray 2x3 plate horizontally in front of you.

99.2. Place a tan 1x2 technic brick, horizontally, on the right two studs of the back row of the previous piece.

100. Place a light gray 1x1 brick to the left of the previous piece.

101.1. Place the left stud of a tan 1x2 technic brick, horizontally, in front of the previous piece.

101.2. Place a light gray 1x1 brick to the right of the previous piece.

102. Place a brown 2x3 tile, horizontally, on top of the assembly.

103. Push the pin of a tan 2L axle/pin combo, with the axle at the front, from the front into the pin hole on the assembly. This pin does not have friction ridges so it should spin easily. The axle will extend 1L to the front.

104. Place the rest of the dig site in front of you with the gear on the left. The front wall has two holes, a small one on the left and a big one on the right. Rotate the assembly we just made so the axle is extending to the back and slide it into the smaller hole.

105.1. Now we'll make a large secret compartment! Place a light gray 4x6 plate horizontally in front of you.

105.2. Place a light gray 1x2 brick, horizontally, on the left two studs of the back row of the previous piece.

106.1. Place a tan 1x2 technic brick, horizontally, to the right of the previous piece.

106.2. Place a light gray 1x2 brick, horizontally, to the right of the previous piece.

107.1. Place a dark gray 1x4 brick, vertically, in front of the right stud of the previous piece. This piece will overhang one stud to the front.

107.2. Place a light gray 1x4 masonry brick, vertically with the vertical and horizontal grooves on the left, on the leftmost column of the compartment so it overhangs one stud to the front.

108. Place a light gray 1x6 plate, horizontally, under the overhanging studs of the previous two pieces.

109. Place a light gray 1x4 masonry brick, horizontally with the vertical and horizontal grooves at the front, centered horizontally on the previous piece.

110.1. Place a dark gray 1x4 brick, vertically, on the back four studs on both the left and right columns.

110.2. Place a dark gray 1x4 brick horizontally, on the back row between the previous two pieces.

111.1. Place a light gray 1x4 masonry brick, horizontally with the vertical and horizontal grooves at the front, on the left four studs of the front row of the compartment.

111.2. Place a light gray 1x2 brick, horizontally, to the right of the previous piece.

112.1. Place a dark gray 1x6 tile, horizontally and centered horizontally, on both the front and back rows of the secret compartment

112.2. Place a dark gray 1x3 tile, vertically, between the previous two pieces on both the left and right columns of the compartment.

113.1. Now we'll build an artefact to hide in this compartment! Place a light gray 1x1 plate with a ring on one side, horizontally with the ring on the right, in front of you.

113.2. Place the right stud of a light blue 1x2 tile, horizontally, on the previous piece.

113.3. Place a light gray 1x1 plate with a horizontal clip on one side, with the clip on the left, under the left stud of the previous piece.

113.4. Clip the handle of a light gray lightsaber hilt on the clip of the previous piece.

113.5. Find a light gray T-shaped tube. Push the tube that's like the stem of the T, with the arms of the T vertical, down into the hollow stud on top of the previous piece.

113.6. Place this artefact into the secret compartment, be careful that it doesn't stick up above the walls!

114. Set the rest of the dig site back in front of you with the gear on the left. Find the large hole on the front wall. Rotate the secret compartment so the masonry bricks are at the back. It should be horizontal with a pin hole on the front side. Slide it into the large hole on the front wall. You may need to rearrange the artefact if you can't close the compartment!

Group 17.

115.1. Now we'll build a couple of small builds. Set the dig site aside. Find a black cylinder that has a pin on one side and a click finger on the other. Place this horizontally in front of you with the pin on the left.

115.2. Find a black axle connector with two click fingers on one side. Click the click fingers, with the axle hole on the right, onto the click finger of the previous piece.

115.3. Push a brown 5L axle with a stop on one side, with the stop on the right, from the right into the axle hole of the previous piece. This completes this small build, set it aside.

116.1. Place a brown 1x1 round plate in front of you.

116.2. Place a tan broom bristles with a stud, with the stud on top, under the previous piece.

116.3. Push a light gray 3L axle, from the bottom, into the hollow bottom of the previous piece. This completes this build. Set it aside.

Bag 6.

Group 18.

117.1. Next we'll make a frame for holding a hub and motor. Place a dark gray 6x12 plate horizontally in front of you.

117.2. Place a light gray 1x8 plate, horizontally, on the back row of the previous piece so the right sides are even.

118. Place a light blue 1x8 tile, horizontally, on the previous piece.

119.1. Place a light blue 1x1 technic brick, with the hole facing front and back, in front of you. Make sure this piece has a pin hole, not an axle hole.

119.2. Find a black 3L axle pin combo which has a 2L axle side and a 1L pin side. Push the pin side, with the axle at the front, from the front into the hole on the previous piece.

119.3. Push a dark gray 1x1 brick with an axle hole, with the hole facing front and back, over the axle portion of the previous piece. Push it all the way back so it touches the 1x1 technic brick. The axle will extend 1L to the front.

119.4. Place this assembly, with the axle at the front, on the front two studs on the rightmost column of the frame.

120. Place a light gray 1x6 brick, horizontally, to the left of the back stud of the assembly we just placed. There should be one free row in front of this piece.

121.1. Place a light blue 1x1 technic brick, with the hole facing front and back, in front of you. Make sure this piece has a pin hole, not an axle hole.

121.2. Find a black 3L axle pin combo which has a 2L axle side and a 1L pin side. Push the pin side, with the axle at the front, from the front into the hole on the previous piece.

121.3. Push a dark gray 1x1 brick with an axle hole, with the hole facing front and back, over the axle portion of the previous piece. Push it all the way back so it touches the 1x1 technic brick. The axle will extend 1L to the front.

119.4. Place the back stud of this assembly, with the axle at the front, to the left of the 1x6 brick from step 120.

122. Place the left column of a dark gray 2x2 corner plate, with the corner at the back left so the studs form a braille letter F, on the assembly we just placed. Repeat symmetrically on the right assembly with the axle/pin combo. There should be four free studs between the back row of these pieces.

123. Keeping the studs on top, rotate the frame 180 degrees so the 1x8 plate and tile are on the front row. Place a light gray 1x8 technic brick, horizontally, on the front row of the 2x2 corner plates from the previous step.

124. Place a light gray 1x2x2 tall brick, vertically, in front of both the left and right studs of the previous piece.

125. Place the front two studs of a light gray 1x3 inverted arch brick, vertically with the slope at the front, on each of the previous two pieces.

Group 19.

126.1. Place a white 1x2 tile, horizontally, on the right two studs of the back row of the frame.

126.2. Place a white 2x2 tile with a pin sticking up in front of the previous piece. Place another in front of the first.

127. Find a yellow 5x7x4 small electric hub. This looks like a box. Find the side that has holes in only two corners. Rotate the hub so this side is at the right with the holes at back. The front side of the hub should have two round holes and two rectangular holes. The top and bottom of the hub should have two rows of three holes each. Push the middle holes on the rows on the bottom of the hub onto the pins of the two tiles we place in the previous step.

128.1. Now we'll make a mount for the motor. Place a light blue 3L liftarm, horizontally with the holes facing front and back, in front of you.

128.2. Push a black 2L pin, from the back, into the left and right holes of the previous piece.

129. Push a black 2L pin, from the front, into the middle hole of the motor mount.

130. Find a light blue 3x4x5 electric motor. This looks like a box with a short cylinder on one side. The cylinder has four pin holes around the edge and an axle hole through the middle. Place this in front of you, with the cylinder at the front near the top. There should be no holes on top of the motor and two holes below the cylinder. Push the back two pins on the motor mount into the holes below the cylinder.

131. Rotate the motor so it is laying flat with the cylinder at the back and cable coming out of the right. There should be one pin facing the back on the motor mount. Find the 1x8 technic brick on the second row from the back. There should be five free holes on the front of this brick. Push the pin from the motor mount into the rightmost hole. Connect the cable to the top rectangular hole on the front side of the hub.

132.1. Rotate the frame 180 degrees so the hub is now on the left. Push a yellow 3L axle, from the front, through the third hole from the right on the 1x8 technic brick. Push it back until it extends 1L to the front.

132.2. Push a tan 20 tooth gear onto the extending portion on the front of the previous piece.

132.3. Place the rest of the digsite in front of you, with the gear on the right side. Rotate the hub frame 90 degrees clockwise so the gear is on the right. Push the axles on the frame into the holes in front of and behind the gear on the dig site.

Bags 7-12 will be used during the event.

Congratulations! Now this build is complete!

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