

71854 Cole's Mission Mech & Dragon Zane

Adapted by Arturo and tested by Radar.

Boys and girls ages 7 and up will love building this LEGO® NINJAGO® Cole's Mission Mech & Dragon Zane (71854) ninja toy and recreating scenes from season 4 of the NINJAGO Dragons Rising TV show. This playset features a mech toy with posable head, arms, shoulder armor, fingers, legs and ankles, plus a cockpit to place a minifigure inside. The mech comes with 3 weapons: a sword, a staff and a spring-loaded blaster with 2 darts, which kids can swap with weapons from the Riyu Ninja Dragon (71855) set (sold separately). This NINJAGO toy also comes with 3 minifigures: Cole with a hammer accessory, Zane Dragon Form with a sword and an Acid Monster with a staff for role-play battles. The LEGO NINJAGO range of building sets for kids includes mechs, dragons and temples for fans to enjoy ninja action.

The packaging displays Cole's Mech in full action. The front of the box shows Cole's large black, dark tan, and orange mech standing at the center, armed with its weapons and facing the Acid Monster. Dragon Zane appears nearby in his white dragon form with wings and a sword, while the Acid Monster confronts the heroes with its staff. The background features a green, rocky landscape from the NINJAGO Dragons Rising world. On the top, there is a dark red stripe with the classic red LEGO logo to the left and the NINJAGO logo in white letters centered, with the subtitle "DRAGONS RISING" underneath. On the left side of the front, the box displays the suggested age group (7+), set number (71854), set name, and piece count (364), all in white letters. The right side of the box has a warning that states that the set contains small parts, and it is therefore not recommended for children younger than 3 years old in other languages. The back of the box shows another action scene. In it, Cole's Mech is in the background, with Dragon Zane flying on the right corner. At the mech's feet, the Acid Monster and Cole are fighting with their weapons. At the bottom, there are three insets that showcase some of the play features from the set. The first one highlights that the mech's weapons are interchangeable with the weapons from set 71855 (Ninja Dragon Riyu's Battle). The second one shows you how the weapons can be attached to the mech. The last one shows how the mech's shooter can be fired. The left side of the box shows Cole in an action pose. The top of the box shows Dragon Zane battling the Acid Monster, as well as an image of Dragon Zane on a 1:1 scale. The bottom side is a tidy strip that contains the barcode as well as a few technical bits, such as the place of manufacture, copyright and trademark notices.

The build consists of 364 pieces in total and is recommended for ages 7+. Once finished, you will have Cole's Mech and 3 minifigures. The set consists of 3 numbered bags.

Welcome to text-based instructions from Bricks for the Blind! Before you start building, here are some terms we may 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.
- Open/hollow stud: a bump on a LEGO brick with a hole, which allows attaching bars. In the case of open studs, the hole goes all the way through. In the case of hollow studs, it does not.
- "Anti-stud" is a term for the portion of a LEGO piece which accepts studs, like the bottom of a plate or brick.
- Left/right wedge parts: these are parts that when placed in front of you and are pointing to the back, their wedge is on the left/right side of the part.
- Symmetrically: a mirror image. Example: If you place a 2x1 brick with technic connector on the front wall at the right, connector to the front, and then place another such piece symmetrically on the back wall, at the right, the technic connector of the second piece should point to the back, since it will be placed symmetrically.
- Centered-vertically: even amount of space in front of and behind piece
- Centered-horizontally: even amount of space left and right of piece.
- Row: studs lined up horizontally (left to right/side to side).
- Column: studs lined up upright or vertically (top to bottom/back to front).

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

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

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

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

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

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

Axle and Pin Connectors - These elements are typically smaller than lift-arms and are used to connect some combination of pins or axles. They might have pins or axles, as well as axle or pin-holes. They have a lot of different angle combinations! The simplest just connects two axles or pins together in a straight line.

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

Additionally, it is worth mentioning that besides the printed visual instructions that come with each kit, a PDF version for the set's instructions is always available online at [\[https://www.lego.com/en-us/service/building-instructions/71854\]](https://www.lego.com/en-us/service/building-instructions/71854). This might help a sighted building partner that may want to follow along or low vision users that may benefit from viewing the instructions on a personal device where they can zoom in on content and use assistive technologies to enhance the visuals.

Sorting the pieces:

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

This LEGO set comes with 3 numbered bags, 1 instruction booklet, and 3 minifigures. Sort the pieces into groups or piles as described below. Note that where there are multiple colors of the same brick in a step, the colors will be split into 2 groups to make telling the difference easier for the builder!

LEGO includes a few spare parts in case you lose something. Set these into their own group away from the rest, in case you need them later.

Book 1, bag 1 - Cole, Acid Monster, Cole's mech's torso, shoulders, chest, and head

Group 1: pages 4-6

Group 2: pages 7-8

Group 3: steps 1-7

Group 4: steps 8-22

Group 5: steps 23-26

Group 6: steps 27-32

Group 7: steps 33-47

Book 1, bag 2 - Dragon Zane, Cole's mech's legs, and feet

Group 8: pages 42-45

Group 9: steps 48-62

Group 10: steps 63-77

Group 11: steps 78-93

Book 1, bag 3 - Cole's mech's arms, sword, staff, and blaster

Group 12: steps 94-103

Group 13: steps 104-116

Group 14: steps 117-126

Group 15: steps 127-140

Group 16: steps 141-143

Group 17: steps 144-152

Group 18: steps 153-163

All right, we are done sorting. Let's start building!

Building Instructions

Book 1, bag1

Group 1 – Cole

Pages 4-6. Locate 1 black pair of legs with gold knee scales and claws and 1 black torso with gold dragon head armor, orange arms, and black hands. Assemble the body of the minifigure. Then, attach 1 pearl gold shoulder armor with studs to the minifigure's neck, so that its studs face to the back. Continue by attaching 1 black bandana to the minifigure's neck, so that it faces to the front. Attach 1 yellow minifigure head with bushy eyebrows. Ask a sighted friend to make sure that the face print is facing the right way. Lastly, attach 1 black hair tousled with long bangs to the top of the minifigure's head.

Let's build Cole's weapon. Hold 1 pearl gold perpendicular connector with side studs, so that its hole faces down and side studs face to the left and right. Insert 1 pearl gold 3L bar into the bottom-facing hole of the ppp. Then, attach 1 pearl gold 1x1 round plate to each of the 2 side studs. Attach 1 transparent orange 1x1 tile to the right-facing side stud. Then, attach 1 transparent orange 1x1 slope tile to the left-facing side stud, so that it slopes down. The weapon is complete. Place it in Cole's left hand.

Group 2 – Acid Monster

Pages 7-8. Locate 1 dark purple serpent body, 1 dark purple torso with lime scale plates, gold chains, and lime hands, and 1 dark purple snake head with molded transparent bright green chin. Assemble the body of the minifigure, so that its tail is to the back.

Let's build the Acid Monster's weapon. Hold 1 black light saber hilt vertically upright, so that its smooth end faces up. Then, insert 1 black 3L bar into the bottom-facing hole of the ppp. Attach 1 transparent bright green minifigure head to the top of the weapon. Continue by attaching 1 lime 1x1 round plate with open stud to the ppp. Lastly, insert 1 lime claw with bar into the ppp. The weapon is complete. Place it in the Acid Monster's left hand.

Group 3 – Cole's mech's torso

1. Let's start building the torso of Cole's mech. Place 1 dark tan 2x3 plate vertically in front of you. Then, place 1 tan 1x2 rounded plate with open studs horizontally on the back row of the ppp.
2. Locate 2 black 1x2 plates with 2x2 upright side studs. Place the first one vertically in front of the left column of the ppp, so that its side studs face to the left. Take the second one and repeat symmetrically on the right.
3. Place 1 dark tan 2x3 plate vertically on top of the build.
4. Rotate 1 light bluish gray 2x3 stair plate vertically, so that its higher end faces to the back. Place its back row on top of the front row of the build.
5. Place 1 tan 1x2 rounded plate with open studs horizontally behind the ppp.
6. Place 1 black 2x2 inverted slope brick behind the ppp, so that it slopes to the back. Then, place 1 light bluish gray 2x2 round plate with axle hole on top of the ppp. Lastly, place 1 dark bluish gray 2x2 brick with balls on opposite sides on top of the ppp, so that its balls face to the left and right.
7. Rotate 1 black 2x5 stair plate vertically, so that its higher end faces to the back. Place its 2 back rows on top of the ppp.

Group 4 – Cole's mech's shoulders

8. Let's make a build for the mech's shoulders. Place 1 black 2x6 plate with holes horizontally in front of you. Then, place 1 black 2x2 brick with ball on the 2 leftmost columns of the ppp, so that its ball faces to the left.
9. Place 2 white 1x2 plates with clip on short edge vertically, one to the right of the other, to the right of the ppp, so that their clips face to the front.
10. Place 1 light bluish gray 2x2 round plate with axle hole on top of the 2 ppps.
11. Place 1 dark tan 2x3 plate vertically on top of the ppp, so that it overhangs to the front by 1 row.
12. Place 1 black 2x2 brick with ball to the right of the 2 back rows of the ppp, so that its ball faces to the right.
13. Find 2 light bluish gray 2x2 round plates with axle hole. Place the first one under the 2 leftmost columns. Take the second one and repeat symmetrically on the right.
14. The shoulders are complete. Bring back the main build, so that its balls face to the left and right and are on the back. Attach the 2 center columns of the back row to the front row of the main build.
15. Grab 2 black 3x3 corner plates. Rotate the first one so that its right angle faces to the front right. Place its right column in front of the left column of the elevated 2x3 plate at the back. Take the second one and repeat symmetrically on the right.

16. Locate 2 orange 1x2 plates with 2x2 side studs hanging down. Place the first one horizontally in front of the 2 rightmost columns of the ppp, so that its side studs face to the front. Take the second one and repeat symmetrically on the left.
17. Place 1 flat silver 1x2 ingot tile horizontally on the 5th row from the back. Find 2 dark bluish gray 1x1 plates with 1x1 upright side stud. Place the first one behind the left column of the ppp, so that its side stud faces to the left. Take the second one and repeat symmetrically on the right.
18. Rotate 1 dark tan 2x3 right wedge plate vertically upright, so that its antistuds face to the left and it points up. Attach its top row to the side stud of the ppp. Grab 1 dark tan 2x3 left wedge plate and repeat symmetrically on the left.
19. Place 2 light bluish gray 1x2 plates with stud and upright clip vertically, one to the right of the other, on the 2nd and 3rd rows from the back, so that their clips are to the front and their clip hands face to the front and back.
20. Place 1 black 1x2 plate with claws horizontally on top of the back row of the 2 ppps, so that its claws face to the back.
21. Locate 2 dark bluish gray 1x2 slope bricks. Place the first one vertically on the leftmost column of the 2nd and 3rd rows from the front, so that it slopes to the front. Take the second one and repeat symmetrically on the right. Find 2 light bluish gray 1x1 round tiles. Place the first one on top of the ppp. Take the second one and repeat symmetrically on the left.
22. Find 2 transparent orange 1x1 slope tiles. Place the first one to the right of the ppp, so that it slopes to the right. Take the second one and repeat symmetrically on the right.

Group 5 – Cole's mech's torso

23. Flip the build 90 degrees from front to back, so that its antistuds face to the front and its balls face to the left and right. Rotate 1 dark bluish gray 1x2 plate with 1x4 side studs hanging down so that its antistuds face to the front and its side studs face up. Attach it to the top row, so that it is centered horizontally and its left and right columns are aligned with the top-facing studs.
- 24.1 We need to make a small sub-build. Hold 1 dark bluish gray 1x5 thin liftarm horizontally upright. Then, insert 1 reddish brown 3L axle with stop into the leftmost front-facing axle hole, so that its stop is to the front and it protrudes to the back by 2.5L.
- 24.2 Attach 1 dark bluish gray 1x5 thin liftarm horizontally upright behind the other 1x5 thin liftarm.
- 24.3 Insert 1 reddish brown 3L axle with stop into the rightmost front-facing axle hole, so that its stop is to the front and it protrudes to the back by 2.5L.
- 24.4 Grab 2 light bluish gray 3L pins with stop. Insert the first one into the leftmost back-facing pin hole, so that its stop is to the back and it protrudes to the front by 2L. Take the second one and repeat symmetrically on the right.

24.5 The sub-build is complete. Insert its back-facing axles to the holes located on the top row, to the left and right of the 1x2 plate with 1x4 side studs hanging down. Make sure to push the axles in as far as possible.

25. Locate 2 dark bluish gray 1x1 round plates. Place the first one on the 2nd column from the left on the back row. Take the second one and repeat symmetrically on the right. Find 2 black 2x2 round corner plates. Rotate the first one so that its long curved edge faces to the front right. Place its rightmost column in front of the ppp. Take the second one and repeat symmetrically on the left.

26. Grab 2 dark bluish gray 2x2 curved slope tiles. Place the first one on the 2 leftmost columns on the 2 back rows, so that it slopes to the left. Take the second one and repeat symmetrically on the right.

Group 6 – Cole's mech's chest

27. Let's make a build for the mech's chest. Place 1 black 4x5x2 cockpit with handle and studs on side vertically in front of you, so that its handle faces to the front and its 2x2 studded surface faces up. Locate 2 flat silver 1x2 ingot tiles. Attach the first one horizontally upright to the left-facing side studs. Take the second one and repeat symmetrically on the right.

28. Rotate 1 dark bluish gray 2x4 trapezoidal plate so that its narrow side faces to the front. Place its back row horizontally on top of the front row of the chest build. Find 2 dark bluish gray 1x1 round plates with handle. Place the first one on the back left corner, so that its handle faces to the back left. Take the second one and repeat symmetrically on the right.

29. Place 1 flat silver 1x2 ingot tile horizontally on top of the front row. Then, place 1 dark bluish gray 2x3 pentagonal tile vertically behind the ppp, so that its point faces to the back.

30. Grab 2 dark bluish gray 2x2 trapezoid flags. Rotate the first one so that its clips face to the front left and its straight side faces back left. Attach its back clip to the back right-facing handle. Take the second one and repeat symmetrically on the left.

31. The chest build is complete. Bring back the mech build, so that the protruding pins face down, its balls face to the left and right, and the 1x2 plate with claws faces to the front. Attach the front-facing handle of the chest build to the clips located on the 2nd row from the front.

32. Close the chest by rotating it towards the back.

Group 7 – Cole's mech's head

33. Let's build the mech's head. Place 1 black 2x3 plate vertically in front of you.

34. Place 2 transparent orange 1x2 plates vertically, one to the right of the other, on the 2 back rows.

35. Place 1 dark bluish gray 1x2 inverted slope brick vertically in front of each of the 2 ppps, so that they slope and overhang to the front by 1 row.

36. Place 1 black 2x2 inverted slope brick on the back row, so that it slopes to the back. Locate 2 dark bluish gray 1x2 bricks with side studs. Place the first one in front of the leftmost column of the ppp, so that its side studs face to the left. Take the second one and repeat symmetrically on the right.

37. Place 1 white 1x2 plate with 1x2 side studs hanging down horizontally in front of the 2 ppps, so that its side studs face to the front.

38. Attach 1 black 2x2 double slope tile with orange and white eyes and dark tan scales to the front-facing side studs, so that its pointed end faces and overhangs down.

39. Rotate 1 dark tan 2x3 right wedge plate so that its antistuds face to the left and it points to the back. Attach its 2 back rows to the 2 right-facing side studs. Take 1 dark tan 2x3 left wedge plate and repeat symmetrically on the left.

40. Rotate 1 dark tan 1x2 curved left wedge tile so that its antistuds face to the right and it slopes to the front. Attach its back column to the front column of the ppp. Take 1 dark tan 1x2 curved right wedge tile and repeat symmetrically on the right.

41. Place 1 light bluish gray 2x2 round plate with axle hole on the 3rd and 4th rows from the back. Then, place 1 light bluish gray 2x2 plate with 1x2 upright side studs in front of the ppp, so that its side studs face to the front.

42. Rotate 1 black 4x6 triple curved black wedge tile (it looks like a windshield) vertically so that it slopes to the back. Place its 2 back rows on top of the ppp.

43. Attach 1 dark bluish gray 1x2 plate with open-ended bar on long edge horizontally upright to the front-facing side studs, so that its bar faces up.

44. Rotate 1 orange 1x2 curved left wedge tile so that its antistuds face to the back and it slopes to the left. Attach its right column to the left column of the ppp. Take 1 orange 1x2 curved right wedge tile and repeat symmetrically on the right.

45. Attach 1 black claw to the top-facing handle, so that it is centered and it curves up.

46. Attach 1 light bluish gray 2x3 plate with hinge bar underneath vertically to the bottom of the head build.

47. The head is complete. Bring back the mech build, so that its protruding pins face to the back and its balls face to the left and right. Attach the bottom-facing handle of the head to the top-facing clips located on the 2nd row from the back, so that its claw is to the front.

Book 1, bag 2

Group 8 – Dragon Zane

Pages 42-45. Place 1 white pair of legs with gold knee scales and claw pattern in front of you. Then, attach 1 white dragon tail to the minifigure legs, so that its tail faces down and is to the left. Continue by attaching 1 white torso with gold dragon head armor, medium azure arms, and black hands to the minifigure. Attach 1 pearl gold shoulder armor with studs to the minifigure's neck, so that its studs face to the back. Then, attach 1 flat silver minifigure head with metallic light blue eyes. Ask a sighted friend to make sure that the head is oriented correctly. Put on 1 white helmet with molded medium azure crests, so that its opening faces to the front.

Rotate the minifigure, so that its studs face to the front. Attach 2 pearl gold 1x1 tiles with upright clips, one to the right of the other, to the front-facing studs, so that their clip hands face to the left and right. Then, attach 1 white webbed wing to each of the 2 ppps. Lastly, put 1 pearl gold katana into Dragon Zane's left hand.

Group 9 – Cole's mech's right leg

48. Let's build the mech's right leg. Place 1 dark tan 2x4 plate vertically in front of you. Then, place 1 black 2x2 brick with ball socket on the 2 back rows of the ppp, so that its ball socket faces to the back.

49. Place 1 black 2x2 plate in front of the ppp.

50. Rotate 1 dark bluish gray 2x6 bent plate so that its segments face front left and right. Place its 2 rightmost columns on top of the ppp.

51. Place 1 black 2x2 right wedge plate vertically on the 2 front rows of the rightmost column, so that it points to the back.

52. Place 1 orange 2x2 plate on the 2nd and 3rd rows from the front on the 2 rightmost columns.

53. Locate 2 black 1x2 plates with claws. Place the first one horizontally on the back row of the ppp, so that its claws face to the back. Take the second one and repeat symmetrically on the front.

54.1 We need to make a small sub-build. Place 1 dark tan 2x4 plate vertically in front of you. Then, place 1 light bluish gray 1x4 plate vertically on the rightmost column.

54.2 Place 2 dark bluish gray 1x2 plates with 1x2 upright side studs vertically, one in front of the other, to the left of the ppp, so that their side studs face to the left.

54.3 Place 1 black 2x2 brick with ball socket on the 2 front rows of the sub-build, so that its ball socket faces to the front.

54.4 The sub-build is complete. Rotate the right leg build approximately 45 degrees clockwise, so that the segments of the 2x6 bent plate face to the left and front right. Place the 2 back rows of the sub-build under the 2 leftmost columns of the right leg build.

55. Place 1 tan 1x2 rounded plate with open studs vertically on the 2 back rows of the leftmost column.

56. Place 1 light bluish gray 2x2 round plate with axle hole on top of the 2 back rows of the 2 leftmost columns, behind the 2x2 brick with ball socket.

57. Place 1 orange 1x2 plate with 2x2 side studs hanging down horizontally on the back row of the ppp, so that its side studs face to the back. Then, place 1 tan 1x2 rounded plate with open studs vertically in front of the right column of the ppp. Lastly, place 1 dark bluish gray 1x2 plate with 1x4 side studs hanging down vertically to the left of the ppp, so that its side studs face to the left.

58. Place 2 flat silver 1x2 ingot tiles vertically, one to the right of the other, on the 2 back rows of the 2 leftmost columns. Then, place 1 black 1x2 plate with claws horizontally in front of the 2 ppps, so that its claws face to the front.

59. Attach 2 flat silver 1x2 ingot tiles vertically upright, one to the right of the other, to the 2x2 back-facing side studs.

60. Attach 1 transparent orange 1x2 plate horizontally upright to the bottom row of left-facing side studs, so that it is centered horizontally. Then, attach 1 reddish brown 1x2 plate with clip on long edge horizontally upright above the ppp, so that its clip faces up.

61. Rotate 1 black 2x2 curved slope tile so that its antistuds face to the right and it slopes to the back. Attach its front top corner to the back column of the ppp. Then, attach 1 black 1x2 plate with claws vertically upright in front of the ppp, so that its claws face to the front.

62. The right leg is complete. Bring back the mech build, so that its protruding pins face down, its head is to the back, and its balls face to the left and right. Attach the front-facing ball socket of the right leg to the front left-facing ball, so that the ppp faces to the back and the leg's antistuds face to the right.

Group 10 – Cole's mech's left leg

63. Let's build the mech's left leg. Place 1 dark tan 2x4 plate vertically in front of you. Then, place 1 black 2x2 brick with ball socket on the 2 back rows of the ppp, so that its ball socket faces to the back.

64. Place 1 black 2x2 plate in front of the ppp.

65. Rotate 1 dark bluish gray 2x6 bent plate so that its segments face left and front right. Place its 2 leftmost columns on top of the ppp.

66. Place 1 black 2x2 left wedge plate vertically on the 2 front rows of the leftmost column, so that it points to the back.

67. Place 1 orange 2x2 plate on the 2nd and 3rd rows from the front on the 2 leftmost columns.

68. Locate 2 black 1x2 plates with claws. Place the first one horizontally on the back row of the ppp, so that its claws face to the back. Take the second one and repeat symmetrically on the front.

69.1 We need to make a small sub-build. Place 1 dark tan 2x4 plate vertically in front of you. Then, place 1 light bluish gray 1x4 plate vertically on the leftmost column.

69.2 Place 2 dark bluish gray 1x2 plates with 1x2 upright side studs vertically, one in front of the other, to the right of the ppp, so that their side studs face to the right.

69.3 Place 1 black 2x2 brick with ball socket on the 2 front rows of the sub-build, so that its ball socket faces to the front.

69.4 The sub-build is complete. Rotate the left leg build approximately 45 degrees counterclockwise, so that the segments of the 2x6 bent plate face to the front left and right. Place the 2 back rows of the sub-build under the 2 rightmost columns of the left leg build.

70. Place 1 tan 1x2 rounded plate with open studs vertically on the 2 back rows of the rightmost column.

71. Place 1 light bluish gray 2x2 round plate with axle hole on top of the 2 back rows of the 2 rightmost columns, behind the 2x2 brick with ball socket.

72. Place 1 orange 1x2 plate with 2x2 side studs hanging down horizontally on the back row of the ppp, so that its side studs face to the back. Then, place 1 tan 1x2 rounded plate with open studs vertically in front of the left column of the ppp. Lastly, place 1 dark bluish gray 1x2 plate with 1x4 side studs hanging down vertically to the right of the ppp, so that its side studs face to the right.

73. Place 2 flat silver 1x2 ingot tiles vertically, one to the right of the other, on the 2 back rows of the 2 rightmost columns. Then, place 1 black 1x2 plate with claws horizontally in front of the 2 ppps, so that its claws face to the front.

74. Attach 2 flat silver 1x2 ingot tiles vertically upright, one to the right of the other, to the 2x2 back-facing side studs.

75. Attach 1 transparent orange 1x2 plate horizontally upright to the bottom row of right-facing side studs, so that it is centered horizontally. Then, attach 1 reddish brown 1x2 plate with clip on long edge horizontally upright above the ppp, so that its clip faces up.

76. Rotate 1 black 2x2 curved slope tile so that its antistuds face to the left and it slopes to the back. Attach its front top corner to the back column of the ppp. Then, attach 1 black 1x2 plate with claws vertically upright in front of the ppp, so that its claws face to the front.

77. The left leg is complete. Bring back the mech build, so that its protruding pins face down, its head is to the back, and its balls face to the left and right. Attach the front-facing ball socket of the left leg to the front right-facing ball, so that the ppp faces to the back and the leg's antistuds face to the left.

Group 11 – Cole's mech's feet

78. We need to build two identical feet. You can build them simultaneously or one at a time. Let's begin with the first one. Place 1 light bluish gray 2x3 plate vertically in front of you. Then, place 2 dark bluish gray 1x1 round plates, one to the right of the other on the back row of the ppp.

79. Locate 2 black 1x2 plates with 2x2 upright side studs. Place the first one vertically on the 2 front rows of the leftmost column, so that its side studs face to the left. Take the second one and repeat symmetrically on the right.

80. Place 1 tan 1x2 log brick horizontally on the front row. Then, place 1 black 2x2 brick with ball behind the ppp, so that its ball faces to the back.
81. Place 1 light bluish gray 1x2 plate with door rail horizontally on the back row of the ppp, so that its rail faces to the back. Then, place 1 light bluish gray 2x2 round plate with axle hole in front of the ppp.
82. Place 1 tan 1x2 log brick horizontally on the front row. Then, place 1 transparent orange 1x2 plate horizontally behind the ppp.
83. Place 1 black 1x2 plate with claws horizontally on top of the ppp, so that its claws face to the back.
84. Place 1 black 1x2 plate with claws horizontally on the front row, so that its claws face to the back and attach to the top of the ppp.
85. Find 2 black 1x1 plates with 1x2 side studs hanging down. Place the first one on the left column of the ppp, so that its side studs face to the left. Take the second one and repeat symmetrically on the right.
86. Grab 2 dark tan 1x1 plates with 1x2 upright side studs. Place the first one on top of the ppp, so that its side studs face to the right. Take the second one and repeat symmetrically on the left.
87. Place 1 transparent orange 1x2 plate horizontally on top of the 2 ppps. Then, locate 2 transparent orange 1x1 slope tiles. Place the first one on the left column of the ppp, so that it slopes to the right. Take the second one and repeat symmetrically to the right.
88. Locate 2 dark bluish gray 1x1 round plates. Attach the first one to the front bottom left-facing side stud. Take the second one and repeat symmetrically on the right.
89. Find 2 black 1x4 tiles with 2 studs. Attach the first one vertically upright above the ppp. Take the second one and repeat symmetrically on the left.
90. Grab 2 dark tan 1x2 curved slope tiles. Rotate the first one so that its antistuds face to the right and it slopes up. Attach its bottom row to the top row of the ppp. Take the second one and repeat symmetrically on the right.
91. Flip the build 90 degrees from back to front, so that its ball faces up and the antistuds of the 2x3 plate face to the back. Locate 2 black 1x2 plates with claws. Attach the first one horizontally upright to the bottom row of left-facing side studs, so that its claws face up. Take the second one and repeat symmetrically on the right.
92. Lastly, rotate 1 dark bluish gray 2x2 inverted slope brick, so that its antistuds face to the front and it slopes up. Attach it to the 2 bottom rows of back-facing antistuds.
93. The first foot is complete. Bring back the mech, so that its 2x3 pentagonal tile faces up and it points to the back. Attach the foot's ball to the ball socket of the right leg.
- If you chose to build one foot at a time, build a second foot by repeating steps 78 to 92. Attach its ball to the ball socket of the left leg.

Now that both feet are attached, stand the mech. Rotate the legs so that their 2x2 curved slope tiles face to the front.

Book 1, bag 3

Group 12 – Cole's mech's right arm

94. Let's build the mech's right arm. Place 1 light bluish gray 1x2 plate with 1x2 brick with pin hole in front of you, so that its hole faces to the right. Place 1 tan 1x2 rounded plate with open studs vertically on the leftmost column of the ppp.

95. Insert the short end of 1 tan 3L pin into the right-facing hole, so that it protrudes to the right by 2L.

96. Slide 1 dark bluish gray 1x2 brick with pin hole onto the protruding pin, so that the pin protrudes to the right by 1L.

97. Find 2 dark tan 1x1 plates with 1x2 upright side studs. Place the first one on the back left corner, so that its side studs face to the back. Take the second one and repeat symmetrically on the front. Then, attach 1 dark tan 2x3 plate horizontally underneath.

98. Place 1 light bluish gray 1x2 plate with door rail vertically on the rightmost column, so that its rail faces to the right. Rotate 1 dark bluish gray 2x6 bent plate so that its segments face to the back left and right. Place its rightmost column to the left of the ppp.

99. Find 2 orange 1x2 plates with 2x2 side studs hanging down. Place the first one horizontally on the front row of the 2 rightmost columns, so that its side studs face to the front. Take the second one and repeat symmetrically on the back.

100. Grab 2 black 1x2 plates with handle on short edge. Place the first one horizontally on top of the ppp, so that its handle faces to the right. Take the second one and repeat symmetrically on the front.

101. Place 1 black 1x2 plate with claws vertically on top of the leftmost column of the 2 ppps, so that its claws face to the left. Then, place 2 transparent orange 1x1 slope tiles, one in front of the other, to the right of the ppp, so that they slope to the right.

102. Place 1 transparent orange 1x1 plate with horizontal tooth to the left of each of the 2 ppps, so that its claw faces to the left.

103. Attach 1 black 2x3 pentagonal tile horizontally upright to the front-facing side studs, so that its point faces to the right.

Group 13 – Cole's mech's right arm (continued)

104.1 We need to make a sub-build. Place 1 black 2x4 double inverted slope brick with 2x2 cutout horizontally in front of you. Find 2 transparent orange 1x2 plates. Place the first one horizontally on the front row, so that it is centered horizontally. Then, place the second one horizontally behind the ppp.

104.2 Place 1 dark bluish gray 1x2 plate with 1x2 upright side studs horizontally on top of the ppp, so that its side studs face to the back. Rotate 1 black 2x2 right wedge plate so that it points to the right. Place it in front of the ppp.

104.3 Place 1 black 2x2 brick with ball socket on the 2 leftmost columns, so that its socket faces to the left.

104.4 Place 1 tan 1x2 rounded plate with open studs horizontally to the right of the back row of the ppp. Rotate 1 black 2x2 right wedge plate so that it points to the right. Place it in front of the ppp.

104.5 The sub-build is complete. Rotate the right arm build approximately 45 degrees counterclockwise, so that its segments face to the left and to the back right. Place the 2 rightmost columns of the sub-build under the 2 leftmost columns of the arm build.

105. Place 1 tan 1x2 rounded plate with open studs vertically on the 3rd column from the left, to the right of the 2x2 brick with socket.

106. Rotate 1 tan 1x2 rounded plate with open studs horizontally. Place its right column on the front row of the ppp. Then, place 1 dark bluish gray 1x2 plate with 1x4 side studs hanging down behind the ppp, so that its side studs face to the back.

107. Place 1 black 2x2 curved slope tile on the 2 leftmost columns, so that it slopes to the left.

108. Place 1 black 1x3 inverted half arch horizontally to the right of the back row of the ppp, so that it slopes to the right. Then, place 1 transparent orange 1x1 slope tile in front of the middle column of the ppp, so that it slopes to the right.

109. Insert 1 reddish brown mechanical claw vertically upright into the open stud located to the left of the ppp, so that its hands face to the left and right. Then, rotate 1 pearl gold 1x2 plate with bar on short edge and wing horizontally, so that its handle faces to the right. Attach its handle to the ppp.

110. Rotate the mech's right arm 180 degrees on the horizontal plane, so that the ppp faces to the right. Attach 1 orange 2x2 plate upright to the 2 middle columns of front-facing side studs.

111. Locate 2 black 1x2 plates with claws. Rotate the first one upright, so that its antistuds face to the back and its claws face to the left. Attach its rightmost column to the left column of the ppp. Take the second one and repeat symmetrically on the right.

112. Rotate the mech's right arm build approximately 45 degrees clockwise, so that its segments face to the left and front right. Attach 1 black 1x1 plate with clip to each of the 2 left-facing handles. Then, attach 1 dark tan 1x2 curved slope tile horizontally to each of the 2 ppps, so that they slope and overhang to the left by 1 column. These are the fingers.

113. Flip the mech's right arm build 90 degrees from front to back, so that its antistuds face to the front. Then, place 1 dark bluish gray 1x1 round plate with handle on the front left corner, so that its handle faces to the front. Rotate 1 black 2x2 curved corner plate so that its long curved edge faces to the front right. Place its front row to the right of the ppp.

114. Place 1 black 2x2 curved slope tile on top of the 2 leftmost columns, so that it slopes to the back.

115. Attach 1 black 1x1 plate with clip to the front-facing handle. Then, attach 1 dark tan 1x2 curved slope tile horizontally to the ppp, so that it slopes and overhangs to the left by 1 column. This is the thumb.

116. The mech's right arm is complete. Bring back the standing mech, so that its chest 2x3 pentagonal tile faces to the front. Attach the right arm's ball socket to the left-facing ball on the mech's shoulder, so that its antistuds face to the right and the hand faces to the front.

Group 14 – Cole's mech's left arm

117. Let's build the mech's left arm. Place 1 light bluish gray 1x2 plate with 1x2 brick with pin hole in front of you, so that its hole faces to the left. Place 1 tan 1x2 rounded plate with open studs vertically on the rightmost column of the ppp.

118. Insert the short end of 1 tan 3L pin into the left-facing hole, so that it protrudes to the left by 2L.

119. Slide 1 dark bluish gray 1x2 brick with pin hole onto the protruding pin, so that the pin ends protruding to the left by 1L.

120. Find 2 dark tan 1x1 plates with 1x2 upright side studs. Place the first one on the back right corner, so that its side studs face to the back. Take the second one and repeat symmetrically on the front. Then, attach 1 dark tan 2x3 plate horizontally underneath.

121. Place 1 light bluish gray 1x2 plate with door rail vertically on the leftmost column, so that its rail faces to the left. Rotate 1 dark bluish gray 2x6 bent plate so that its segments face to the left and back right. Place its leftmost column to the right of the ppp.

122. Find 2 orange 1x2 plates with 2x2 side studs hanging down. Place the first one horizontally on the front row of the 2 leftmost columns, so that its side studs face to the front. Take the second one and repeat symmetrically on the back.

123. Grab 2 black 1x2 plates with handle on short edge. Place the first one horizontally on top of the ppp, so that its handle faces to the left. Take the second one and repeat symmetrically on the front.

124. Place 1 black 1x2 plate with claws vertically on top of the rightmost column of the 2 ppps, so that its claws face to the right. Then, place 1 transparent orange 1x2 plate vertically to the left of the ppp.

125. Place 1 dark bluish gray 2x2 tile with upright pin on top of the 2 ppps.

126. Attach 1 black 2x3 pentagonal tile horizontally upright to the front-facing side studs, so that its point faces to the left.

Group 15 – Cole's mech's left arm (continued)

127.1 We need to make a sub-build. Place 1 black 2x4 double inverted slope brick with 2x2 cutout horizontally in front of you. Find 2 transparent orange 1x2 plates. Place the first one horizontally on the front row, so that it is centered horizontally. Then, place the second one horizontally behind the ppp.

127.2 Place 1 dark bluish gray 1x2 plate with 1x2 upright side studs horizontally on top of the ppp, so that its side studs face to the back. Rotate 1 black 2x2 left wedge plate so that it points to the left. Place it in front of the ppp.

127.3 Place 1 black 2x2 brick with ball socket on the 2 rightmost columns, so that its socket faces to the right.

127.4 Place 1 tan 1x2 rounded plate with open studs horizontally to the left of the back row of the ppp. Rotate 1 black 2x2 left wedge plate so that it points to the left. Place it in front of the ppp.

127.5 The sub-build is complete. Rotate the left arm build approximately 45 degrees clockwise, so that its segments face to the back left and to the right. Place the 2 leftmost columns of the sub-build under the 2 rightmost columns of the arm build.

128. Place 1 tan 1x2 rounded plate with open studs vertically on the 3rd column from the right, to the left of the 2x2 brick with socket.

129. Rotate 1 tan 1x2 rounded plate with open studs horizontally. Place its left column on the front row of the ppp. Then, place 1 dark bluish gray 1x2 plate with 1x4 side studs hanging down behind the ppp, so that its side studs face to the back.

130. Place 1 black 2x2 curved slope tile on the 2 rightmost columns, so that it slopes to the right.

131. Place 1 black 1x3 inverted half arch horizontally to the left of the back row of the ppp, so that it slopes to the left. Then, place 1 transparent orange 1x1 slope tile in front of the middle column of the ppp, so that it slopes to the left.

132. Insert 1 reddish brown mechanical claw vertically upright into the open stud located to the right of the ppp, so that its hands face to the left and right. Then, rotate 1 pearl gold 1x2 plate with bar on short edge and wing horizontally, so that its handle faces to the left. Attach its handle to the ppp.

133. Rotate the mech's right arm 180 degrees on the horizontal plane, so that the ppp faces to the left. Attach 1 orange 2x2 plate upright to the 2 middle columns of front-facing side studs.

134. Locate 2 black 1x2 plates with claws. Rotate the first one upright, so that its antistuds face to the back and its claws face to the left. Attach its rightmost column to the left column of the ppp. Take the second one and repeat symmetrically on the right.

135. Rotate the mech's right arm build approximately 45 degrees counterclockwise, so that its segments face to the front left and right. Attach 1 black 1x1 plate with clip to each of the 2 right-facing handles. Then, attach 1 dark tan 1x2 curved slope tile horizontally to each of the 2 ppps, so that they slope and overhang to the right by 1 column. These are the fingers.

136. Flip the mech's right arm build 90 degrees from front to back, so that its antistuds face to the front. Then, place 1 dark bluish gray 1x1 round plate with handle on the front right corner, so that its handle faces to the front.

137. Rotate 1 black 2x2 curved corner plate so that its long curved edge faces to the front left. Place its front row to the left of the ppp.

138. Place 1 black 2x2 curved slope tile on top of the 2 rightmost columns, so that it slopes to the back.

139. Attach 1 black 1x1 plate with clip to the front-facing handle. Then, attach 1 dark tan 1x2 curved slope tile horizontally to the ppp, so that it slopes and overhangs to the right by 1 column. This is the thumb.

140. The mech's left arm is complete. Bring back the standing mech, so that its chest 2x3 pentagonal tile faces to the front. Attach the left arm's ball socket to the right-facing ball on the mech's shoulder, so that its antistuds face to the left and the hand faces to the front.

Group 16 – Cole's mech's sword

141. Let's build the mech's sword. Place 1 transparent orange 14L blade with 2 axle holes vertically in front of you, so that its curved edge faces to the left. Then, insert 1 red 2L axle into the right front-facing axle hole of the ppp, so that it protrudes to the front by 1L.

142. Attach 1 reddish brown axle connector with pin hole vertically to the ppp, so that its pin hole faces to the left and right. Then, insert 1 blue 2L pin and axle into the front-facing axle hole of the ppp, so that its pin protrudes to the front.

143. Attach 1 orange 1x1 round liftarm to the ppp. The mech's sword is complete. Attach it to the mech by attaching its pin hole to the pin located on the mech's left hand.

Group 17 – Cole's mech's staff

144. Let's build the mech's staff. Place 1 pearl gold 2L pin connector vertically in front of you. Then, insert 1 dark bluish gray 3L pin with axle into the ppp, so that its axle protrudes to the front.

145. Attach 1 reddish brown 2L axle connector to the ppp. Then, attach 1 red 2L axle to the ppp, so that it protrudes to the front by 1L.

146. Attach 1 reddish brown 2L axle connector to the ppp. Then, attach 1 red 2L axle to the ppp, so that it protrudes to the front by 1L.

147. Attach 1 reddish brown 2L axle connector to the ppp. Then, attach 1 dark bluish gray pin connector with axles on opposite sides to the ppp, so that its pin hole faces up and down.

148. Attach 1 reddish brown axle connector with pin hole to the ppp, so that its pin hole faces up and down. Then, attach 1 red 2L axle to the ppp, so that it protrudes to the front by 1L.

149. Attach the 2 pins of 1 reddish brown 3L pin connector with 2 pins and center hole vertically to the top-facing holes, so that its hole faces up.

150. Attach 1 reddish brown 2L axle connector to the front-protruding axle. Then, attach 1 red 2L axle to the ppp, so that it protrudes to the front by 1L.

151. Attach 1 reddish brown 2L axle connector to the ppp. Then, attach 1 dark bluish gray 3L pin and axle to the ppp, so that its pin protrudes to the front.

152. Attach 1 orange 1x1 round liftarm to the ppp, so that the pin protrudes to the front by 1L. Then, attach 1 pearl gold 2L round pin connector to the front-protruding pin. The mech's staff is complete. Attach it to the mech by attaching its top-facing pin hole to either of the back-facing pins.

Group 18 – Cole's mech's blaster

153. Let's build the mech's blaster. Place 1 orange 1x4 plate horizontally in front of you.

154. Place 4 black 1x1 bricks with axle hole, one to the right of the other, on top of the ppp, so that their axle holes face to the left and right.

155. Place 1 transparent orange 1x2 plate horizontally on top of the 2 leftmost columns. Then, place 1 reddish brown 1x2 plate with clip on long edge horizontally to the right of the ppp, so that its clip faces to the back.

156. Place 1 dark bluish gray 1x4 projectile launcher horizontally on top of the 2 ppps.

157. Place 1 orange 1x2 plate with 2x2 side studs hanging down horizontally on top of the 2 rightmost columns of the ppp, so that its side studs face to the front.

158. Place 1 transparent orange 1x1 slope tile on top of the right column of the ppp, so that it slopes to the right. Then, place 1 black 1x3 inverted half arch horizontally to the left of the ppp, so that it slopes to the left.

159. Place 1 dark tan 1x1 plate with 1x2 upright side studs under the rightmost column, so that its side studs face to the front.

160. Attach 1 black 1x4 tile with 2 studs vertically upright to the right column of front-facing side studs. Then, attach 1 flat silver 1x2 ingot tile vertically upright to the left column of front-facing side studs.

161. Insert 1 blue 2L pin with axle into the right-facing axle hole, so that its pin protrudes to the right. Then, attach 1 pearl gold 2L round pin connector to the ppp. Continue by inserting the short end of 1 tan 3L pin into the ppp, so that it protrudes to the right by 2L. Lastly, attach 1 pearl gold 2L round pin connector to the ppp.

162.1 We need to make a small sub-build. Hold 1 black 3L perpendicular axle and pin connector, so that its pin hole faces to the front and back and its axle holes face to the left and right. Then, insert 1 blue 2L pin with axle to the bottom left-facing hole, so that its pin protrudes to the left.

162.2 Rotate 1 reddish brown 3L liftarm vertically upright, so that its holes face to the left and right. Attach its bottom right-facing hole to the ppp.

162.3 The sub-build is complete. Align the top hole of the sub-build with the left-facing axle hole on the mech's blaster. Then, insert 1 reddish brown 5L axle with stop to the top left-facing hole of the sub-build and push it all the way to the right, connecting the sub-build with the rest of the mech's blaster. The mech's blaster is complete. Attach it to the mech by attaching its free left-facing hole to the pin on the mech's right hand.

163. You can insert any of the 3 transparent red projectiles into the front of the mech's blaster projectile launcher. You can fire them by pressing the projectile's back down. Be careful not to point or shoot at anyone's face!

The mech is complete! If you wish, you can give him a pilot by opening the cockpit, standing Cole in it, and closing it. Enjoy the adventures of Cole in his mech and Dragon Zane fighting the Acid Monster.

At the end of the instruction booklet, you will find one page advertising set 71855 (Ninja Dragon Riyu's Battle), with the text "MIX AND MATCH", referring to the ability of exchanging the weapons between both sets. Afterwards, you will find the set inventory. On the last page you will find an invitation to share feedback.

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