

21362 Mineral Collection

Adapted by Arturo Moncada-Torres and tested by Jolene Nemeth.

Showcase the vibrant colors of minerals with the LEGO® Ideas Mineral Collection (21362) building set for adults. A wonderful gift for rock collectors and nature lovers, this collectible set features brick-built models of 6 minerals and buildable display shelf units to create eye-catching living room decor. Use clever building techniques and transparent LEGO bricks to create models of golden pyrite, purple amethyst, blue fluorite, watermelon tourmaline, reddish-pink rhodochrosite and tangerine quartz. Assemble the 3 freestanding shelving units and attach your creations to the shelves. Arrange the units as you wish and swap the minerals to different shelves to change up your display.

The packaging has the esthetic design of all the recent 18+ sets. The front of the box depicts the 3 shelves: the left one contains the pyrite on top and the watermelon tourmaline on the bottom, the middle one has the amethyst on top and the rhodochrosite on the bottom, the right one contains the fluorite on top and the tangerine quartz on the bottom. They are on top of a black background with a slightly golden light coming from its center. The top left corner is decorated with the name of the set (“Mineral Collection”), as well as the LEGO Ideas logo, with the set’s LEGO Ideas number (#070). The bottom left corner has the iconic red LEGO logo. The right corner has the set’s suggested age group (18+), set number (21362), and number of pieces (880). The bottom has a dark brown background composed of greebling made of LEGO pieces. The left of the box depicts a shelf with the amethyst on top and the tangerine quartz on the bottom. The back of the box shows again the mineral on the shelves, but this time in a different configuration: the left shelf contains the rhodochrosite on top and the tangerine quartz on the bottom, the middle one has the watermelon tourmaline on top and the fluorite on the bottom, and the right one has the pyrite on top and the amethyst on the bottom. Moreover, this picture shows the shelves separated from each other. On the right, the steps of the LEGO Ideas process are shown, from top to bottom: “Share your idea”, “Gather support”, “LEGO review”, and “New LEGO product”. The top left corner has the iconic red LEGO logo. On the bottom left corner, we see a black and white outline of the final build, showing its dimensions (28 cm/11 inches wide and 18 cm/7 inches tall). At the bottom center and bottom right, we see real-life pictures of the set in different configurations, emphasizing its customizability. The right side of the box shows the LEGO Ideas’ steps like in the front side, but translated into many different languages. The top of the box shows 3 minerals, from left to right: pyrite, fluorite, and rhodochrosite. On the right side we see the set’s name in different languages and one piece of the pyrite in a 1:1 scale. The bottom side is a tidy strip that contains the barcode as well as a few technical bits: the set number, the place of manufacture, copyright and trademark notices.

The build consists of 880 pieces in total and is recommended for ages 18+. Once finished, you will have a nice display piece with 6 colorful minerals in many different shapes. The set consists of 7 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.
- “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).

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/21362>]. 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 7 bags labeled 1 through 7 and 3 instruction booklets. 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 – Shelf unit, pyrite

Group 1: steps 1 – 6

Group 2: steps 7 – 10

Group 3: steps 11 – 13

Group 4: steps 14 – 19

Group 5: steps 20 – 21

Group 6: steps 22 – 28
Group 7: steps 29 – 32
Group 8: steps 33 – 41

Book 1, Bag 2 – Watermelon tourmaline

Group 9: steps 42 – 47
Group 10: steps 48 – 53
Group 11: steps 54 – 55
Group 12: step 56
Group 13: step 57
Group 14: step 58
Group 15: steps 59 – 60
Group 16: steps 61 – 67

Book 2, Bag 3 – Shelf unit, fluorite

Group 17: steps 1 – 6
Group 18: steps 7 – 10
Group 19: steps 11 – 13
Group 20: steps 14 – 19
Group 21: steps 20 – 21
Group 22: steps 22 – 27
Group 23: steps 28 – 33
Group 24: steps 34 – 38
Group 25: steps 39 – 43
Group 26: steps 44 – 52

Book 2, Bag 4 – Tangerine quartz

Group 27: steps 53 – 56
Group 28: steps 57 – 60
Group 29: steps 61 – 65
Group 30: steps 66 – 67
Group 31: steps 68 – 74
Group 32: steps 75 – 77

Book 3, Bag 5 – Shelf unit

Group 33: steps 1 – 5
Group 34: steps 6 – 10
Group 35: steps 11 – 15
Group 36: steps 16 – 17

Book 3, Bag 6 – Rhodochrosite

Group 37: steps 18 – 20
Group 38: steps 21 – 25
Group 39: steps 26 – 33
Group 40: steps 34 – 37
Group 41: steps 38 – 40
Group 42: steps 41 – 44
Group 43: steps 45 – 46

Group 44: steps 47 – 54

Book 3, Bag 7 – Amethyst

Group 45: steps 55 – 59

Group 46: steps 60 – 62

Group 47: steps 63 – 68

Group 48: step 69

Group 49: steps 70 – 74

Group 50: steps 75 – 76

Group 51: steps 77 – 79

Group 52: steps 80 – 82

Group 53: steps 83 – 87

Group 54: steps 88 – 95

Group 55: step 96

Group 56: steps 97 – 101

Group 57: steps 102 – 106

Group 58: steps 107 – 114

Group 59: steps 115 – 116

Group 60: step 117

Group 61: steps 118 – 122

Building Instructions

The instructions begin with several pages of preamble about the original model which inspired the set.

MEET THE FAN DESIGNER

Dario Del Frate (LEGO Ideas name ddf72) manages an engineering company in Madrid, Spain. At home, he and his family enjoy building with LEGO bricks: “Thank you to everyone who voted for this idea! I’m so happy to see this set come to life. LEGO building for me means thinking outside the box. That’s why I love small builds – they’re fun and challenging at the same time! I have been fascinated by minerals since I was a kid, when visiting the Natural History Museum of Milan, my hometown. I’m not an expert; I simply love the beauty of these natural masterpieces! With my idea, I tried to capture some of that beauty with the shiniest of LEGO bricks, the transparent ones, plus some black and gold! That’s how the original specimens came to be. The pyrite and emerald are straightforward builds, but the geode, rhodochrosite and schorl are complex and tons of fun! All the minerals are scaled 1:1 and can be displayed from all sides. I hope my collection inspires you to keep building and keep dreaming!”

On this page, there is a picture of Dario with his original set submission. Dario is a middle-aged man with gray short hair, moustache, and beard. He is wearing his black glasses, a green jacket, and has an over-the-shoulder bag. He is standing in what seems to be a museum, with a display case to his left with some rocks and minerals on display, very suitable for the set.

NATURE’S CREATIONS/BEAUTIES OF NATURE

Developed over millions of years, these stunning minerals emerge from Earth’s depths. Shaped by heat, pressure and time, they connect us with nature through their artful expressions.

WATERMELON TOURMALINE

Grows in pegmatite pockets where its minerals like lithium or manganese help form its unique pink-green colors in elongated crystals. The description comes with its corresponding image: a crystal that shows a vivid pink core base, with a transparent mid-section and a green tip, resembling a slice of watermelon. The colors are sharply defined, with a translucent to transparent quality.

PYRITE

Forms in hydrothermal veins and sedimentary rocks, often in cubic or granular shapes. Pyrite is also known as “fool’s gold” due to its metallic look. The description comes with its corresponding image: a mineral with a brassy-gold in color, with sharp cubic black shapes. Its surfaces are reflective and lustrous, with a dense, solid appearance.

AMETHYST

Develops inside volcanic geodes, creating vibrant, purple-hued quartz crystals. The world’s largest amethyst stands 10.49 ft. (3.27 m) high and weighs 2.75 US tons (2.5 metric tons)! The description comes with its corresponding image: a crystal displaying shades of purple ranging from pale lavender to deep violet. It forms transparent, pointed quartz crystals that cluster together in geodes.

RHODOCHROSITE

Forms in hydrothermal veins in manganese-rich deposits, often creating banded or rhombohedral crystals in pink/red shades. The description comes with its corresponding image: a cluster of dark gray and black sharp shapes with smooth layers and round masses of crystals in red tones.

TANGERINE QUARTZ

Gets its distinctive color from iron-rich mineral coatings, forming as clusters or single points with a translucent, slightly rough surface. The description comes with its corresponding image: quartz crystals colored orange. The color is uneven towards the tips of the crystals, where they appear dusty or slightly metallic and translucent.

FLUORITE

Typically, it forms in an isometric cubic structure but it’s not unusual to see it in octahedral and other intricate isometric shapes. The description comes with its corresponding image: a dark gray base with crystals in sharp cubic and octahedral shapes in tones that range from light blue to dark purple covered in a glassy luster.

Alright, let’s get building!

Book 1, bag 1:

Group 1 – Shelf unit

1. Locate 1 reddish brown 1x12 plate. Place it horizontally in front of you. Find 1 dark brown 1x4 plate. Place it horizontally on top of the ppp, so that it is centered horizontally.

2. Pick up 2 dark brown 1x1 plates. Place them to the left and right of the ppp. Locate 2 dark brown 3x3 corner plates. Take the first one and rotate it so the right angle faces the back left. Place its back row on the 3 left columns of the 1x12 plate, so that it overhangs by 2 rows to the front. Take the second one and repeat symmetrically to the right.

3. Find 2 reddish brown 1x6 plates. Take the first one and vertically place its 2 back rows under the overhang of the ppp. Take the second one and repeat symmetrically to the left.

4. Locate 2 dark brown 1x10 plates. Take the first one and vertically place its 4 back rows on top of the ppp, so that it overhangs to the front by 6 rows. Take the second one and repeat symmetrically to the right.

5. Locate 2 reddish brown 1x2 plates. Take the first one and vertically place it under the 5th and 6th rows from the front of the ppp, so it sits in front of the 1x6 plate. Take the second one and repeat symmetrically to the left.

6.1 Let's make the second half of the frame as a separate sub-build. Find 1 reddish brown 1x12 plate and place it horizontally in front of you. Pick up 1 dark brown 1x4 plate. Place it horizontally on top of the ppp, so that it is centered horizontally.

6.2 Locate 2 dark brown 1x1 plates. Place them to the left and right of the ppp. Locate 2 dark brown 3x3 corner plates. Take the first one and rotate it so that its right angle is in the front left. Place its front row on top of the 3 leftmost columns of the 1x12 plate, so that it overhangs by 2 rows to the back. Take the second one and repeat symmetrically to the right.

6.3 Find 2 reddish brown 1x6 plates. Take the first one and rotate it vertically. Place its 2 front rows under the overhang of the ppp. Take the second one and repeat symmetrically to the left.

6.4 Place the 4 exposed back rows of the sub-build underneath the left and right overhanging columns of the main build. This should result in a 12x16 rectangular frame with no overhang in any direction.

Group 2 – Shelf unit

7. Locate 2 reddish brown 1x12 plates. Take the first one and place it centered horizontally on the back row. Take the second one and repeat symmetrically to the front. Pick up 4 reddish brown 1x4 tiles with 2 studs. Take 2 and place them vertically one behind the other behind the leftmost column of the ppp. Take the remaining 2 and repeat symmetrically on the right side.

8. Find 2 reddish brown 1x6 tiles. Take the first one and place it vertically to the back of the ppp. Take the second one and place it symmetrically to the left. Locate 2 reddish brown 1x1 slope tiles. Place them on the 6th front row on both leftmost and rightmost columns, so that they slope to the back.

9. Locate 2 reddish brown 1x12 bricks. Take the first one and place it centered horizontally on the back row. Take the second one and repeat symmetrically on the front row.

10.1 Let's make 2 identical sub-builds, beginning with the first one. Place 1 reddish brown 1x2x2 window panel horizontally in front of you, so that its ridge faces to the front. Locate 1 transparent-clear 1x2x2 glass. Attach it to the front of the window.

10.2 Find 1 reddish brown 1x2 brick with side stud. Place it centered horizontally under the window, so that its side stud faces the front.

10.3 Place the build horizontally on top of the back row of the main build, so that it is centered horizontally and its side stud faces to the front.

10.4 Build a second identical build. Place it horizontally on top of the front row of the main build, so that it is centered horizontally and its side stud faces to the front.

Group 3 – Shelf unit

11. Find 4 reddish brown 1x4x3 window panels. Take the first 2 and place them horizontally to the left and right of the previously placed build. Make sure that the ridges are facing to the front. Take the remaining 2 and place them on either side of the window build on the back row, so that the ridges face to the front. Pick up 4 transparent-clear 1x4x3 windows. Attach each of them to the front of all 4 window panels, making sure that the windows are closed.

12. Locate 4 reddish brown 1x1x3 bricks. Place 1 on top of each of the 4 corners of the build.

13. Pick up 2 reddish brown 1x1x3 bricks. Place them on the 5th front row on both leftmost and rightmost columns, in front of the 1x1 slope tiles. Locate 2 reddish brown 1x1 bricks and place them on top of the ppps. Put the main build to the side for now.

Group 4 – Shelf unit

14. We will build the top part of the frame, starting with its first half. Place 1 reddish brown 1x12 plate horizontally in front of you. Find 1 dark brown 1x4 plate and place it horizontally on top of the ppp, so that it is centered horizontally.

15. Locate 2 dark brown 1x1 plates. Place them to the left and right of the ppp. Locate 2 dark brown 3x3 corner plates. Take the first one and rotate it so that its right angle faces to the back left. Place its back row on top of the 3 left columns of the 1x12 plate, so that it overhangs by 2 rows to the front. Take the second one and repeat symmetrically to the right.

16. Find 2 reddish brown 1x6 plates. Take the first one and vertically place its 2 back rows under the overhang of the ppp, so that 4 rows are exposed to the front. Take the second one and repeat symmetrically to the left.

17. Pick up 2 dark brown 1x10 plates. Take the first one and vertically place its 4 back rows on top of the ppp, so that it overhangs to the front by 6 studs. Take the second one and repeat symmetrically to the right.

18. Locate 2 reddish brown 1x2 plates. Take the first one and place it vertically under the 5th and 6th front rows of the ppp. Take the second one and repeat symmetrically to the left.

19.1 Let's make the second half of the frame as a separate sub-build. Place 1 reddish brown 1x12 plate horizontally in front of you. Pick up 1 dark brown 1x4 plate and place it horizontally on top of the ppp, so that it is centered horizontally.

19.2 Locate 2 dark brown 1x1 plates. Place them to the left and right of the ppp. Locate 2 dark brown 3x3 corner plates. Take the first one and rotate it so that its right angle faces to the front left. Place its front row on top of the 3 left columns of the 1x12 plate, so that it overhangs by 2 rows to the back. Take the second one and repeat symmetrically to the right.

19.3 Find 2 reddish brown 1x6 plates. Take the first one and vertically place its 2 front rows under the overhang of the ppp. Take the second one and repeat symmetrically to the left.

19.4 Place the 4 back rows of the left and right columns of the sub-build under the overhanging rows of the left and right columns of the first half of the frame. This should result in a 12x16 rectangular frame with no overhang in any direction.

Group 5 – Shelf unit

20. Locate 2 reddish brown 1x2 tiles. Place them horizontally on top of the front and back rows, so that they are centered horizontally. Locate 4 reddish brown 1x4 tiles. Place them horizontally to the left and right of the ppps. Locate 2 reddish brown 1x2 tiles. Place them vertically on top of the leftmost and rightmost columns, so that they are centered vertically. Locate 4 reddish brown 1x6 tiles. Place them to the front and back of the ppps. Locate 4 metallic gold 1x1 tiles. Place them on top of all 4 corners.

21. Take this frame and place it on top of the main build. This completes this shelf.

Group 6 – Pyrite

22. Let's build the pyrite. Place 1 reddish brown 1x1 brick in front of you.

23. Locate 1 dark tan 2x2 plate. Place its back, leftmost stud on top of the ppp.

24. Flip the build 90 degrees from front to back, so that its antistuds are facing to the front. Locate 1 light bluish gray 1x1 brick with side stud and bottom lip. Rotate it so that its antistud is facing to the front and its side stud is facing upwards. Attach its back-facing stud to the rightmost column of the bottom row of the front-facing antistuds, to the right of the 1x1 brick.

25. Find 2 tan 1x1 plates with 1x2 upright side studs. Take the first one and rotate it horizontally upright, so that its antistud is facing to the front and its side studs are facing to the right. Attach its stud to the front-facing antistud of the ppp. Take the second one and repeat symmetrically to the left.

26.1 Let's make a small sub-build. Place 1 white 1x1 plate with 1x1 upright side stud in front of you so that its side stud is facing to the front. Locate 1 yellow 1x2 brick with 2 studs on 2 sides. Place it vertically on top of the ppp, so that its side studs are facing to the left and to the right and it overhangs to the back by 1 row.

26.2 Find 1 white 1x1 plate with 1x1 upright side stud. Attach it upright to the front right facing side stud, so that its side stud faces down. Locate 1 tan 1x1 round plate. Attach it to the downward-facing side stud of the ppp. Locate 1 medium nougat 1x1 round tile with a white animal paw print. Attach it upright on the front right-facing side stud. You'll find one more paw print element in this set. These are nods to Dario's two cats, Mochi and Mia.

26.3 Locate 1 dark tan 1x2 plate with 1x2 side studs hanging down. Attach it to the leftmost column of the sub-build, so that it overhangs to the right by one column and its side studs face to the front.

26.4 Flip the sub-build 90 degrees from front to back, so that its antistuds are facing to the front. Attach its bottom stud of the left column of back-facing studs to the left column of the top row of front-facing antistuds of the pyrite build, creating a 2x3 studded surface facing to the back.

27. Place 1 dark tan 2x2 plate on top of the build, so that its front, right corner overhangs.

28. Locate 2 tan 1x2 plates. Take the first one and place it horizontally upright on the right-facing side studs, so that it is centered horizontally. Take the second one and place it horizontally upright on top of the ppp.

Group 7 – Pyrite

29.1 Let's make a small sub-build. Find 1 tan 1x3 plate. Place it horizontally in front of you. Locate 1 tan 1x1 round plate. Place it on top of the rightmost column of the ppp. Pick up 1 tan 1x1 brick with side stud. Place it on top of the ppp, so that its side stud is facing to the front.

29.2 Place 1 tan 1x1 round plate on top of the ppp. Find 1 tan 1x2 curved brick. Rotate it vertically upright, so that its antistuds are facing to the back and it slopes to the right. Attach its top row to the front-facing side stud of the sub-build.

29.3 Flip the sub-build 90 degrees from front to back, so that its antistuds are facing to the front. Insert it centered horizontally upright into the second row from the bottom of front-facing antistuds of the pyrite build, so that it attaches by its left column.

30.1 Rotate the pyrite build 180 degrees horizontally, so that the 2x3 side stud surface is facing to the front. Let's make a small sub-build. Locate 1 tan 1x2 plate. Place it horizontally in front of you. Find 1 tan 1x2 plate with pin hole on top. Place it centered horizontally on top of the ppp, so that its pin hole is to the right.

30.2 Place 1 tan 1x1 round plate on the leftmost column of the sub-build.

30.3 Find 1 tan 1x1 slope tile. Place it on top of the ppp, so that it slopes to the front. Insert 1 red ½ pin with stud into the front-facing pin hole, so that its stud is facing to the front.

30.4 Attach the sub-build horizontally upright to the bottom row of right-facing side studs, so that the pin stud is facing upwards.

31. Find 1 metallic gold 1x2 tile. Place it centered horizontally on the middle row of front-facing studs.

32.1 Let's make a small sub-build. Place 1 tan 1x4 plate horizontally in front of you. Find 1 tan 1x2 plate. Place it horizontally on top of the 2 left columns of the ppp.

32.2 Locate 1 tan 1x1 short brick with round side and side stud. Place it on top of the leftmost column of the ppp, so that its side stud is facing to the back. Pick up 1 tan 2x2 curved sloped left wedge tile. Rotate it horizontally so that it points to the right. Place its front row centered horizontally on top of the sub-build.

32.3 Locate 2 tan 1x2 curved slopes. Take the first one and place it horizontally to the right of the ppp, so that it slopes and overhangs to the right by 1 column. Take the second one and place it horizontally on top of the leftmost column of the sub-build, so that it slopes to the right and its right column sits on top of the curved sloped wedge tile.

32.4 Flip the sub-assembly 90 degrees from back to front, so that its antistuds are facing to the back and its side stud is facing upwards. Attach it horizontally to the bottom row of the front-facing studs of the pyrite build, so that it is centered horizontally and its left column is flush with the pyrite's left side.

Group 8 – Pyrite

33.1 Let's make another sub-build. Place 1 tan 1x2 plate horizontally in front of you. Locate 1 tan 2x2 curved sloped right wedge tile. Rotate it horizontally, so that it points to the left. Place its rightmost column of the front row on top of the leftmost stud of the ppp, so that it overhangs to the left by 1 column.

33.2 Find 1 tan 1x2 curved slope. Place it horizontally on the rightmost stud of the sub-build, so that it slopes and overhangs by 1 column to the right.

33.3 Rotate the main build 180 degrees, so that its antistuds are facing to the front and the stud of the pin facing upwards is to the left. Rotate the sub-build horizontally upright, so that its antistuds are facing the left and the 1x2 curved slope slopes to the back. Attach its 2 leftmost columns to the right-facing side studs.

34.1 Let's make another sub-build. Place 1 tan 1x2 plate horizontally in front of you. Pick up 1 tan 1x2 inverted curved slope tile. Rotate it horizontally so that it slopes to the right. Place its leftmost column under the rightmost column of the ppp.

34.2 Locate another tan 1x2 inverted curve slope and repeat the previous placement symmetrically to the left.

34.3 Find 1 dark tan 2x2 plate. Place it centered on top of the sub-build, so that it overhangs by 1 row to the front.

34.4 Pick up 1 tan 1x1 round plate. Place it under the left of the overhanging row of the ppp.

34.5 Locate 1 tan 1x2 left wedge tile. Place it on top of the leftmost column, so that the wedge points to the left. Find 1 tan 1x2 right wedge tile. Place it symmetrically to the right.

34.6 Flip the sub-build 90 degrees from front to back, so that its antistuds are facing to the front and the overhanging row with 1 round plate is on top. Attach it to the 2 bottom rows of front-facing antistuds of the main build, so that it is centered horizontally and its bottom edge is even with its bottom.

35. Find 1 tan 1x2 inverted curved slope tile. Rotate it horizontally upright, so that its studs are facing to the front and it slopes to the right. Attach it to the 2 right columns of the 2nd row from the bottom of the front-facing antistuds.

36. Rotate the main build 180 degrees, so that the stud of the pin facing upwards is to the right. Pick up 2 metallic gold 1x2 tiles. Take the first one and place it upright vertically on the rightmost column of the top level of the build, so that it is centered vertically. Place the second one horizontally upright on the bottom right-facing side stud, so that it is centered horizontally.

37. Rotate the main build 90 degrees clockwise, so that the stud of the pin facing upwards is to the front. Locate 2 metallic gold 2x2 tiles. Take the first one and place it upright above the ppp. Place the second one on the side studs on the right face of the pyrite build, so that its left edge is in contact with the right edge of the ppp.

38. Find 1 metallic gold pixelated creature head. Attach the center of the recessed antistuds to the stud of the pin facing upwards on the front row.

39. Pick up 1 metallic gold pixelated creature head. Attach its recessed antistuds to the back row of studs on top of the pyrite build. Locate 1 metallic gold 1x2 tile. Rotate it vertically upright so that its antistuds are facing to the right. Attach it to the back left-facing side stud, so that it overhangs by 1 row to the top. Find 1 metallic gold 1x1 tile. Place it angled on top of the stud on the leftmost column of the build, so that its corners point to the front, back, left, and right.

40. Locate 1 metallic gold pixelated creature head. Rotate it so that its antistuds are facing to the right and the lip of the recessed antistuds is facing to the back. Attach the bottom recessed antistud to the front side stud on the left face of the build. The pyrite build is done!

41. Bring back the shelving unit build. Rotate it 180 degrees on the horizontal plane. Flip it 90 degrees from back to front, so that it is standing. The top surface should have one stud facing upwards. Attach the pyrite build to this stud. Feel free to rotate it as you please.

Boek 1, bag 2

Group 9 – Watermelon tourmaline

42. Let's build the watermelon tourmaline. Place 1 bright green 1x1x1 2/3 brick with studs on 3 sides in front of you, so that its side with no studs is facing to the left. Find 1 white 1x2 plate. Rotate it horizontally upright, so that its antistuds are facing to the front. Attach its rightmost column to the bottom back-facing side stud, so that it overhangs by one column to the left.

43. Locate 1 bright green 1x1x1 2/3 brick with studs on 3 sides. Rotate it so that its side with no studs is facing to the right. Attach its bottom back-facing stud to the overhang of the ppp. Find 1 white 1x2 plate. Rotate it horizontally upright, so that its antistuds are facing to the back. Attach it to the bottom row of front-facing side studs, so that there is no overhang.

44. Pick up 2 bright green 1x1x1 2/3 bricks with studs on 3 sides. Take the first one and place it on top of the leftmost column, so that its face with no side studs is facing to the right. Take the second one and repeat symmetrically to the right.

45. Find 2 bright green 1x3 plates. Take the first one and place it vertically upright on the left column of the top 3 rows of the front-facing studs. Take the second one and repeat symmetrically to the back.

46. Pick 1 white 1x1 slope tile. Place it upright on the leftmost column of the bottom row of front-facing side studs so that it slopes down. Locate 1 white 1x2 curved slope right wedge tile. Rotate it horizontally upright so that its antistuds are facing to the back and it points to the right. Place it to the right of the ppp, so that it overhangs to the right by 1 column.

47.1 Let's make a small sub-build. Locate 1 white 1x2 plate. Place it vertically in front of you. Find 1 transparent-clear 1x1 round plate. Place it on the back row of the ppp.

47.2 Pick up 1 white 1x2 plate with stud and slope tile. Rotate it horizontally so that it slopes to the right. Place its rightmost column on top of the front row of the 1x2 plate, so that it overhangs to the left by one stud. Locate 1 white 1x2 plate. Rotate it horizontally and place its rightmost column under the overhang of the ppp.

47.3 Place 1 transparent-clear 1x1 round plate on top of the leftmost column.

47.4 Locate 1 white 1x2 plate. Place it horizontally on the 2 leftmost columns of the front row.

47.5 Find 1 transparent-clear 1x1 round plate. Place it on top of the leftmost column. Pick up 1 transparent-clear 1x1 slope tile. Place it to the right of the ppp, so that it slopes to the right.

47.6 Rotate the sub-build vertically upright, so that its antistuds are facing to the left and the slope tiles are facing down. Attach it to the 3 bottom right-facing studs of the tourmaline build.

Group 10 – Watermelon tourmaline

48.1 Let's make a new small sub-build. Place 1 white 2x2 corner plate in front of you so that it resembles a J in Braille. Pick 1 transparent-clear 1x1 round plate. Place it on top of the front right corner of the ppp.

48.2 Locate 1 white 1x2 curved slope left wedge tile. Place it horizontally to the back of the ppp, so that it slopes and overhangs by 1 column to the right.

48.3 Rotate the sub-build upright, so that its antistuds are facing to the back and the wedge plate is pointing to the right. Attach its leftmost column to the bottom stud on the right column of the front-facing side studs.

48.4 Let's make a similar small sub-build. Place 1 white 2x2 corner plate in front of you so that it resembles an H in Braille. Locate 1 transparent-clear 1x1 slope tile. Place it on top of the front left corner of the ppp, so that it slopes to the left.

48.5 Locate 1 white 1x2 curved slope left wedge tile. Place it horizontally to the back of the ppp, so that it slopes and overhangs by 1 column to the left.

48.6 Rotate the sub-build upright, so that its antistuds are facing to the front and the wedge plate is pointing to the right. Attach its leftmost column to the bottom stud on the right column of the back-facing side studs.

49. Rotate the main build horizontally 180 degrees, so that the sub-builds of the previous step are on the left side. Locate 1 transparent-clear 1x1 slope tile. Place it on the bottom row of the leftmost column of the front-facing studs, so that it slopes to the right. Locate 1 white 1x1 slope tile. Place it to the right of the ppp, so that it slopes downwards. Locate 1 transparent-clear 1x2 triple slope tile. Rotate it horizontally upright so that its antistuds are facing to the left and its flat face is facing upwards. Place it centered horizontally on the bottom row of the right-facing side stud, so that it is centered horizontally.

50. Find 2 bright green 1x1x1 2/3 bricks with studs on 3 sides. Take the first one and place it on top of the leftmost column, so that its side with no studs faces to the right. Take the second one and repeat symmetrically to the right.

51. Pick up 2 bright green 1x3 plates. Take the first one and place it vertically upright on top of the 2nd through 4th rows from the top of the leftmost column of the front-facing studs. Take the second one and repeat symmetrically to the back. Locate 2 lime green 2x2 corner plates. Take the first one and rotate it upright so that it resembles a D in Braille. Place it on the top right corner of the front-facing studs. Take the second one and repeat symmetrically to the back.

52. Find 18 transparent-yellow 1x2 plates. Take the first 5 and place them horizontally upright, one above the other, on the front-facing side studs, so that they are centered horizontally. Take the next 5 and repeat symmetrically to the back. Then, grab the next 5 and place them similarly centered horizontally on the right-facing side studs. Lastly, take the remaining 3 place them similarly centered horizontally on the left-facing side studs.

53. Pick up 7 transparent-clear 2x2 jumpers. Take the first 2 and place them upright, one above the other, on the 4 bottom rows of the front-facing side studs. Grab the next 2 and repeat symmetrically to the back. Take the next 2 and place them similarly on the right-facing side studs. Lastly, grab the last one and place it on the 2nd and 3rd rows from the top of the left-facing side studs. In the end, the top row of each of the 4 faces should be free. Put the tourmaline build to the side for now.

Group 11 – Watermelon tourmaline

54. Locate 1 dark pink 1x1x1 2/3 brick with studs on 3 sides. Place it in front of you, so that its side with no studs is facing to the right. Find 1 bright pink 1x2 plate. Rotate it horizontally upright, so that its antistuds are facing to the back. Attach its leftmost antistud to the bottom back-facing side stud, so that it overhangs to the right by 1 column.

55. Pick up 1 dark pink 1x1x1 2/3 brick with studs on 3 sides. Rotate it so that its side with no studs faces to the left. Attach its bottom back-facing stud to the overhang of the ppp. Locate 1 bright pink 1x2 plate. Rotate it horizontally upright, so that its antistuds are facing to the back. Attach it to the bottom row of front-facing side studs, so that it is centered horizontally.

Group 12 – Watermelon tourmaline

56. Locate 2 dark pink 1x2 plates. Take the first one and place it centered horizontally above the ppp. Take the second one and repeat symmetrically to the back.

Group 13 – Watermelon tourmaline

57. Locate 4 transparent-yellow 1x2 plates. Take the first one and place it horizontally upright on the bottom row of the front-facing side studs, so that it is centered horizontally. Grab the remaining plates and place them similarly on the right, left, and back faces.

Group 14 – Watermelon tourmaline

58. Locate 4 transparent-clear 1x2 plates. Take the first one and place it horizontally upright on the top row of the front-facing side studs. Take the remaining plates and place them similarly on the right, left, and back faces.

Group 15 – Watermelon tourmaline

59. Find 1 dark pink 1x2 plate. Place it centered horizontally on top of the build. Pick up 1 transparent-dark pink 1x2 plate. Place it centered horizontally on top of the ppp.

60. Locate 2 transparent-clear 1x1 slope tiles. Take the first one and place it on top of the leftmost stud of the ppp, so that it slopes to the left. Place the second one to the right of the ppp, so that it slopes to the front. This micro-build is a reference to Dario's first Lego Ideas submission, a mini Sleeping Beauty Castle from Disneyland Paris.

Group 16 – Watermelon tourmaline

61.1 Let's make 2 identical small sub-builds, beginning with the first one. Find 1 transparent-clear 1x2 plate. Place it horizontally in front of you.

61.2 Pick up 1 transparent-clear 2x2 jumper plate. Place it on top of the ppp, so that it overhangs by 1 row to the front.

61.3 Rotate the sub-build upright, so that its antistuds are facing to the left and it overhangs downwards. Attach the overhang to the top row of the right-facing side studs.

61.4 Make a second identical sub-build and place it symmetrically on the left.

62.1 Let's make another 2 identical small sub-builds, beginning with the first one. Place 1 transparent-dark pink 1x2 plate horizontally in front of you. Locate 1 transparent-clear 1x2 plate. Place it centered horizontally on top of the ppp.

62.2 Find 1 transparent-clear 2x2 jumper. Place it on top of the ppp, so that it overhangs by 1 row to the front.

62.3 Rotate the sub-build upright, so that its antistuds are facing to the back and it overhangs downwards. Attach the overhang to the top row of the front-facing side studs.

62.4 Make a second identical sub-build and place it symmetrically on the back of the build.

63. Attach this build to the top of the tourmaline main build, so that one of the 1x1 slope tiles on the top slopes to the front and the other one slopes to the right.

64. Locate 4 transparent-clear 2x2 jumper plates. Take the first one and place it centered on the 3rd and 4th rows from the top of the front-facing side studs. Grab the remaining 3 and place them similarly on the right, back, and left faces of the tourmaline.

65. Locate 15 transparent-clear 1x2 grille tiles. Take the first 4 and place them vertically upright, one above the other, on the front-facing side studs, so that together they are centered vertically. Take the next 4 and repeat symmetrically on the back. Then, take the next 4 and place them vertically upright, one above the other, on the right-facing side studs, so together they are centered vertically. Finally, grab the last 3 and place them vertically upright, one above the other, on the left-facing side studs, so together they are centered vertically.

66. Rotate the tourmaline build 90 degrees counterclockwise on the horizontal plane, so that one of the 1x1 slope tiles on the top slopes to the back and the other one slopes to the left. Find 1 white 1x2 curved slope right wedge tile. Place it vertically upright on the front facing side stud so that it slopes upwards.

67. The watermelon tourmaline is complete! Attach it to the stud on the base in the interior of the shelf, under the pyrite. With this, this shelf unit is complete.

Book 2, bag 3:

Group 17 – Shelf unit

1. Place 1 reddish brown 1x12 plate horizontally in front of you. Locate 1 dark brown 1x4 plate. Place it horizontally on top of the ppp, so that it is centered horizontally.

2. Find 2 dark brown 1x1 plates. Place them to the left and right of the ppp. Pick up 2 dark brown 3x3 corner plates. Take the first one and rotate it so that its right angle faces the back left. Place its back row on top of the 3 leftmost studs of the 1x12 plate, so that it overhangs by 2 rows to the front. Take the second one and repeat symmetrically to the right.

3. Locate 2 reddish brown 1x6 plates. Take the first one and rotate it vertically. Place its 2 back rows under the overhang of the ppp. Take the second one and repeat symmetrically to the left.

4. Find 2 dark brown 1x10 plates. Take the first one and rotate it vertically. Place its 4 back rows on top of the ppp, so that it overhangs to the front by 6 rows. Take the second one and repeat symmetrically to the right.

5. Locate 2 reddish brown 1x2 plates. Take the first one and place it vertically under the 5th and 6th front rows of the ppp, to the front of the 1x6 plate. Take the second one and repeat symmetrically to the left.

6.1 Let's make the second half of the frame as a separate sub-build. Place 1 reddish brown 1x12 plate in front of you. Locate 1 dark brown 1x4 plate. Place it horizontally on top of the ppp, so that it is centered horizontally.

6.2 Find 2 dark brown 1x1 plates. Place them to the left and right of the ppp. Pick up 2 dark brown 3x3 corner plates. Take the first one and rotate it so that its right angle is in the front left. Place its front row on top of the 3 leftmost studs of the 1x12 plate, so that it overhangs to the back by 2 rows. Take the second one and repeat symmetrically to the right.

6.3 Locate 2 reddish brown 1x6 plates. Take the first one and rotate it vertically. Place its 2 front rows under the overhang of the ppp. Take the second one and repeat symmetrically to the left.

6.4 Place the 4 exposed back rows of the sub-build under the 4 overhanging rows on both sides of the frame. This should result in a 12x16 rectangular frame with no overhang in any direction.

Group 18 – Shelf unit

7. Find 2 reddish brown 1x12 plates. Take the first one and place it centered horizontally on the back row. Place the second one symmetrically to the front. Locate 4 reddish brown 1x4 plates with 2 studs. Take 2 and place them vertically, one behind the other, behind the leftmost column of the ppp. Take the remaining 2 and repeat symmetrically on the right side.

8. Locate 2 reddish brown 1x6 tiles. Place the first one vertically to the back of the ppp. Take the second one repeat symmetrically to the left. Find 2 reddish brown 1x1 slope tiles. Place them on the 6th row from the front on both leftmost and rightmost columns, so that they slope to the back.

9. Pick up 2 reddish brown 1x12 bricks. Take the first one and place it centered horizontally on the back row. Take the second one and repeat symmetrically on the front row.

10.1 Let's make 2 identical sub-builds, beginning with the first one. Locate 1 reddish brown 1x2x2 window panel. Place it horizontally in front of you, so that its ridge is to the front. Find 1 transparent-clear 1x2x2 glass. Attach it to the front of the window.

10.2 Pick up 1 reddish brown 1x2 brick with side stud. Place it centered horizontally under the window, so that its side stud is facing to the front.

10.3 Place the build centered horizontally on top of the back row, so that its side stud faces the front.

10.4 Build a second identical build. Place it centered horizontally on top of the front row, so that its side stud faces the front.

Group 19 – Shelf unit

11. Locate 4 reddish brown 1x4x3 window panels. Take the first 2 and place them horizontally to the left and right of the previously placed build. Make sure that the ridges are facing to the front. Take the remaining 2 and place them similarly on the back row, also making sure that the ridges are facing to the front. Find 4 transparent-clear 1x4x3 windows. Attach them to the front side of all 4 window panels, making sure that the windows are closed.

12. Locate 4 reddish brown 1x1x3 bricks. Place 1 on top of each of the 4 corners of the build.

13. Find 2 reddish brown 1x1x3 bricks. Place them on the 5th row from the front on both leftmost and rightmost columns, in front of the 1x1 slope tiles. Pick up 2 reddish brown 1x1 bricks. Place them on top of the ppps. Put the main build to the side for now.

Group 20 – Shelf unit

14. We will build the top part of the frame, starting with its first half. Place 1 reddish brown 1x12 plate horizontally in front of you. Locate 1 dark brown 1x4 plate. Place it horizontally on top of the ppp, so that it is centered horizontally.

15. Find 2 dark brown 1x1 plates. Place them to the left and right of the ppp. Pick up 2 dark brown 3x3 corner plates. Take the first one and rotate it so that its right angle faces the left back. Place its back row on top of the 3 leftmost studs of the 1x12 plate, so that it overhangs by 2 rows to the front. Take the second one and repeat symmetrically to the right.

16. Locate 2 reddish brown 1x6 plates. Take the first one and rotate it vertically. Place its 2 back rows under the overhang of the ppp. Take the second one and repeat symmetrically to the left.

17. Find 2 dark brown 1x10 plates. Take the first one and rotate it vertically. Place its 4 back rows on top of the ppp, so that it overhangs to the front by 6 rows. Take the second one and repeat symmetrically to the right.

18. Pick up 2 reddish brown 1x2 plates. Take the first one and place it vertically under the 5th and 6th rows from the front of the ppp, leaving it with an overhang to the front of 4 rows. Take the second one and repeat symmetrically to the left.

19.1 Let's make the second half of the frame as a separate sub-build. Place 1 reddish brown 1x12 plate horizontally in front of you. Locate 1 dark brown 1x4 plate. Place it horizontally on top of the ppp, so that it is centered horizontally.

19.2 Locate 2 dark brown 1x1 plates. Place them to the left and right of the ppp. Find 2 dark brown 3x3 corner plates. Take the first one and rotate it so that its right angle faces to the left back. Place its front row on top of the 3 leftmost studs of the 1x12 plate, so that it overhangs to the back by 2 rows. Take the second one and repeat symmetrically to the right.

19.3 Pick up 2 reddish brown 1x6 plates. Take the first one and rotate it vertically. Place its 2 front rows under the overhang of the ppp. Take the second one and repeat symmetrically to the left.

19.4 Place the 4 back rows of the sub-build under the 4 stud overhang to the front on both sides of the first half of the frame. This should result in a 12x16 rectangular frame with no overhang in any direction.

Group 21 – Shelf unit

20. Locate 2 reddish brown 1x2 tiles. Place them horizontally on top of the front and back rows, so that they are centered horizontally. Find 4 reddish brown 1x4 tiles. Place them horizontally to the left and right of the ppps. Pick up 2 reddish brown 1x2 tiles. Place them centered vertically on top of the leftmost and rightmost columns. Locate 4 reddish brown 1x6 tiles. Place them vertically in front and behind of the ppps. Locate 4 metallic gold 1x1 tiles. Place them on top of all 4 corners.

21. Take this frame and place it on top of the main build. This completes this shelf.

Group 22 – Fluorite

22. Place 1 dark turquoise 1x2 plate with 1x2 upright side studs vertically in front of you, so that its side studs are facing to the left.

23. Locate 1 medium azure 2x2 brick. Place its leftmost column centered on top of the ppp, so that it overhangs to the right by 1 column. Find 1 dark turquoise 1x2 plate with 1x2 upright side studs. Place it vertically under the overhang of the ppp, so that its side studs face to the right.

24. Pick up 2 bright green 1x2 plates with 1x2 side studs hanging down. Take the first one and place it vertically on top of the leftmost column, so that its side studs face to the left. Take the second one and repeat symmetrically to the right.

25. Locate 1 blue 2x2 plate. Place it upright on the right-facing side studs.

26. Find 2 green 1x1 short bricks with round side and side stud. Take the first one and place it on the front row of the leftmost column, so that its side stud faces to the front. Take the second one and repeat symmetrically to the back.

27. Pick up 1 bright pink 1x2 plate. Place it vertically on top of the ppps, so that it is centered vertically. Locate 1 blue 1x2 slope tile. Place it vertically on top of the ppp, so that it is centered vertically and it slopes to the left.

Group 23 – Fluorite

28. Locate 2 blue 1x1x1 2/3 bricks with side studs. Place the first one on the front row of the rightmost column, so that its side studs face to the front. Take the second one and repeat symmetrically to the back.

29. Find 2 dark turquoise 1x1 plates. Place the first one upright on the top row of the rightmost column of the front-facing studs. Take the second one and repeat symmetrically on the back. Pick up 2 green 1x2 plates. Place the first one vertically upright under the ppp. Take the second one and repeat symmetrically to the front.

30.1 Let's make a small sub-build. Place 1 transparent-purple 1x2 plate vertically in front of you. Locate 1 dark purple 1x1 round plate. Place it on top of the back row of the ppp.

30.2 Find 1 dark purple 1x1 round plate. Place it in front of the ppp. Place 1 transparent-purple 1x2 plate vertically on top, so that it is centered vertically.

30.3 Pick up 2 transparent-purple 1x1 slope tiles. Place the first one on the back row, so that it slopes to the back. Take the second one and repeat symmetrically to the front.

30.4 Place the sub-build vertically on top of the fluorite build, so that it is centered vertically.

31. Locate 1 green 1x2 plate. Place it horizontally upright on the bottom row of the left-facing side studs. Find 1 dark turquoise 1x2 plate with bar on long edge. Place it horizontally upright above the ppp, so that its bar is facing upwards.

32.1 Let's make a sub-build. Place 1 transparent-blue 1x2 brick vertically in front of you. Find 1 transparent-blue 2x2 sloped brick. Place it centered on top of the ppp, so that it slopes to the left and it overhangs to the right by 1 column.

32.2 Pick up 1 transparent-light blue 2x2 inverted slope brick. Place its leftmost column under the overhang of the ppp, so that it slopes to the right.

32.3 Locate 1 transparent-light blue 1x2 sloped brick. Place it centered vertically on the rightmost column of the ppp, so that it slopes to the back and it has no overhang.

32.4 Find 2 transparent-light blue 1x1 slope tiles. Place the first one on top of the ppp, so that it slopes to the right. Take the second one and repeat symmetrically to the left.

32.5 Flip the sub-build 90 degrees, so that its antistuds are facing to the right and the slope tiles of the previous step are on the left side and sloping upwards and downwards. Attach it to the 2x2 left-facing studs of the fluorite build.

33. Locate 1 transparent-light blue 1x2 curved slope tile. Rotate it vertically upright, so that its antistuds are facing to the back and it slopes upwards. Attach its bottom antistud to the top stud on the rightmost column of the front-facing side studs. Pick up 1 dark turquoise 1x1 plate. Place it upright below the ppp.

Group 24 – Fluorite

34.1 Let's make a sub-build. Place 1 green 1x3 plate horizontally in front of you. Locate 1 transparent-light blue 1x2 curved slope tile. Place it horizontally on top of the leftmost stud of the ppp, so that it slopes and overhangs by 1 column to the left.

34.2 Find 1 dark turquoise 1x1 plate. Place it to the right of the ppp.

34.3 Pick up 1 transparent-light blue 1x2 curved slope tile. Place it vertically on top of the ppp, so that it slopes to the front and it overhangs by 1 row to the back.

34.4 Locate 1 transparent-light blue 4x4 corner sloped wedge brick. Rotate it so that its studs resemble a J in Braille. Place its front right stud under the overhang of the ppp.

34.5 Rotate the sub-build upright by flipping it 90 degrees from back to front, so that its antistuds are facing to the back. Attach it upright to the fluorite build by making sure that the rightmost stud of the bottom row goes under the rightmost bottom stud of the front-facing studs.

35. Find 1 transparent-light blue 1x2 sloped brick. Place it vertically upright on the 1st and 2nd rows from the bottom of the rightmost columns of the front-facing studs, so that it slopes down. Pick up 1 transparent-light blue 1x2 curved slope tile. Rotate it horizontally upright, so that its antistuds are facing to the back and it slopes to the right. Place its rightmost antistud on top of the stud above the ppp.

36. Rotate the fluorite build 180 degrees on the horizontal plane, so that its 2x2 side studs are facing to the left. Locate 1 transparent-light blue 1x2 curved slope tile. Rotate it vertically upright, so that its antistuds are facing to the back and it slopes upwards. Attach its bottom antistud to the top stud on the leftmost column of the front-facing side studs. Find 1 dark turquoise 1x1 plate. Place it upright below the ppp.

37.1 Let's make a sub-build. Place 1 green 1x3 plate horizontally in front of you. Pick up 1 transparent-light blue 1x2 curved slope tile. Place it horizontally on top of the rightmost column of the ppp, so that it slopes and it overhangs by 1 column to the right.

37.2 Locate 1 dark turquoise 1x1 plate. Place it to the left of the ppp.

37.3 Find 1 transparent-light blue 1x2 curved slope. Place it vertically on top of the ppp, so that it slopes to the front and it overhangs by 1 row to the back.

37.4 Locate 1 transparent-light blue 4x4 corner sloped wedge brick. Rotate it so that its studs resemble an H in Braille. Place its front left stud by under the overhang of the ppp.

37.5 Rotate the sub-build upright by flipping it 90 degrees from back to front, so that its antistuds are facing to the back. Attach it to the fluorite build by making sure that the leftmost stud of the bottom row goes under the leftmost bottom stud of the front-facing studs.

38. Find 1 transparent-light blue 1x2 sloped brick. Place it vertically upright on the 1st and 2nd rows from the bottom of the leftmost front-facing studs, so that it slopes down. Pick up 1 transparent-light blue 1x2 curved slope tile. Rotate it horizontally upright, so that its antistuds are facing to the back and it slopes to the left. Place its leftmost antistud above the ppp.

Group 25 – Fluorite

39. Locate 2 green 1x2 plates with 1x2 side studs hanging down. Take the first one and rotate it vertically upright, so that its antistuds are facing to the right and its side studs are facing to the front. Attach it to the front-most column of the side studs on the left face. Take the second one and repeat symmetrically to the back.

40. Locate 2 transparent-light blue 2x2x2 wedge corner. Rotate one of them horizontally upright so that its antistuds are facing to the right and its flat faces are facing upwards and to the front. Place its front column on top of the ppp, so that it overhangs by 1 column to the back. Take the second one and repeat symmetrically to the front.

41.1 Let's make a sub-build. Place 1 transparent-purple 1x2 plate vertically in front of you. Find 1 transparent-light blue 1x2 curved slope tile. Place it vertically on the front row of the ppp, so that it slopes and overhangs to the front by 1 row.

41.2 Pick up a second transparent-light blue 1x2 curved slope tile. Repeat the previous placement symmetrically to the back.

41.3 Locate 1 transparent-light blue 4x4 corner sloped wedge brick. Rotate it so that its studs resemble a J in Braille. Place the 2 studs of its rightmost column under the 2 back antistuds of the sub-build, so that there is an overhang of 2 rows to the front.

41.4 Find 1 transparent-purple 1x1 slope tile. Place it on top of the only free stud, so that it slopes to the left.

41.5 Rotate the sub-build upright by flipping it 90 degrees from back to front, so that its antistuds are facing to the back. Attach the 2 rows that are overhanging to the bottom to the 1x2 leftmost column of front-facing side studs.

42.1 Let's make a second symmetrical sub-build. Place 1 transparent-purple 1x2 plate vertically in front of you. Locate 1 transparent-light blue 1x2 curved slope tile. Place it vertically on the back row of the ppp, so that it slopes and overhangs to the back by 1 row.

42.2 Find a second transparent-light blue 1x2 curved slope tile. Repeat the previous placement symmetrically to the front.

42.3 Pick up 1 transparent-light blue 4x4 corner sloped wedge brick. Rotate it so that its studs resemble a D in Braille. Place the 2 studs of its rightmost column under the 2 front rows of the sub-build, so that there is an overhang of 2 rows to the back.

42.4 Locate 1 transparent-purple 1x1 slope tile. Place it on top of the only free stud, so that it slopes to the left.

42.5 Rotate the sub-build upright by flipping it 90 degrees from front to back, so that its antistuds are facing to the front. Attach the 2 rows that are overhanging to the bottom to the 1x2 leftmost column of back-facing side studs.

43. Find 2 transparent-light blue 1x1 slope tiles. Place the first one upright on the front left-facing side stud, so that it slopes to the front. Take the second one and repeat symmetrically to the back. Put the fluorite build to the side for now.

Group 26 – Fluorite

44. Pick up 2 transparent-purple 1x2 plates. Place the first one horizontally in front of you. Take the second one and place it vertically under the leftmost column of the ppp, so that its front row is exposed to the front.

45. Locate 1 transparent-purple 1x2 plate. Place it symmetrically to the right of the ppp.

46. Find 1 blue 1x1 plate with vertical clip. Place it on top of the back row of the rightmost column, so that its clip faces to the right. Pick up 1 transparent-blue 1x1 plate. Place it to the left of the ppp.

47. Pick up 1 transparent-blue 1x2 brick. Place it vertically in front of the ppp, so that it overhangs by 1 stud to the front. Locate 1 transparent-purple 1x2 plate. Rotate it horizontally and place its leftmost stud under the overhang of the ppp.

48. Find 1 transparent-blue 1x2 brick. Place it vertically to the right of the other 1x2 brick. Pick up 1 transparent-purple 1x2 plate. Place it horizontally on top of the back row, so that it is centered horizontally.

49. Locate 1 transparent-purple 1x2 tile. Place it horizontally on top of the front row, so that it is centered horizontally. Place 1 transparent-purple 2x2 jumper behind the ppp.

50. Find 1 transparent-purple 1x1 slope tile. Place it on top of the ppp, so that it slopes to the front.

51. Rotate this sub-build vertically upright, so that its antistuds are facing to the back and the ppp slopes upwards. Then, rotate it approximately 45 degrees counterclockwise in the frontal plane, so that the clip is facing somewhere between to the left and downwards. Attach this clip to the bar on the top, right surface of the fluorite build. The fluorite build is done!

52. Bring back the shelving unit build. Rotate it 180 degrees on the horizontal plane. Flip it 90 degrees from back to front, so that it is standing. The top surface should have one stud facing upwards. Attach the fluorite build to this stud. Feel free to rotate it as you please.

Book 2, bag 4:

Group 27 – Tangerine quartz

53. Locate 2 light nougat 1x3 plates. Place one on top of the other and place them horizontally in front of you.

54. Find 1 yellow 1x1 brick with side studs on opposite sides. Place it on top of the middle stud, so that its side studs are facing to the front and to the back. Pick up 2 reddish brown 1x1 bricks with side studs on adjacent sides. Place the first one to the left of the ppp, so that its side studs face to the left and to the front. Take the second one and repeat symmetrically to the right.

55. Locate 1 pearl gold 1x1 tile with upright clip. Place it on top of the ppp, so that its clips hands are facing to the left and to the right. Find 1 transparent-orange 1x2x1 2/3 brick with studs on opposite sides. Place it horizontally to the left of the ppp, so that its side studs are facing to the front and to the back.

56. Pick up 1 medium nougat 1x3 slope brick. Rotate it vertically upright so that it slopes upwards. Attach its bottom row to the left-facing side stud.

Group 28 – Tangerine quartz

57. Locate 1 light nougat 1x3 plate. Rotate it vertically upright. Place its 2 top rows on the 2 bottom rows of the middle column of the front-facing side studs. Find 1 medium nougat 2x3 left wedge plate. Rotate it vertically upright so that it points upwards. Place it to the left of the ppp, so that it is flush with its top edge.

58. Let's make a small sub-build. Pick up 1 medium nougat 1x3 curved slope tile. Place it horizontally in front of you so that it slopes to the left. Locate 1 tan 1x1 short brick with round side and side stud. Place it under the rightmost column of the ppp, so that its side stud is facing to the right. Take the sub-build and rotate it horizontally upright, so that its antistuds are facing to the back and it slopes to the left. Attach its 2 leftmost antistuds to the 2 leftmost columns of the bottom row of the front-facing side studs. Locate 1 nougat 1x1 round plate. Place it upright on the bottom row of the middle column of the front-facing side studs.

59.1 Let's make a small sub-build. Find 1 tan 1x1 short brick with round side and side stud. Place it in front of you, so that its side stud is facing to the back. Pick up 1 nougat 1x1 round plate and place it on top of the ppp.

59.2 Locate 1 pearl gold 1x1 tile with upright clip. Place it on the back-facing side stud, so that its clip hands face up and down.

59.3 Find 1 medium nougat 2x3 right wedge tile. Rotate it so that it points to the left. Place the front antistud of the rightmost column on top of the 1x1 round plate on top. Rotate the sub-build upright 90 degrees from back to front, so that its antistuds are facing to the back. Attach it upright to the front-facing side studs, so that it is even with the 1x3 curved slope from the previous step.

60. Pick up 1 transparent-orange 1x1 slope tile. Place it upright on the leftmost column of the top row of front-facing side studs, so that it slopes to the left. Locate 1 medium nougat 1x1 slope tile. Place it upright to the right of the ppp, so that it slopes upwards.

Group 29 – Tangerine quartz

61. Rotate the quartz assembly 180 degrees on the horizontal plane, so that the pieces from the previous step are now on the back side of the build. Find 1 light nougat 1x3 plate. Rotate it vertically upright. Place its 2 top rows on the 2 bottom rows of the leftmost column of front-facing side studs. Pick up 1 medium nougat 2x3 right wedge plate. Rotate it vertically upright so that it points upwards. Place it to the right of the ppp, so that it is flush with its top edge.

62. Locate 1 medium nougat 2x3 left wedge plate. Rotate it vertically upright so that it points down. Place its leftmost column on top of the 1x3 plate from the previous step, so that it is flush with its left edge.

63.1 Let's make a small sub-build. Place 1 nougat 1x2 plate vertically in front of you. Find 1 medium nougat 1x2 curved sloped right wedge tile. Rotate it so that it is horizontal and it slopes to the left. Place its rightmost column on top of the back stud of the ppp, so that it overhangs to the left by 1 column.

63.2 Pick up 1 medium nougat 2x3 curved sloped left wedge tile. Rotate it so that it points to the left. Place it in front of the ppp, so that the points of the wedges come together. Rotate the sub-build upright 90 degrees front back to front, so that its antistuds are facing to the back. Attach its rightmost column to the 2 bottom rows of the leftmost column of the front-facing studs.

64. Locate 1 transparent-orange 1x1 slope tile. Place it upright on the rightmost column of the top row of the front-facing side studs, so that it slopes to the right. Find 1 transparent-orange 1x1 plate. Place it upright to the left of the ppp.

65. Locate 1 light nougat 1x2 curved slope tile. Rotate it vertically upright so that its antistuds are facing to the back and it slopes upwards. Attach its top row to the ppp.

Group 30 – Tangerine quartz

66. Rotate the quartz assembly 90 degrees counterclockwise on the horizontal plane, so that the piece from the previous step is now on the right side of the build. Find 1 medium nougat 1x1 plate with 1x1 upright side stud. Rotate it upright so that its antistud is facing to the back and its side stud is facing upwards. Attach it to the side stud in the middle of the front face of the build. Pick up 1 transparent-orange 1x1 plate. Place it on top of the top-facing side stud of the ppp. Locate 1 transparent-clear 1x1 pyramid and place it on top of the ppp.

67.1 Let's make a sub-build. Locate 1 medium nougat 2x3 right wedge plate. Place it vertically in front of you, so that it points to the front. Find 1 medium nougat 1x2 curved slope left wedge tile. Rotate it vertically so that it slopes to the back. Place its front row on top of the back stud of the ppp, so that it overhangs to the back by 1 row.

67.2 Pick up 1 light nougat 1x2 plate. Place it horizontally in front of the ppp, so that it overhangs to the right by 1 column.

67.3 Locate 1 medium nougat 1x1 slope tile. Place it in front of the ppp, so that it slopes to the front. Find 1 light nougat 1x1 round plate. Place it behind the ppp.

67.4 Find 1 light nougat 1x2 curved slope tile. Rotate it vertically so that it slopes to the front. Place its back row on top of the rightmost column, to the right of the ppp, so that it overhangs to the front by 1 row. Pick up 1 transparent-orange 1x1 plate. Place it under the overhanging front row of the ppp.

67.5 Rotate the sub-build upright, so that its antistuds are facing to the back, and the medium nougat 1x1 slope tile faces down. Attach it to the front-facing side studs of the quartz build, so that its bottom antistud of the leftmost column attaches to the leftmost side stud on the bottom row.

Group 31 – Tangerine quartz

68.1 Let's make another small sub-build. Locate 1 transparent-orange 1x2x1 2/3 brick with studs on opposite sides. Place it horizontally in front of you. Find 1 transparent-orange 1x1 slope tile. Place it upright on the leftmost column of the bottom row of the front-facing side studs, so that it slopes to the left.

68.2 Pick up 7 transparent-orange 1x1 slope tiles. Take the first one and place it symmetrically to the right of the ppp. Take the next 2 and place them symmetrically above the 2 ppps. Take the last 4 and place them symmetrically to the back.

68.3 Take the quartz main build and rotate it 90 degrees counterclockwise, so that the 1x3 slope brick is on the left. Take the sub-build and place it on top of the quartz main build so that there is no overhang.

69.1 Let's make another small sub-build. Locate 1 transparent-orange 1x2x1 2/3 brick with studs on opposite sides. Place it horizontally in front of you. Find 2 transparent-yellow 1x1 slope tiles. Place the first one upright on the top row of the leftmost column of the front-facing side studs, so that it slopes to the left. Take the second one and place it upright on the top row of the rightmost column of the back-facing side studs, so that it slopes to the right.

69.2 Pick up 6 transparent-orange 1x1 slope tiles. Place them upright on the remaining free side studs, making sure that the pieces placed on the left column slope to the left, while pieces placed on the right column slope to the right.

69.3 Take the sub-build and place it horizontally on top of the quartz main build, so that there is no overhang.

70. Put the quartz main build to the side for now. Locate 1 transparent-orange 1x2x1 2/3 brick with studs on opposite sides. Place it horizontally in front of you. Find 1 transparent-yellow 1x1 slope tile. Place it upright on the bottom row of the leftmost column of the front-facing side studs, so that it slopes to the left.

71. Locate 3 transparent-yellow 1x1 slope tiles. Place the first one symmetrically to the right of the ppp. Take the remaining 2 and repeat symmetrically on the back-facing side studs.

72. Find 4 transparent-clear 1x1 slope tiles. Place them upright on the remaining free side studs, making sure that the pieces placed on the left column slope to the left, while pieces placed on the right column slope to the right.

73. Pick up 2 transparent-clear 1x2 triple slopes. Place the first one centered vertically on top of the leftmost column, so that its flat face is to the right. Take the second one and repeat symmetrically to the right.

74. Bring back the quartz main build. Place the small build horizontally on top of it, so that there is no overhang.

Group 32 – Tangerine quartz

75.1 Let's make a small sub-build. Locate 2 transparent-orange 1x1 bricks. Place one on top of the other. Find 1 transparent-orange 1x1 plate. Place it on top of the sub-build.

75.2 Place 1 transparent-clear 1x1 plate on top of the ppp. Pick up 1 transparent-clear pyramid. Place it on top of the ppp.

75.3 Locate 1 pearl gold 1x1 round plate with handle underneath. Place it under the sub-build, so that the handle is oriented horizontally.

75.4 Attach the handle at the bottom of the sub-build to the clip in front on the right side of the quartz build. Angle the sub-build slightly forward.

76.1 Let's make a small sub-build. Place 1 transparent-orange 1x1 brick in front of you. Find 1 transparent-clear 1x1 plate. Place it on top of the ppp. Pick up 1 transparent-clear pyramid. Place it on top of the ppp.

76.2 Locate 1 pearl gold 1x1 round plate with handle underneath. Place it under the sub-build, so that the handle is oriented vertically.

76.3 Attach the handle at the bottom of the sub-build to the clip in the back on the right side of the quartz build. Angle the sub-build slightly to the right.

77. The tangerine quartz is complete! Bring back the shelving unit build. Attach it to the stud on the base in the interior of the shelf, under the fluorite. Feel free to rotate it as you please. With that, this shelf unit is complete.

Book 3, bag 5:

Group 33 – Shelf unit

1. Place 1 reddish brown 1x12 plate in front of you. Locate 1 dark brown 1x4 plate. Place it centered horizontally on top of the ppp, so that it is centered horizontally.

2. Find 2 dark brown 1x1 plates. Place them to the left and right of the ppp. Locate 2 dark brown 3x3 corner plates. Take the first one and rotate it so that its right angle faces the back left. Place its back row on top of the 3 leftmost studs of the 1x12 plate, so that it overhangs to the front by 2 rows. Take the second one and repeat symmetrically to the right.

3. Pick up 2 reddish brown 1x12 plates. Take the first one and rotate it vertically. Place its 2 back rows under the overhang of the ppp. Take the second one and repeat symmetrically to the left.

4. Locate 2 dark brown 1x8 plates. Place the first one vertically on the 3rd through 10th rows from the front of the ppp. Take the second one and repeat symmetrically to the right.

5.1 Let's make the second half of the frame as a separate sub-build. Place 1 reddish brown 1x12 plate horizontally in front of you. Find 1 dark brown 1x4 plate. Place it horizontally on top of the ppp, so that it is centered horizontally.

5.2 Pick up 2 dark brown 1x1 plates. Place them to the left and right of the ppp. Locate 2 dark brown 3x3 corner plates. Take the first one and rotate it so that its right angle is in the front left. Place its front row on top of the 3 leftmost studs of the 1x12 plate, so that it overhangs to the back by 2 rows. Take the second one and repeat symmetrically to the right.

5.3 Attach the 2 overhanging rows of the left and right columns to the 2 exposed front rows of the first half of the frame. This should result in a 12x14 rectangular frame with no overhang in any direction. Notice that this shelf is smaller than the other 2 that you built earlier (which had a 12x16 footprint).

Group 34 – Shelf unit

6. Locate 4 reddish brown 1x6 tiles. Take the first 2 and place them horizontally on the back row, one next to the other, so that there is no overhang. Take the remaining 2 and repeat symmetrically on the front row.

7. Find 2 reddish brown 1x12 plates. Place the first one vertically on the leftmost column, so that it is centered vertically. Take the second one and repeat symmetrically to the right.

8.1 Let's make 2 identical builds. Pick up 1 reddish brown 1x2x2 window panel. Place it horizontally in front of you, so that its ridge is to the front. Locate 2 reddish brown 1x2 plates. Stack them and place them horizontally on top of the ppp, so that they are centered horizontally.

8.2 Find 1 reddish brown 1x2 brick with side stud. Place it centered horizontally on top of the build, so that its side stud is facing to the front. Pick up 1 reddish brown 1x2 plate. Place it centered horizontally on top of the ppp.

8.3 Locate 1 reddish brown 1x2x2 window panel. Place it horizontally on top of the build, so that its ridge is to the front.

8.4 Find 2 transparent-clear 1x2x2 window glasses. Attach them to the front of the window panels. Build a second identical build. Now you have 2 of them.

8.5 Rotate the frame 90 degrees in the horizontal plane, so that the tiled edges are to the left and right and the studded edges are to the back and front. Place the first build horizontally on the back row, so that it is centered horizontally. Take the second build and place it horizontally on the front row, so that it is centered horizontally. The side stud of both builds should face to the front.

9. Locate 4 reddish brown 1x4x6 door frames. Place them horizontally to the left and right of the builds on the front and back rows, so that their ridges are facing to the front. Find 4 transparent-clear 1x4x6 window glasses. Attach them to the front face of the door frames.

10. Pick up 4 reddish brown 1x1 bricks. Place them on the free studs to the left and right of the door frames. Locate 4 reddish brown 1x1x5 bricks. Place them on top of the ppps. Put the frame to the side for now.

Group 35 – Shelf unit

11. Place 1 reddish brown 1x12 plate horizontally in front of you. Locate 1 dark brown 1x4 plate. Place it centered horizontally on top of the ppp, so that it is centered horizontally.

12. Find 2 dark brown 1x1 plates. Place them to the left and right of the ppp. Pick up 2 dark brown 3x3 corner plates. Take the first one and rotate it so that its right angle faces the back left. Place its back row on top of the 3 leftmost columns of the 1x12 plate, so that it overhangs to the front by 2 rows. Take the second one and repeat symmetrically to the right.

13. Locate 2 reddish brown 1x12 plates. Take the first one and rotate it vertically. Place its 2 back rows under the overhang of the ppp. Take the second one and repeat symmetrically to the left.

14. Find 2 dark brown 1x8 plates. Place the first one vertically on the 3rd through 10th rows from the front of the ppp. Take the second one and repeat symmetrically to the right.

15.1 Let's make the second half of the frame as a separate sub-build. Place 1 reddish brown 1x12 plate horizontally in front of you. Locate 1 dark brown 1x4 plate. Place it horizontally on top of the ppp, so that it is centered horizontally.

15.2 Find 2 dark brown 1x1 plates. Place them to the left and right of the ppp. Locate 2 dark brown 3x3 corner plates. Take the first one and rotate it so that its right angle is in the front left. Place its front row on top of the 3 leftmost columns of the 1x12 plate, so that it overhangs to the back by 2 rows. Take the second one and repeat symmetrically to the right.

15.3 Attach the 2 overhanging rows on both sides to the 2 exposed front rows of the first half of the frame. This should result in a 12x14 rectangular frame with no overhang in any direction.

Group 36 – Shelf unit

16. Locate 2 reddish brown 1x2 tiles. Place them horizontally on top of the front and back rows, so that they are centered horizontally. Find 4 reddish brown 1x4 tiles. Place them horizontally to the left and right of each of the ppps. Pick up 4 reddish brown 1x6 tiles. Take the first 2 and place them vertically on the leftmost column, one in front of the other, so that together they are centered vertically. Take the last 2 and repeat symmetrically on the right. Locate 4 metallic gold 1x1 tiles. Place them on top of all 4 corners.

17. Rotate this frame 90 degrees on the horizontal plane. Place it horizontally on top of the rest of the shelf build, so that it is centered horizontally. It should overhang by 1 column to the left and 1 column to the right. Rotate the shelf 180 degrees on the horizontal plane. Then, stand it up by rotating it 90 degrees from back to front, so that both levels have a stud facing upwards, where the two remaining minerals will be attached. Put the frame build to the side for now.

Book 3, bag 6:

Group 37 – Rhodochrosite

18. Let's begin building the rhodochrosite! Place 1 dark bluish gray 2x6 plate vertically in front of you. Locate 1 black 2x2 round plate. Place it on the 2 back rows of the ppp.

19. Find another black 2x2 round plate. Place it symmetrically to the front. Pick up 1 blue 1x6 plate. Place it horizontally to the back of the ppp, so that it is centered horizontally. It should overhang to the left and to the right by 2 columns. Locate 2 white 1x2 rounded plates with hollow studs. Place the first one behind the 2nd and 3rd column from the left of the ppp, so that it overhangs to the left by 1 column. Take the second one and repeat symmetrically to the right.

20. Find 2 dark bluish gray 3x6 trapezoid plate with cut corners. Take the first one and rotate it so that its straight edge faces to the right. Place it to the left of the 2x6 plate, so that it goes under the overhanging plates. Take the second one and repeat symmetrically to the right.

Group 38 – Rhodochrosite

21. Pick up 1 black 2x3 left wedge plate. Rotate it horizontally so that it points to the right. Place its leftmost column to the right of the front row of the 2x2 round plate at the back. Locate 1 black 2x3 right wedge plate. Repeat symmetrically to the left. Find 2 black 1x2 rounded plates with hollow studs. Place the first one vertically in front of the leftmost column of the ppp. Take the second one and repeat symmetrically to the right.

22. Pick up 2 black 1x2 rounded plates with hollow studs. Take the first one and rotate it horizontally. Place its rightmost column in front of the ppp, so that it overhangs to the right by 1 column. Take the second one and repeat symmetrically to the left. Locate 2 reddish brown 1x1 round tiles with upright bar and hole. Place the first one to the right of the ppp. Take the second one and repeat symmetrically to the right. Locate 1 black 1x2 right wedge tile. Rotate it horizontally so that it points to the right. Place its leftmost column in front of the ppp. Find 1 black 1x2 left wedge tile. Place it symmetrically to the left.

23. Locate 4 reddish brown 1x1 round tiles with upright bar and hole. Place them upside down, one to the right of the other, on the 3rd through 6th columns from the left of the 3rd row from the back. Their upright bars should attach to the hollow studs, so that their antistuds face up.

24. Find 2 black 1x2 rounded plates with hollow studs. Place the first one vertically and upside down on the 2 front rows of the 3rd column from the left. Its back row should attach to a tile with an upright bar. Take the second one and repeat symmetrically to the right. Pick up 1 black 1x1 round plate. Place it to the left of the front row of the ppp. Locate 1 dark bluish gray 2x2 corner plate. Rotate it so that it resembles an F in Braille. Place it on the free space of the same shape between the upside-down 1x2 rounded plates with hollow studs, which is located on the 2 front rows and 2 center columns.

25. Locate 1 transparent-clear 1x1 slope tile. Place it on top of the front row of the ppp, so that it slopes to the front. Find 1 transparent-clear 1x1 round slope with hollow stud. Place it upside down to the left of the ppp. Pick up 1 black 1x2 hinge base brick. Place it horizontally on the 2nd row from the front, so that it is centered horizontally and its flat edge is facing to the back. Its leftmost column should be behind the 1x1 slope tile. Locate 1 transparent-clear 1x1 round plate with hollow stud. Place it upside down to the right of the ppp. Put the rhodochrosite build to the side for now.

Group 39 – Rhodochrosite

26. Let's make a sub-build that we will later attach to the rhodochrosite. Place 1 black 2x4 plate horizontally in front of you. Find 1 dark bluish gray 2x2 corner plate. Rotate it so that it resembles a D in Braille. Place it centered on top of the ppp.

27. Pick up 1 transparent-red 1x1 tile. Place it on the 2nd column from the left of the front row.

28. Locate 1 black 1x2 hinge base brick. Place it horizontally to the left of the ppp, so that it overhangs to the left by 1 column and its flat edge is facing to the back. Find 1 black 2x2 round plate. Place it on the rightmost column, so that it overhangs to the right by 1 column.

29. Pick up 1 black 2x3 left wedge plate. Rotate it horizontally so that it points to the right. Place its leftmost column under the overhang of the ppp. Locate 1 black 2x3 right wedge plate and repeat symmetrically on the left.

30. Locate 3 black 1x2 rounded plates with hollow studs. Place the first one horizontally on the 2 leftmost columns of the front row. Repeat symmetrically on the right. Take the last one and rotate it horizontally. Place its rightmost column on top of the leftmost column of the back row, so its left column rests on the wedge plate.

31. Find 1 transparent-clear 1x1 round plate with hollow stud. Place it on the 2nd column from the right of the front row. Pick up 1 transparent-clear 1x1 slope tile. Place it to the left of the ppp, so that it slopes to the left. Locate 1 black 1x2 slope tile. Vertically place its front row to the left of the ppp, so that it slopes to the right. Find 1 black 1x2 hinge base brick. Place it vertically to the left of the ppp, so that its flat edge is facing to the left.

32. Pick up 1 black 1x2 plate with stud and slope tile. Place it horizontally to the left of the back row of the ppp, so that it slopes to the left. Locate 1 black 1x1 round plate. Place it on top of the stud of the ppp. Find 1 transparent-clear 1x1 slope tile. Place it on top of the ppp, so that it slopes to the back. Pick up 1 transparent-clear 1x1 round plate with hollow stud. Place it on the front row on the 2nd column from the left.

33. We are done with the sub-build. Bring back the rhodochrosite main build and place it horizontally in front of you. Attach the 2 front rows of the sub-build to the 2 back rows of the main build, so that it is centered horizontally and it overhangs to the left and right by 1 column. Put the rhodochrosite build to the side for now.

Group 40 – Rhodochrosite

34. Let's make a sub-build that we will later attach to the rhodochrosite. Place 1 black 2x8 plate horizontally and upside-down in front of you. Locate 1 black 1x2 rounded plate with hollow studs. Place it vertically and upside down on the leftmost column of the ppp, so that it is centered vertically.

35. Place 1 transparent-clear 1x1 round plate with hollow stud upside down on top of the front right corner. Find 1 black 1x2 rounded plate with hollow studs. Rotate it vertically and upside-down and place its front row to the left of the ppp. Pick up 1 dark bluish gray 2x2 tile with 2 studs. Place it upside down to the left of the ppp. The orientation of its studs is not important.

36.1 Flip the sub-build horizontally right-side up. Let's make 1 small sub-build. Place 1 dark bluish gray 2x2 tile with studs on edge in front of you, so that its studs are on the left column. Vertically place 1 black 1x2 slope tile on the ppp, so that it slopes to the left.

36.2 Place 1 black 1x1 round plate under the front left corner.

36.3 Attach the rightmost column of the sub-build to the leftmost column of the 2x8 plate.

36.4 Let's make a symmetrical sub-build. Place 1 dark bluish gray 2x2 tile with studs on edge in front of you, so that its studs are on the right column. Vertically place 1 black 1x2 slope tile on the ppp, so that it slopes to the right.

36.5 Place 1 transparent-clear 1x1 round plate with hollow stud under the front right corner.

36.6 Attach the leftmost column of the sub-build to the rightmost column of the 2x8 plate.

37. Flip the build upside-down. Bring back the rhodochrosite main build so that it is horizontally in front of you. Place the sub-build centered horizontally on top of the 3rd and 4th rows from the front.

Group 41 – Rhodochrosite

38.1 Let's make a sub-build. Place 1 black 2x3 left wedge plate horizontally in front of you, so that it points to the left. Find 1 black 2x2 wedge plate with cut corner. Rotate it so that its studs resemble a D in Braille. Place its back row on top of the back row and on the 2 rightmost columns of the ppp.

38.2 Place 1 transparent-clear 1x1 slope tile on top of the leftmost column, so that it slopes to the left. Locate 1 transparent-clear 1x1 round plate with hollow stud. Place it on top of the back row on the rightmost column. Find 2 black 1x1 round plates. Place them to the left and in front of the 2x2 wedge plate with cut corner.

38.3 The sub-build is done. Place it horizontally so that its 2 rightmost columns of the back row are on top of the 2 left columns of the 2nd row from the front of the rhodochrosite main build.

39.1 Let's make a similar sub-build. Place 1 black 2x3 right wedge plate horizontally in front of you, so that it points to the right. Find 1 black 2x2 wedge plate with cut corner. Rotate it so that its studs resemble an F in Braille. Place its back row on top of the back row and on the 2 leftmost columns of the ppp.

39.2 Pick up 2 black 1x1 round plates. Place the first one on the rightmost column. Place the second one on the leftmost column of the front row. Place 1 black 1x2 rounded plate with hollow studs on the 2 leftmost columns of the back row.

39.3 The sub-build is done. Place it horizontally so that its 2 leftmost columns of the back row are on top of the 2 right columns of the 2nd row from the front of the rhodochrosite main build.

40.1 Let's make another sub-build. Place 1 black 1x3 rounded plate with hollow studs vertically upside-down in front of you.

40.2 Find 2 black 1x1 round plates. Flip them upside-down and place them on the front and back rows of the ppp.

40.3 The sub-build is done. Attach it vertically to the 2nd through 4th rows from the front of the 5th column from the left of the main build.

40.4 Pick up 1 black 1x2 rounded plate with hollow studs. Rotate it so that it is horizontal and upside-down. Place it to the right of the middle row of the sub-build from the previous step, on top of the 2x2 plate.

Group 42 – Rhodochrosite

41. Place 1 transparent-red 1x1 plate on the 2nd column from the right of the 2nd row from the front. Rotate it clockwise slightly, without going as far as making it look like a diamond. Locate 1 transparent-red 1x1 tile. Place it on top of the ppp. Find 1 black 2x2 plate with bar underneath. Attach its bar to the 1x2 hinge brick located on the 3rd and 4th columns from the left of the 2nd row from the back, so that it overhangs the base to the front. Tip it forward as far as it will go. Place 1 dark bluish gray 2x2 round tile with stud on top of the ppp.

42. Locate 4 transparent-clear 1x1 round plates with angled bar and hollow stud. Flip them upside down and attach their stud to the antistuds in the following locations: leftmost column of the 3rd row from the back; leftmost column of the 3rd row from the front; 2nd column from the left of the 3rd row from the front; 4th column from the left of the 2nd row from the front. Orient the bars to the left and to the front. There is no need to be very precise with this. Actually, randomness will contribute to a natural look of the mineral.

43. Locate 4 transparent-clear 1x1 round plates with angled bar and hollow stud. Flip them upside down and attach their stud to the antistuds in the following locations: 5th column from the right of the 3rd row from the back; 5th column from the right of the 3rd row from the front; 4th column from the right of the 2nd row from the front; 4th column from the right of the front row. Orient the bars slightly randomly to the right and to the front.

44. Locate 3 transparent-clear 1x1 round plates with angled bar and hollow stud. Flip them upside down and attach their stud to the antistuds in the following locations: 3rd column from the right of the 3rd row from the back; 2nd column from the right of the 3rd row from the back; rightmost column of the 3rd row from the front. Orient the handles slightly randomly to the right and to the front.

Group 43 – Rhodochrosite

45.1 Let's make a sub-build. Place 1 black 2x2 plate with bar underneath in front of you, so that the bar is to the left. Find 1 transparent-red 1x2 brick. Place it horizontally on the back row of the ppp, so that it is centered horizontally.

45.2 Place 1 transparent-red 1x2 brick horizontally in front of the ppp.

45.3 Locate 2 transparent-red 1x2 tiles. Place the first one vertically on top of the leftmost column, so that it is centered vertically. Take the second one and repeat symmetrically to the right.

45.4 The sub-build is ready. Attach its bottom-facing bar to the 1x2 hinge brick located on the 2 back rows of the 4th column from the right, so it overhangs the base to the right. Tip it to the right as far as it will go.

46.1 Let's make a similar sub-build. Place 1 black 2x2 plate with bar underneath in front of you, so that the bar is to the back. Locate 1 transparent-red 1x2 plate. Place it horizontally on the back row of the ppp, so that it is centered horizontally.

46.2 Place 1 transparent-red 1x2 plate horizontally in front of the ppp.

46.3 Find 2 transparent-red 1x2 plates. Place the first one vertically on top of the leftmost column, so that it is centered vertically. Take the second one and repeat symmetrically to the right.

46.4 Pick up 2 transparent-red 1x2 tiles. Place the first one horizontally on top of the back row, so that it is centered horizontally. Take the second one and repeat symmetrically to the front.

46.5 The sub-build is ready. Attach its bar to the 1x2 hinge brick located on the 5th and 6th columns from the left of the 2nd row from the front, so that it overhangs the base to the front. Tip it forward as much as possible.

46.6 Locate 1 coral 1x1 brick. Place it on top of the 2x2 round tile with stud located on the back left corner of the build. Rotate it slightly. Place 1 transparent-red 1x1 plate on top of the ppp. We will attach the next build to this point later. For now, put the rhodochrosite build to the side.

Group 44 – Rhodochrosite

47. Let's make a build. Place 1 transparent-red 1x2 plate vertically in front of you. Pick up 1 transparent-red 1x2 brick. Place it horizontally on the back row of the ppp, so that it overhangs to the left by 1 column.

48. Locate 1 transparent-red 1x2 plate. Rotate it so that it is horizontal. Place its rightmost column under the overhang of the ppp.

49. Find 2 transparent-red 1x2 bricks. Place the first one vertically on top of the ppp, so that it overhangs by 1 row to the front. Take the second one and place it vertically on the front row of the rightmost column, so that it overhangs to the front by 1 row.

50. Pick up 2 transparent-red 1x2 plates. Take the first one and rotate it horizontally. Place its rightmost column under the overhang of the ppp. Take the second one and place vertically under the overhang of the leftmost column, so that it is exposed to the front by 1 row.

51. Place 1 transparent-red 1x2 brick horizontally on top of the 2 leftmost columns of the front row. This should complete a 3x3 cube with an empty space in the middle.

52. Locate 4 transparent-red 1x2 tiles. Place the first one horizontally on top of the 2 leftmost columns of the back row. Take the second one and place it vertically in front of the left column of the ppp. Take the last 2 and place them horizontally, one in front of the other, to the right of the ppp. Find 1 transparent-red 1x1 tile. Place it on the last free stud, on the back right corner.

53. The build is complete. Attach its center antistud to the 1x1 brick with 1x1 plate on top of the 2x2 round jumper plate in the back left corner of the rhodochrosite build. Make sure that it attaches properly, but don't use too much force, or you run the risk of breaking the build.

54. The rhodochrosite is complete! Bring back the shelving unit build. Attach it to the stud on the base in the interior of the shelf. Feel free to rotate it as you please.

Book 3, bag 7:

Group 45 – Amethyst

55. Let's begin building the last mineral: the amethyst! Locate 4 white 1x1 short bricks and 4 yellow 1x1 bricks with side studs on opposite side. Place one on top of the other, beginning with a white 1x1 short, followed by 1 yellow 1x1 brick, and so on. The brick on top should be a 1x1 yellow brick with side studs on opposite sides. Make sure that all the side studs are facing to the front and to the back.

56. Place 1 medium nougat 1x1 round tile with animal paw print on a reddish brown background on top of the amethyst build. The orientation of the tile's print isn't relevant, since it will be covered in future steps.

57. Find 1 dark bluish gray 3x3 plate. Place it centered on top of the front-facing side studs, so that it is flush with the bottom edge of the brick at the bottom. Pick up 1 dark bluish gray 2x3 plate. Place it horizontally above the ppp, so that it is centered horizontally. Locate 1 dark bluish gray 3x3 plate. Place it above the ppp, so that it is centered horizontally. Flip the build 90 degrees from back to front, so that the 1x1 round tile with the paw print faces to the front.

58. Let's make a build. Find 2 blue 1x1x1 2/3 bricks with side studs. Place one on top of the other, so that their side studs are facing to the right. Place 1 tan 1x1x1 2/3 brick with side studs on top of the build, so that its side studs are facing to the front. Place 1 blue 1x1x1 2/3 brick with side studs on top of the build, so that its side studs are facing to the right. Flip the build 90 degrees from back to front. Attach it to the rightmost column of the amethyst build. This should leave 6 side studs exposed on the right side of the build.

59. Let's make another similar build. Pick up 2 blue 1x1x1 2/3 bricks with side studs. Place one on top of the other, so that their side studs are facing to the left. Place 1 tan 1x1x1 2/3 brick with side studs on top of the build, so that its side studs are facing to the front. Place 1 blue 1x1x1 2/3 brick with side studs on top of the build, so that its side studs are facing to the left. Flip the build 90 degrees from back to front. Attach it to the leftmost column of the amethyst build. This should leave 6 side studs exposed on the left side of the build.

Group 46 – Amethyst

60. Locate 2 medium lavender 2x3 plates. Place them horizontally, one in front of the other, on top of the amethyst build so that together they are centered horizontally and vertically. Find 2 bright pink 2x3 plates. Place the first one horizontally on the 2 back rows of the amethyst build, so that it is centered horizontally. Take the second one and repeat symmetrically to the front.

61. Locate 2 medium lavender 1x1 plates. Place them on the leftmost and rightmost columns of the front row. Find 1 transparent-clear 1x1 plate. Place it between both ppps, on the center column of the front row. Place transparent-dark pink 1x2 plate vertically behind the ppp.

62. Place 1 transparent-purple 1x2 tile vertically behind the ppp. Pick up 3 transparent-dark pink 1x2 plates. Place them vertically to the left, right, and behind of the ppp.

Group 47 – Amethyst

63. Locate 3 transparent-purple 1x1 slope tiles. Place them on the back row, one next to the other, so that the one on the left column slopes to the right, the one in the middle column slopes to the back, and the one on the right column slopes to the front.

64. Find 3 transparent-purple 1x1 slope tiles. Place them on the 2nd row from the back, one next to the other, so that the one on the left column slopes to the back, the one in the middle column slopes to the front, and the one on the right column slopes to the left.

65. Pick up 3 transparent-purple 1x1 slope tiles. Place them on the 3rd row from the back, one next to the other, so that the one on the left column slopes to the left, the one in the middle column slopes to the front, and the one on the right column slopes to the right.

66. Locate 4 transparent-purple 1x1 slope tiles. Place the first 2 on the 4th row from the back, so that the one on the left column slopes to the right, and the one on the right column slopes to the front. Take the last 2 and place them on the 4th row from the front, so that the one on the left column slopes to the back, and the one on the right column slopes to the left.

67. Find 3 transparent-purple 1x1 slope tiles. Place them on the 3rd row from the front, one next to the other, so that the one on the left column slopes to the left, the one in the middle column slopes to the back, and the one on the right column slopes to the right.

68. Pick up 3 transparent-purple 1x1 slope tiles. Place them on the 2nd row from the front, one next to the other, so that the one on the left column slopes to the right, the one in the middle column slopes to the front, and the one on the right column slopes to the left.

Group 48 – Amethyst

69. Locate 3 transparent-clear 1x1 slope tiles. Place them on the front row, one next to the other, so that the one on the left column slopes to the right, the one in the middle column slopes to the back, and the one on the right column slopes to the left. Put the amethyst main build to the side for now.

Group 49 – Amethyst

70. Let's make the base of the amethyst. Place 1 dark bluish gray 2x3 plate horizontally in front of you.

71. Find 1 dark bluish gray 3x3 plate. Place it centered on top of the ppp, so that it overhangs to the front by 1 row. Place 1 dark bluish gray 1x3 plate horizontally under the overhang of the ppp, so that it is centered horizontally.

72. Place 1 green 1x1 brick with side stud on the middle column of the back row, so that its side stud faces to the back. Pick up 2 red 1x1 bricks with 2 side studs on adjacent sides. Place the first one to the left of the ppp, so that its side studs are facing to the back and to the left. Take the second one and repeat symmetrically to the right.

73. Place 1 transparent-clear 1x2 plate vertically in front of the ppp. Pick up 1 dark bluish gray 2x2 wedge plate with cut corner. Place it to the left of the ppp, so that its angled side is facing to the right and to the back.

74. Place 1 transparent-purple 1x1 slope tile on the 2nd row from the front of the leftmost column, so that it slopes to the front. Then, place 1 transparent-dark pink 1x2 plate horizontally to the right of the ppp. Place 1 transparent-purple 1x2 tile horizontally on top of the ppp.

Group 50 – Amethyst

75. Place 1 transparent 1x1 plate on the middle column of the front row. Locate 3 transparent-clear 1x1 slope tiles. Place them on the front row, one next to the other, so that the one on the left column slopes to the left, the one in the middle column slopes to the back, and the one on the right column slopes to the right.

76. Bring back the amethyst main build. Rotate it 180 degrees in the horizontal plane. Stand the amethyst build upright by flipping it 90 degrees from back to front, so that its 1x1 round tile with white animal paw print is facing upwards and the surface with all the 1x1 slope tiles is facing to the front. Place it horizontally on top of the back row of the amethyst base build, so that it is centered horizontally.

Group 51 – Amethyst

77. Find 2 dark bluish gray 1x2 plates with stud and slope tile. Take the first one and rotate it vertically, so that it slopes to the front. Place its back row on top of the leftmost column on the top. Take the second one and repeat symmetrically to the right.

78. Place 1 dark bluish gray 1x3 plate horizontally on the back row, so that it is centered horizontally. Then, place 1 dark bluish gray 1x1 slope tile on the leftmost column of the back row, so that it slopes to the left. Place 1 light bluish gray 1x1 round plate on the rightmost column of the back row.

79. Let's make a small sub-build. Place 1 dark bluish gray 1x2 curved slope tile vertically in front of you, so that it slopes to the front. Then, place 1 transparent-clear 1x1 plate under the front row of the ppp. Attach the back row of the sub-build to the middle column of the back row of the amethyst build.

Group 52 – Amethyst

80. Rotate the amethyst build 180 degrees on the horizontal plane. Flip the build 90 degrees from front to back, so that sub-build of the previous step is to the back. Locate 1 dark bluish gray 1x3 curved slope tile. Rotate it so that it is vertical and sloping to the front. Place its back row on top of the 2nd row from the front of the leftmost column. Place 1 dark bluish gray 2x3 curved slope tile to the right of the ppp, so it slopes to the front.

81. Find 1 dark bluish gray 1x2 curved slope tile. Rotate it so that it is vertical and sloping to the back. Place its front row on top of the back row of the rightmost column. Place 1 dark bluish gray 2x2 curved slope tile to the left of the ppp, so that it slopes to the back.

82. Place 1 dark bluish gray 1x1 quarter round tile in front of the leftmost column of the ppp, so that its curved edge faces to the right and to the back. Pick up 1 light bluish gray 1x1 round plate. Place it symmetrically to the right, so that there is one free stud in between. Locate 4 dark bluish gray 1x2 slope tiles. Place the first 2 vertically in front of the ppp, one in front of the other, so that they slope to the left. Take the remaining 2 and repeat symmetrically to the left. Find 1 dark bluish gray 1x1 slope tile. Place it on the middle column of the 4th row from the front, so that it slopes to the back. Put the amethyst build to the side for now.

Group 53 – Amethyst

83. Let's make a series of builds that we will attach to one of the sides of the amethyst. Place 1 dark bluish gray 2x2 inverted tile in front of you. Then, place 1 transparent-clear 1x1 plate on the leftmost column of the front row of the ppp.

84. Place 1 transparent-clear 1x2 plate horizontally to the right of the ppp, so that it overhangs to the right by 1 column. Locate 1 dark bluish gray 2x2 inverted tile. Place its front left corner under the overhanging right column of the ppp.

85. Place 1 transparent-clear 1x2 plate horizontally on the rightmost column of the front row, to the right of the other 1x2 plate, so that it overhangs to the right by 1 column. Find 1 dark bluish gray 2x2 inverted tile. Place its front left corner under the overhanging right column of the ppp.

86. Place 1 transparent-clear 1x2 plate horizontally on the rightmost column of the front row, to the right of the other 1x2 plate, so that it overhangs to the right by 1 column.

87. Place 1 bright pink 1x8 plate horizontally on the back row, so that it is centered horizontally and it overhangs to the left and to the right by 1 column.

Group 54 – Amethyst

88. Pick up 1 dark bluish gray 1x1 plate. Place it on the rightmost column of the back row. Locate 1 transparent-clear 1x2 plate. Rotate it vertically and place its back row to the left of the ppp. Place 1 transparent-dark pink 1x2 plate horizontally to the left of the back row of the ppp. Find 1 transparent-clear 1x2 plate. Rotate it vertically and place its back row to the left of the ppp. Pick up 2 medium lavender 1x1 plates with vertical clip. Place them to the left of the ppp, one next to the other, so that their clips are facing to the back.

89. Locate 5 transparent-clear 1x1 slope tiles. Place them on the front row as follows: on the rightmost column, sloping to the back; on the 3rd column from the right, sloping to the back; on the 4th column from the right, sloping to the right; on the 6th column from the right, sloping to the left; and on the 7th column from the right, sloping to the back.

90.1 Let's make a sub-build. Place 1 dark bluish gray 1x2 inverted curved slope tile with 1x2 plate in front of you so that it slopes to the left and the 1x2 plate is the rightmost column of the piece. Then, place 1 dark bluish gray 1x2 plate vertically on top of the leftmost column of the ppp, so that it is centered vertically. Place 1 dark bluish gray 1x2 tile vertically on top of the ppp, so that it is centered vertically.

90.2 Place 1 dark bluish gray 1x1 plate on the front row of the rightmost column (made of the 1x2 plate) of the sub-build.

90.3 The sub-build is done. Place its rightmost, back corner under the overhanging column on the left side of the build.

91. Place 1 transparent-clear 1x2 plate vertically on the 2nd column from the left, so that it is centered vertically.

92. Find 2 transparent-purple 1x4 tiles. Place them horizontally on the back row, one next to the other, so that there is no overhang.

93. Place 1 transparent-clear 1x1 tile on top of the second column from the left of the front row. Pick up 2 transparent-clear 1x1 slope tiles. Place the first one on the 5th column from the left of the front row, so that it slopes to the right. Take the second one and place it on the 2nd column from the right of the front row, so that it slopes to the right.

94. Place 1 black 1x2 rounded brick with open center bars horizontally in front of you. Then, place 1 dark bluish gray 1x2 plate horizontally on top of the ppp. Flip the 1x2 round brick upside down. Attach its center bars to the clips facing to the back of the build.

95. Rotate the build upright by flipping it 90 degrees from back to front. Then, rotate the build 180 degrees on the horizontal plane, so that the 1x2 rounded brick with open center bars is on the top and its antistuds face to the back. Bring back the amethyst. Rotate it 90 degrees counterclockwise on the horizontal plane. Attach the back-facing 1x2 antistuds of the build to the 2nd and 3rd columns from the right of the front-facing side studs of the amethyst build.

Group 55 – Amethyst

96.1 Let's continue with another build. Place 1 dark bluish gray 2x2 wedge plate with cut corner in front of you, so that its angled side faces to the left and to the back. Then, place 1 dark bluish gray 1x2 slope brick vertically on top of the rightmost column of the ppp, so that it is centered vertically and it slopes to the back.

96.2 Locate 1 dark bluish gray 2x6 sloped right wedge brick. Rotate it horizontally so that it points to the left. Place it to the left of the ppp, so that there are 3 studs on the front row.

96.3 Place 1 dark bluish gray 2x3 plate horizontally under the overhang of the ppp, to the left of the 2x2 wedge plate with cut corner.

96.4 Locate 1 dark bluish gray 2x4 trapezoid plate. Rotate it so that its short side points to the left. Place it vertically under the 2 overhanging leftmost columns, so its short side is on the left and it has 1 row of studs exposed to the front.

96.5 Place 1 light bluish gray 1x1 round plate on the 2nd column from the left of the front row.

96.6 Rotate the build horizontally upright, so that its antistuds face to the back. Attach it to the front-facing side studs of the amethyst build, so that the stud of the 1x2 slope brick is to the left of the 1x2 plate located on the 2nd and 3rd columns from the right of the front-facing studs.

Group 56 – Amethyst

97.1 Let's make another small build. Place 1 dark bluish gray 2x2 corner plate in front of you, so that it resembles an H in Braille. Then, place 1 dark bluish gray 1x1 quarter round tile on the back row of the ppp, so that its curve faces to the back left. Place 1 light bluish gray 1x1 round plate in front of the ppp.

97.2 Locate 2 dark bluish gray 1x2 plates with stud and slope tile. Take the first one and rotate it vertically, so that it slopes to the front. Place its back row underneath the leftmost column of the front row of the build. Take the second one and repeat symmetrically to the right.

97.3 Bring back the amethyst. Place the small build on top of the black 1x2 round brick with open center bars facing to the front, so that the overhanging row to the back of the build attaches to the free stud to the left of the 1x3 curved slope tile.

98. Let's make another small build. Place 1 dark bluish gray 2x2 wedge plate with cut corner in front of you, so that its angled part faces the back right. Then, place 1 dark bluish gray 2x2 corner slope brick on top of the ppp, so that its angles align with the wedge plate. Rotate the build upright, so that its antistuds are facing to the back and its angled faces face to the right and upwards. Bring back the amethyst. Attach the bottom row of the leftmost column of the small build to the rightmost front-facing side stud of the amethyst build.

99.1 Let's make another small build. Place 1 dark bluish gray 2x2 wedge plate with cut corner in front of you, so that its angled side faces to the right back. Find 1 dark bluish gray 2x2 curved slope tile. Rotate it so that it slopes to the front. Place its back row on the front row of the ppp, so that it overhangs to the front by 1 row.

99.2 Pick up 1 dark bluish gray 1x2 left wedge tile. Rotate it horizontally so that it points to the right. Place its leftmost column on top of the back row of the build.

99.3 Rotate the small build vertically upright, so that its antistuds are facing to the back and it slopes downwards. Bring back the amethyst. Attach the small build's top row to the 2nd front-facing side stud from the right of the amethyst build.

100. Let's make another small build. Place 1 dark bluish gray 3x3 wedge plate with cut corner in front of you, so that its angled side faces to the front left. Then, place 1 dark bluish gray 1x1 quarter round tile on the rightmost column of the back row, so that its curved edge is facing to the left back. Place 1 light bluish gray 1x1 round plate in front of the ppp.

Rotate the small build upright, so that its antistuds are facing to the back and the angled side is facing to the left and downwards. Bring back the amethyst build. Attach the top row of the small build to the 3rd through 5th columns from the right of the front-facing side studs of the amethyst build, to the left of the 1x2 left wedge tile of the previous build. Locate 1 dark bluish gray 1x1 quarter round tile. Place it upright to the left of the top row of the small build, so that its curved edge is facing to the left and downwards.

101. Find 1 dark bluish gray 2x3 curved sloped left wedge tile. Rotate it horizontally upright, so that its antistuds are facing to the back and it points to the left. Attach its 2 leftmost columns of the top row to the 2 leftmost front-facing side studs. Put the amethyst to the side for now.

Group 57 – Amethyst

102. Let's make a similar series of builds that we will attach to the opposite side of the amethyst. Place 1 dark bluish gray 2x2 inverted tile in front of you. Then, place 1 transparent-clear 1x1 plate on the rightmost column of the front row of the ppp.

103. Place 1 transparent-clear 1x2 plate horizontally to the left of the ppp, so that it overhangs to the left by 1 column. Locate 1 dark bluish gray 2x2 inverted tile. Place its front right corner under the overhanging left column of the ppp.

104. Place 1 transparent-clear 1x2 plate horizontally on the leftmost column of the front row, to the left of the other 1x2 plate, so that it overhangs to the left by 1 column. Find 1 dark bluish gray 2x2 inverted tile. Place its front right corner under the overhanging left column of the ppp.

105. Place 1 transparent-clear 1x2 plate horizontally on the leftmost column of the front row, to the left of the other 1x2 plate, so that it overhangs to the left by 1 column.

106. Pick up 1 bright pink 1x8 plate. Place it horizontally on the back row, so that it is centered horizontally and it overhangs to the left and to the right by 1 column.

Group 58 – Amethyst

107. Locate 2 transparent-clear 1x2 plates. Place the first one horizontally on the 2 leftmost columns of the back row. Take the second one and place it horizontally to the right of the ppp. Find 1 transparent-clear 1x2 plate. Rotate it vertically and place its back row to the right of the ppp. Pick up 2 medium lavender 1x1 plates with vertical clip. Place them to the right of the ppp, one next to the other, so that their clips are facing to the back.

108.1 Let's make a sub-build. Place 1 dark bluish gray 1x2 inverted curved slope tile with 1x2 plate in front of you, so that it slopes to the right and the 1x2 plate is the leftmost column of the piece. Then, place 1 dark bluish gray 1x2 plate vertically on top of the rightmost column of the ppp. Place 1 dark bluish gray 1x2 tile on top of the ppp.

108.2 Place 1 dark bluish gray 1x1 plate on the front row of the leftmost column (made of the 1x2 plate) of the sub-build.

108.3 The sub-build is done. Place its leftmost, back corner under the overhanging column on the right side of the build.

109. Place 1 transparent-clear 1x2 plate vertically on the 2nd column from the right, so that it is centered vertically.

110. Locate 2 transparent-purple 1x4 tiles. Place them horizontally on the back row, one next to the other, so that there is no overhang.

111. Find 6 transparent-clear 1x1 slope tiles. Place them on the front row as follows: on the leftmost column, sloping to the back; on the 2nd column from the left, sloping to the left; on the 3rd column from the left, sloping to the right; on the 4th column from the left, sloping to the left; on the 6th column from the left, sloping to the left; and on the 7th column from the left, sloping to the front.

112. Place 1 transparent-clear 1x1 tile on the second column from the right of the front row. Then, place 1 transparent-clear 1x1 slope tile on the 5th column from the right of the front row, so that it slopes to the right.

113. Place 1 black 1x2 rounded brick with open center bars horizontally in front of you. Then, place 1 dark bluish gray 1x2 plate horizontally on top of the ppp. Flip the 1x2 round brick upside down. Attach its center bars to the clips facing to the back of the build.

114. Rotate the build upright by flipping it 90 degrees from back to front. Then, rotate the build 180 degrees on the horizontal plane, so that the antistuds of the 1x2 rounded brick with open center bars face to the back. Bring back the amethyst build. Rotate it 180 degrees on the horizontal plane. Attach the back-facing 1x2 antistuds of the build to the 2nd and 3rd columns from the left of the front-facing side studs of the amethyst build.

Group 59 – Amethyst

115. Let's make another small build. Place 1 dark bluish gray 2x2 wedge plate with cut corner in front of you, so that its angled side faces to the back left. Then, place 1 dark bluish gray 2x2 corner slope brick on top of the ppp, so that its angles align with the wedge plate. Rotate the build upright, so that its antistuds are facing to the back and its angled faces face to the left and upwards. Bring back the amethyst. Attach the bottom row of the rightmost column of the small build to the leftmost front-facing side stud of the amethyst build.

116.1 Let's make another small build. Place 1 dark bluish gray 2x2 corner plate in front of you, so that it resembles a J in Braille. Place 1 dark bluish gray 1x1 quarter round tile on the back row of the ppp, so that its rounded edge faces the right back. Place 1 light bluish gray 1x1 round plate on the leftmost column of the front row.

116.2 Locate 2 dark bluish gray 1x2 plates with stud and slop tile. Take the first one and rotate it vertically, so that it slopes to the front. Place its back row underneath the leftmost column of the front row of the small build. Take the second one and repeat symmetrically to the right.

116.3 Bring back the amethyst. Place the small build on top of the black 1x2 round brick with open center bars facing to the front, so that the overhanging row to the back of the build attaches to the free stud to the right of the front row of the 2x3 curved slope tile.

Group 60 – Amethyst

117.1 Let's continue with another small build. Place 1 dark bluish gray 2x2 wedge plate with cut corner in front of you, so that its angled side faces the right back. Place 1 dark bluish gray 1x2 slope brick vertically on top of the leftmost column of the ppp, so that it is centered vertically and it slopes to the back.

117.2 Locate 1 dark bluish gray 2x6 sloped right wedge brick. Rotate it horizontally so that it points to the right. Place it to the right of the ppp, so that there are 3 studs on the front row.

117.3 Place dark bluish gray 2x3 plate horizontally underneath the right overhang of the ppp, to the right of the 2x2 wedge plate with cut corner.

117.4 Find 1 dark bluish gray 2x4 trapezoid plate. Rotate it so that its short side points to the right. Place it vertically under the overhang to the right, so that its short side is to the right and 1 row of studs is exposed to the front.

117.5 Place 1 light bluish gray 1x1 round plate on the 2nd column from the right of the front row.

117.6 Rotate the small build horizontally upright, so that its antistuds face to the back. Attach it to the front-facing side studs of the amethyst build, so that the stud of the 1x2 slope brick is to the right of the 1x2 plate located on the 2nd and 3rd columns from the left of the front-facing studs.

Group 61 – Amethyst

118.1 Let's make another small build. Place 1 dark bluish gray 3x3 wedge plate with cut corner in front of you, so that its angled side faces to the right front. Place 1 dark bluish gray 1x1 quarter round tile on the leftmost column of the back row, so that its curved edge is facing to the left back.

118.2 Place 1 dark bluish gray 1x2 right wedge tile vertically in front of the ppp, so that its wedge is to the front. Then, place 1 light bluish gray 1x1 round plate on the 2nd column from the left of the back row.

118.3 Rotate the small build upright, so that its antistuds are facing to the back and its angled side is facing to the right and downwards. Bring back the amethyst. Attach the top row of the small build to the first 3 columns from the left of the front-facing side studs of the amethyst build.

119. Locate 1 dark bluish gray 1x2 curved slope tile. Rotate it horizontally upright, so that it slopes to the right. Attach its leftmost column to the rightmost column of the top row of the previous small build. Place 1 light bluish gray 1x1 round plate upright to the right of the ppp.

120. Find 1 dark bluish gray 2x3 curved sloped right wedge tile. Rotate it horizontally upright, so that its antistuds are facing to the back and it points to the right. Attach its 2 rightmost columns of the top row to the 2 rightmost front-facing side studs.

121. The amethyst is ready! Rotate it 90 degrees clockwise. Then, stand it upright by flipping it 90 degrees from front to back.

122. Bring back the shelving unit build. Attach it to the stud on the top panel of the shelf. Feel free to rotate it as you please.

We are done with the construction! Officially, you should arrange the shelves as follows, from left to right: first, the shelf with the pyrite and watermelon tourmaline, then the shelf with the amethyst and the rhodochrosite, and lastly the shelf with the fluorite and tangerine quartz. Notice how the leftmost and rightmost shelf fit nicely into the middle shelf. However, this is not mandatory, of course. Feel free to display the shelves and the minerals in a way that makes you happy, giving your space an exquisite decoration.

At the end of the instruction booklet, you will find an ad for the LEGO Ideas process spanning 2 pages. It consists of a black background with each step represented in a circle. All the circles are connected consecutively to explain the steps of the process. These steps are "Share your idea", "Gather support", "LEGO review", and "New LEGO product". On the second page, 3 more LEGO Ideas sets are shown: River Steamboat (21356), Minifigure Vending Machine (21358), and Italian Rivera (21359). Lastly, you will find the set inventory and on the last page you will find an invitation to share feedback.

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