60433 Modular Space Station
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Treat a budding astronaut with the 7+ LEGO® City Modular Space Station model playset. This futuristic space ring is an orbiting anchor for docking spacecraft and room pod modules, including a satellite, space bike, shuttle, exploration science lab, repair workshop, kitchen, sleeping quarters and a biodome. Kids can switch the modules around to create their perfect space station and connect them to the shuttle to create a cool space train. The set also features 6 space crew minifigures for epic space adventures.

LEGO City space toys come with realistic vehicles, detailed structures and inspiring characters that merge fantasy and reality for creative play without limits. This set includes the special space air-lock system for connection to other compatible space-themed LEGO playsets (sold separately).

LEGO® City space station toy for ages 7+. Treat a budding astronaut with this LEGO City Modular Space Station model playset, an orbiting anchor for docking spacecraft and detailed room pods.

What's in the box?
Includes a toy space station, spaceship, space bike and room pods including a science lab, workshop, kitchen, sleeping quarters and biodome, plus 6 astronaut minifigures.

Space toy for budding scientists.
Kids can switch the spacecraft and room pod modules around to create their own space station design and connect them to the shuttle to create a fun space train.

A fun gift for space-lovers.
Give this playset as a holiday or birthday gift for space enthusiasts and fans of cool space toys aged 7 and up.

Limitless play!
LEGO® City space playsets come with realistic vehicles, detailed structures and inspiring characters that merge fantasy and reality for imaginative play without limits.

Dimensions.
The complete space station in this 1,097-piece set measures over 3.5 in. (9 cm) high, 15.5 in. (40 cm) wide and 13.5 in. (35 cm) deep.

Welcome to text-based instructions from Bricks for the Blind. Before you start building, here are some terms we'll be using:

- In Front of/Front: towards you.
- Behind/Back: away from you.
- Up: towards the ceiling.
- Down: towards the floor.
- Stud: the bump on a LEGO brick. Example: A 2x1 brick has two studs on it.
- Vertically: with the longest side going from front to back
- Horizontally: with the longest side going from left to right.
- Upright: pointing up towards the ceiling.
- Standing upright: The piece is perpendicular to the ground, like a wall.
- Lying flat: The piece is parallel to the ground, like a piece of toast which fell off the table.
- That one/ppp: previously placed piece.
- Plate: piece with studs.
- Tile: smooth piece without studs (unless otherwise specified)
- A jumper plate is a 1x2 plate with a single stud on top, or a 1x3 plate with only two studs on top.
- "Anti-stud" is a term for the portion of a LEGO piece which accepts studs, like the bottom of a plate or brick.
- Symmetrically: a mirror image. Example: If you place a 2x1 brick with technic connector on the front wall at the right, connector to the front, and then place another such piece symmetrically on the back wall, at the right, the technic connector of the second piece should point to the back, since it will be placed symmetrically.

- Centered-vertically: even amount of space in front of and behind piece
- Centered-horizontally: even amount of space left and right of piece.
- Row: studs lined up horizontally (left to right/side to side).
- Column: studs lined up upright or vertically (top to bottom/back to front).

For builders with low vision, or a sighted building partner who may want to follow along with the printed visual instructions that come with each set, PDF versions are always online at [https://www.lego.com/en-us/service/buildinginstructions/60433]: As low vision users may benefit from viewing the instructions on a personal device where they can zoom in on content and use assistive technologies to enhance the visuals. When you go to the website from the link – Be sure to download all 6 instruction booklets!

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

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

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

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

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

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

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

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

The Box – The front of the box is overall dark blue, fading left top corner to lower right corner to a purple, with a fractured asteroid with a pinkish glow. The Silver banner on the right side shows the new colors of the classic space logo – a dark blue planet with the red swoosh and shuttle icon, with the word “Space” horizontally down the slanted edge of the banner. The front features a picture of the entire Space Station, with the Shuttle separated and accelerating away to the lower right.

The back pictures are of all the multiple features of the Space Station! How the Pods and Modules can be removed and connected. An image of the Built Space Train soaring towards the builder, with the Space Bike and Maintenance Drone nearby. Pictures of each Pod to be built are shown with the respective Astronaut associated with the Pod. Maintenance with Heavy gear, Science with experiments, taking a break in the Kitchen, and resting in the Sleeping Quarters! There’s also a picture of an astronaut ready to embark on the Space Bike!

A final tease of a QR Code is in the center of the back of the box, with a ghosted image of the Airlock. This scanned link will take you to the website, where other LEGO products from the Space line have connectable Airlocks compatible with this set!

To begin a successful build, it helps to sort the pieces into groups, bags or small containers. Have a sighted friend or family member do this in advance following the instructions below. You will see that the pieces should be sorted into groups according to the building steps in the set. Doing this in advance makes locating the pieces 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 collected into 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.

The Build is 1,097 pieces and recommended for ages 7+.

Sorting Note: There are multiple colors of the same brick in some steps. We recommend sorting the colors into separate piles of bricks to make telling the difference easier for the builder!

Instruction Book 1 – Build an Astronaut and the Shuttle.
Bag 1 (Minifigure build and 2 groups of bricks)
Minifigure build – Female astronaut.
Group 1 contains pieces for steps 1 through 20.
Group 2 contains pieces for steps 20 through 32.

Instruction Book 2 – Build the Modular Space Station Central Hub.
Bag 2 + Bag of curved technic gear racks - 4 pieces. (3 groups of bricks)
Group 3 contains brick pieces and technic pieces for steps 1 through 14.
Group 4 contains brick pieces and technic pieces 15 through 28.
Group 5 contains brick pieces and technic pieces 29 through 41.

Continue with building the Space Station Central Hub.
Bag 3 + Bag of curved technic gear racks - 4 pieces. (5 groups of bricks)
Group 6 contains pieces for steps 42 through 50.
Group 7 contains pieces for step 51

Group 8 contains pieces for steps 52 through 59.
Group 9 contains pieces for steps 60 and 61
Group 10 contains pieces for steps 62 through 67.

Instruction Book 3 – Build an Astronaut Minifigure and the Sleeping Quarters Pod.
Bag 4 (Minifigure build and 2 groups of bricks)
Minifigure build – Male astronaut.
Group 11 contains pieces for steps 1 through 20. Build the Sleeping Quarters Pod!
Group 12 contains pieces for steps 21 through 31. Continue building the Sleeping Quarters Pod.
Group 13 contains pieces for steps 32 through 36. Finish the Sleeping Quarter Pod.

Instruction Book 4 – Build the Maintenance Drone, the Satellite and the Biodome Pod.

Bag 5 (3 groups of bricks)
Group 14 contains pieces for steps 1 through 7. Build the Maintenance Drone.
Group 15 contains pieces for steps 1 through 22. Build the Satellite.
Group 16 contains pieces for steps 1 through 25. Build the Biodome.

Instruction Book 5 – Build the Repair Workshop Pod & the Exploration Science Lab Pod!
Bag 6 (Minifigure build and 3 groups of bricks)

Minifigure build – Female astronaut with heavy duty gear.
Group 15 contains pieces for steps 1 through 17. Build the Repair Workshop Pod.
Group 16 contains pieces for steps 18 through 32. Continue building the Repair Workshop Pod.
Group 17 contains pieces for steps 33 through 37. Finish the Repair Workshop Pod.

Bag 7 (Minifigure build and 3 groups of bricks)
Minifigure build – Male astronaut with solar array gear.
Group 18 contains pieces for steps 1 through 21. Build the Exploration Science Lab.
Group 19 contains pieces for steps 22 through 32.
Group 20 contains pieces for steps 33 through 37.

Instruction Book 6 – Build the Space Bike and Landing Platform & the Kitchen Pod!
Bag 8 (Minifigure build and 3 groups of bricks)
Minifigure build – Male astronaut.
Group 21 contains pieces for steps 1 through 17. Build the Space Bike!
Group 22 contains pieces for steps 18 through 26. Build the Landing Platform!
Group 23 contains pieces for steps 27 through 41. Finish the Landing Platform.

Bag 9 (Minifigure build and 3 groups of bricks)
Minifigure build – Female astronaut.
Group 24 contains pieces for steps 1 through 19. Build the Kitchen Pod.
Group 25 contains pieces for steps 20 through 32.
Group 26 contains pieces for steps 33 through 37.

Here we go! Blastoff to start your space adventure!

Instruction Book 1 – Build an Astronaut Minifigure and the Shuttle

The pages of the instruction book show the information regarding the new packaging. Some LEGO sets have parts bags that are now paper instead of the polybags of the past.

The next page features a teal brick separator, and the various ways this can be used in case you need to rebuild any parts of the model.

The next page shows illustrations of the completed Modular Space Station and how the modules can all come apart to connect in different ways faded out and the Shuttle in full color. This is an indication of what is being built in this instruction. An inset illustration in the top right shows that none of the modules have to be placed in any specific location, opening up the imagination to place the modules anywhere on the central ring. A bottom right inset illustration shows how to build a linear space train by connecting modules in a row.

Bag 1.
Group 1, Astronaut Minifigure build and Steps 1 through 20.

Locate the following parts and build the astronaut minifigure!

1 female minifigure head with cat eyeglasses and a slight smile.
1 dark azure minifigure jet pack with short nozzles and stud.
1 white minifigure torso with reddish orange and black Classic Space logo with a sand blue panel with gold lines and dark blue trim pattern with dark azure arms and dark blue hands.
1 dark blue minifigure hips with white legs, a gold and sand blue armor panel, a reddish orange triangle and stripe on the left leg, with sand blue and dark blue toes prints.

1. Connect the Minifigure legs and torso.

2. Place the jet pack on the torso post and then connect the Minifigure head to the torso.

3. Then locate 1 dark azure city space minifigure astronaut helmet with molded white neck base. Place the transparent clear visor onto the helmet with the trapezoid area on the top. Then add the helmet to the astronaut minifigure.

Steps 1 through 20. Now to building the first part of the Modular Space Station – the Shuttle!

1. Locate 1 black 6x8 fuselage bottom curved with 2 holes in the bottom and 2 vertical pinholes. Orient the part horizontally with the curve on the left.

2. Locate 1 light grey 4x4 tile with studs on one edge. Place it in the center recessed section of the fuselage with the row of studs on the right.

3. Locate 2 red 1L technic pins with open stud. Place 1 into each of the vertical pinholes on the fuselage's right side at the back and the front.

4. Locate 2 transparent orange 1x1 round plates and place them on the studs of the PPPs.

5. Locate 1 dark grey 2x2 inverted curved slope with 1x2 plate. Place the 1x2 plate section of the piece vertically centered on the rightmost column of the fuselage bottom with the inverted curve facing right and overhanging 1 column on the right.

6. Locate 2 transparent orange 1x1 round plates and place them on the recessed studs in the 3rd column from the left of the fuselage bottom on the front and back rows.

7. Locate 2 white 1x6 plates and 1 tan 2x2 curved slope with curved sides and 2 studs. Place the first 1x6 plate horizontally on the front row of recessed studs. Place the 2nd 1x6 plate on the back row of recessed studs. These plates will connect on the left on top of the PPPs and on the right on a stud of the 4x4 tile with studs. Place the 2x2 curved slope with curved sides vertically centered with the 2 studs on the right on the 2nd and 3rd columns from the right, between the PPPs.

8. Locate 2 white 1x2 plates and 2 dark grey 1x2 plates with bar handle with free ends. Place the 1st 1x2 plate with bar handle horizontally on the back row, 2nd and 3rd columns from the right, with the bar handle to the back. Place a 1x2 white plate horizontally in front of the PPP. Repeat symmetrically on the front rows.

9. Locate 2 sand blue 2x2 plates, 2 tan 1x2-1x2 brackets with studs pointing up and 2 black 1x1 round tiles with bar. Place the 1st 2x2 plate to the left of the PPPs on the front row overhanging to the front. The front edge of the 2x2 plate should align to the fuselage's front edge. Place the 1st 1x2 bracket to the left of the 2x2 plate, with the studs facing front. Symmetrically mirror the placement on the back row with the 2nd 2x2 plate and the 2nd 1x2 bracket with the studs facing back. Then on the leftmost column at the peak of the curved bow, place both 1x1 round tiles with bar.

10. Locate 2 sand blue 1x4 bricks and 2 black 1x4 tiles with 2 studs. Place the 1x4 tile aligned on top of the 1x4 brick. Then place the stack horizontally on the back row of 4 studs. Build the second stack and place it symmetrically mirroring the PPP on the front row of 4 studs.

11. Locate 3 light grey 1x4x3 wall panels and 2 light grey 1x2 curved tiles. The wall panels have 1 completely flat side and 1 side with side supports. Place the 1st wall panel vertically on the right column of 4 studs with the flat side facing right. Place the 2nd wall panel to the left of the PPP, on the row in front of the back 1x4 stack, with the flat side facing back. Place the 3rd wall panel symmetrically mirroring the PPP, on the row behind the front 1x4 stack, with the flat side to the front. Place the 1x2 curved tiles on each of the leftmost studs, to the left of the wall panels on the front and back rows, with the curves facing left and overhanging to the left.

12. Locate 4 tan 1x2x2 tall brick with 4 studs on one side. Place 2 of them side-by-side horizontally aligned on top of the back 1x4 stack in the back row, with the 4 studs facing the back. These pieces will connect on only one stud each. Repeat with the other two pieces symmetrically at the front.

13. Locate 2 dark grey 2x4 plates and 2 white 1x1-1x1 brackets with stud pointing up. Place the 1st 1x1 bracket on top of the leftmost stud of the back wall panel with the stud facing back. Place the 1st 2x4 plate horizontally to the right of the PPP aligned on the 2x4 section of studs. Repeat both pieces symmetrically at the front.

14. Locate 2 white 1x5 plates. Place the 1st 1x5 plate horizontally on the second row from the front. Place the 2nd 1x5 plate on the second row from the back. Set the Shuttle build aside.

15.1. Make a part. Locate 1 red orange 1x6x 4 1/3 panel with window and 4 pinholes. This is a large octagonal piece with a flat side and a side with a groove around the edges. The window area has 4 pinholes located at 12, 3, 6, and 9 o'clock. Orient this vertically so the row of 4 studs is up and the flat surface is on the right. Insert 1 black 2L technic pin into the top pinhole in the window, pointed to the left.

15.2. Locate 1 white 1x2 technic brick with pinhole and 1x2 plate. This is a 1x2 technic brick with a 1x2 plate attached 1/2 down the one side of the brick. The pinhole on the side opposite of the plate is the only access. Place this piece's pinhole on the pin of the PPP, so the 1x2 plate is on the left.

Locate the Shuttle build and orient it horizontally with the curved bow on the left. Rotate the part finished in Step 15 so the 1x2 plate is on the left. Place it centered on the 2 recessed studs vertically centered at the top of the 2nd column from the right, between the front and back wall panels of stacked bricks. Connect the bottom to the rightmost column of 2 studs.

16. Locate 1 dark grey 2x4 plate and 2 transparent orange 1x1 round plates. Place the 2x4 plate vertically centered on the 3rd and 4th columns from the right. Place the 1st 1x1 round plate on the recessed stud in the 2nd column from the right, 2nd row from the front. Move back 2 rows in the same column and place the 2nd 1x1 round plate on the recessed stud there.

17. Locate 1 black 2x3 plate and place it horizontally centered and aligned to the right side of the build. This should not overhang on the right.

18. Locate 2 transparent orange 1x1 slope tiles and 4 black 1x2 45-degree slopes with cutout and no stud. Place the 1st 1x1 slope tile on the rightmost stud of the row in front of the PPP, on the top of the octagonal window. Place the 1st 1x2 45-degree slope with cutout vertically, to the left of the PPP with the slope facing front and connecting to a lower row in front. Place the 2nd 1x2 45-degree slope vertically to the left of the PPP. Symmetrically mirror the placement of the same pieces on the row behind the 2x3 plate placed in the previous step.

19. Locate 1 light grey 1x4 plate with 2 hinge fingers on the long side. Place it vertically to the left of the PPPs in the previous step, on the 4th column from the right, with the hinge fingers pointing left.

20. Locate 2 black 1x1 bricks. Place the 1st 1x1 brick on the recessed row in front of the PPP. Place the 2nd 1x1 brick on the recessed row behind the 1x4 plate with hinge fingers. This step is intentionally split for sorting and building with the same type of part in different colors.

Group 2, Steps 20 through 32.

20. Locate 2 sand blue 1x1 bricks. Place the 1st 1x1 brick on the leftmost stud of the front row to the left of the 1st 1x1 black brick. Place the 2nd on the leftmost stud of the back row, to the left of the 2nd 1x1 black brick.

21. Locate 2 sand blue 2x2 modified corner tiles and 1 sand blue 1x2 tile. Place the 1x2 tile vertically centered on the 4th column from the right, on top of the 1x4 plate with hinge fingers. Place the 1st 2x2 modified corner tile behind the 1x2 tile, with the cut corner pointed back right, the back section of the piece will connect 1 stud to the left on the back row. Symmetrically mirror the placement of the other 2x2 modified corner tile at the front.

22.1. Make a part. Locate 1 white 3x4 plate with hinges on edge. Orient the plate so that the hinges are on the right.

22.2. Locate 2 white 1x2 ingot tiles and 1 white 2x2 tile with a red orange planet and black spaceship classic space logo. Place the 2x2 tile vertically centered on the 3x4 plate to the left of the hinge edge with the red orange and black spaceship logo bottom turned to the left. Place the 1x2 ingot tiles horizontally aligned with the 2x2 tile on the front and back rows of the 3x4 plate. The leftmost column will be uncovered.

22.3. Locate 1 dark grey 2x4 plate. Turn the 2x4 plate vertically and connect the right column of the 2x4 plate under the leftmost column of the 3x4 plate.

22.4. Locate 2 white 2x4 curved tiles with notches. These curved tile have a “stairstep” underside. This will align with the stacked stair step of plates created on the left of the part. Place the 1st 2x4 curved tile horizontally on the left 2 columns, front 2 rows with 2 columns overhanging to the left and the curve facing left. Place the other 2x4 curved tile aligned and behind the PPP with the curve facing left.

22.5. Locate 1 transparent black 3x4x4 inverted windscreen. With the part oriented horizontally so the slope is facing the left, attach the windscreen to the underside of the 3 left columns, with the open side on the right and the slope facing the left and down.

Connect the hinges on the right of the part with the hinge fingers pointing left onto the main build of the shuttle body. There will be a gap in the front and back walls of the shuttle once this is connected. Don’t worry! We’ll seal those gaps in the coming steps!

23.1. Locate 1 black 4x6 wedge with cut corners and orient it with a column of 4 studs on the left and a column of 6 studs on the right.

23.2. Locate 1 sand blue 4x6 wedge. Place it centered on the PPP with 2 stud column on the left and the 6 stud column end aligned on the right. Place the part vertically upright with the point to the left, on the left front 3 vertical studs (single stud near the top, and 2 studs near the bottom) of the Shuttle body.

24. Locate 1 black 1x4 tile with 2 studs and 1 black 2x2 tile with 2 studs on one side. Place the 1x4 tile vertically upright on the rightmost column of vertical studs facing front. Place the 2x2 tile vertically upright centered with the 2 studs on the left, to the left of the PPP on the vertical studs facing front.

25.1. Locate 1 white 6x4 wedge with cutout and 2 recessed studs and rotate it so the slope point is facing front.

25.2. Place sticker #2 with the sand blue engine intake and rounded triangle on the front slope facing front.

Rotate the 6x4 wedge horizontally so the stickered slope is on the left. On the Shuttle build’s vertical face of studs, place the 6x4 wedge vertically centered on the 2nd column from the left connecting the wedge to the right. Locate 2 white 1x1 slope tiles. Place 1 slope tile on each stud of the rightmost vertical upright column with the slopes facing right.

26.1. Make a part. Locate 1 white 2x2 modified plate with 2 side studs and 1 white 1x2 ingot tile. Place the 1x2 ingot tile vertically on the right column of the 2x2 modified plate, the 1x2 side studs should be on the left.

26.2. Locate 1 gold metallic 1x2 jumper plate. Place it on the 1x2 side studs of the 2x2 modified plate. Place the part upright on the 2x2 vertical studs in the center of the 6x4 wedge on the front face of the Shuttle build with the jumper plate facing right.

27. Rotate the Shuttle so that the windscreen is on the right. We will be mirroring previous steps to complete this side of the Shuttle!

27.1. Locate 1 black 4x6 wedge with cut corners and orient this with a column of 4 studs on the right and a column of 6 studs on the left.

27.2. Locate 1 sand blue 4x6 wedge. Place it centered on the PPP with 2 stud column on the right and the 6 stud column end aligned on the left. Place the part vertically upright with the point to the right, on the right front 3 vertical studs single stud near the top, and 2 studs near the bottom) of the Shuttle body.

28. Locate 1 black 1x4 tile with 2 studs and 1 black 2x2 tile with 2 studs on one side. Place the 1x4 tile vertically upright on the leftmost column of vertical studs facing front. Place the 2x2 tile vertically upright centered with the 2 studs on the right, to the right of the PPP on the vertical studs facing front.

29.1. Locate 1 white 6x4 wedge with cutout and 2 recessed studs and rotate it so the slope point is facing front.

29.2. Place sticker #2 with the sand blue engine intake and rounded triangle on the front slope facing front.

Rotate the 6x4 wedge horizontally so the stickered slope is on the right. On the Shuttle build's vertical face of studs, place the 6x4 wedge vertically centered on the 2nd column from the right connecting the wedge to the left. Locate 2 white 1x1 slope tiles. Place 1 slope tile on each stud of the rightmost vertical upright column with the slopes facing left.

30.1. Make a part. Locate 1 white 2x2 modified plate with 2 side studs and 1 white 1x2 ingot tile. Place the 1x2 ingot tile vertically on the left column of the 2x2 modified plate, the 1x2 side studs should be on the right.

30.2. Locate 1 gold metallic 1x2 jumper plate. Place it on the 1x2 side studs of the 2x2 modified plate. Place the part upright on the 2x2 vertical studs in the center of the 6x4 wedge on the front face of the Shuttle build with the jumper plate facing left.

31. Rotate the Shuttle so that the windscreen is facing back. Locate 2 white 2x2 trapezoid flags with clips. Clip them on the bar of the 1x2 plates with bar handle with free ends that were placed in step 8, near the bottom left and right sides of the Shuttle.

32.1. Build 2 duplicate parts. Locate 1 white 1x2 plate.

32.2. Locate 2 satin transparent purple 1x1 round bricks and place them side-by-side on the 1x2 plate.

32.3. Locate 1 white 1x2 tile with a dark blue screen with a dark azure bar graph readout and black and metallic pink battery charge symbol. Place it aligned on top of the 2 PPP. Repeat steps 32.1 to 32.3 to build a 2nd duplicate part.

Place the 1st part upright vertically with the tile facing front so the battery charge symbol is on the bottom of the tile, on the left upright vertical stud of the recessed jumper facing front on the left side of the Shuttle between the 1x1 slope tiles. Symmetrically mirror the placement of the 2nd part upright on the right upright vertical stud of the recessed jumper facing front on the right side of the Shuttle between the 1x1 slope tiles.

Congratulations! The Shuttle is complete!

Instruction Book 2 - Build the Modular Space Station Central Hub.

The instruction book first page shows all the Pods of the set faded back, with the Central ring in full color indicating that is what is to be built.

The second page shows an inset illustration in the top shows that none of the pods have to be placed in any specific location, opening up the imagination to place the modules anywhere on the central ring. A bottom inset illustration shows how to build a linear space train by connecting modules in a row.

The next page shows a hand emptying bag 2 and a graphic of a 2x2 brick in a circle with a “plus symbol” in the upper left. An inset round illustration shows a single Technic Gear Rack. These large Technic pieces are in an unnumbered bag.

Now we build the central ring of our Modular Space Station.

Bag 2
Group 3, Steps 1 through 14

1. Locate 1 black 2x4 technic brick with 3 axle holes. Orient this horizontally.

2. Locate 2 dark grey 2x2 round tiles with pinhole. Place them side-by-side on top of the 2x4, with no overhang.

3. Locate 2 dark grey 4L axles with stop. The anti-stud section of the 2x4 brick will have 3 tubes horizontally centered where there is an axle hole in the center of each of the tubes. Insert the 1st 4L axle from the anti-stud side of the 2x4 brick, into the left tube and push this up to meet the stop. Insert the 2nd 4L axle into the right tube and push it up to meet the stop. These will come up through the holes of the PPPs.

4. Locate 2 transparent orange 2x2 round plates with rounded bottoms. Connect them on the anti-stud side of the 2x4 brick aligned side-by-side covering the stops of the 2 axles.

5. Locate 2 sand blue 11x11 curved technic gear racks. These pieces are in a separate unnumbered bag. This is a large 1/ 4 circle curved piece with the inner curve covered with gear teeth and the outer curve is smooth. Note where there is an axle hole located on both ends with a 1/2L recess of the part.

Place the first 11x11 curve on the left axle of the part with the smooth curve facing back left and the 1/2L recess up. Symmetrically mirror the placement on the right axle.

6.1. Build 2 duplicate parts. Locate 1 black 2x4 technic brick with 3 axle holes. Locate 2 dark grey 2x2 round tiles with pinhole. Place them side-by-side on top of the 2x4, with no overhang.

6.2. Locate 2 dark grey 4L axles with stop. Repeat the build like in Step 3. Place the 1st 4L axle from the anti-stud side of the 2x4 brick into the left tube and push this up to meet the stop. Place the 2nd 4L axle into the right tube and push it up to meet the stop. These will come up through the holes of the PPP.

6.3. Locate 2 transparent orange 2x2 round plates with rounded bottoms. Flip the part over so that the axles point down, and then place the 2x2 round plates with round bottoms, side-by-side on the anti-studs of the 2x4 brick covering the stops of the axles. Repeat steps 6.1 to 6.3 to build a 2nd duplicate part.

Rotate the finished parts vertically with the axles pointing up and in a column. Place the left end of the 11x11 curve on the back axle of the 1st part, and push the curve down to meet the round tile. The other axle should be in front. Symmetrically mirror the placement on the right, placing the 11x11 gear rack end on the back axle of the 2nd part.

7. Locate 2 sand blue 11x11 curved technic gear racks. Place the 1st 11x11 curve axle hole on the front axle on the left with the smooth curve facing front left. Symmetrically mirror the placement on the right front axle, with the 11x11 smooth curve facing front right. The build should now form a ring with a gap in the front.

8.1. Make the final connection for the central ring. Locate 1 black 2x4 technic brick with 3 axle holes. Orient this horizontally. Locate 2 dark grey 2x2 round tiles with pinhole. Place them side-by-side on top of the 2x4, with no overhang.

8.2. Locate 2 dark grey 4L axles with stop. Repeat the build like in Step 3. Place the 1st 4L axle from the anti-stud side of the 2x4 brick into the left tube and push this up to meet the stop. Place the 2nd 4L axle into the right tube and push it up to meet the stop. These will come up through the holes of the PPP.

8.3. Locate 2 transparent orange 2x2 round plates with rounded bottoms. Flip the part over so that the axles point down, and then place the 2x2 round plates with round bottoms, side-by-side on the anti-studs of the 2x4 brick covering the stops of the axles.

Rotate the finished part vertically with the axles pointing up and horizontal. Close the gap in the front! Place the left 11x11 end of the ring on the left axle, and then the right 11x11 end on the right axle and then push the parts down to meet the round tiles. The Space Station ring frame is complete! Set this aside.

9. Locate 1 dark grey 2x6 plate with bricks with axle holes and 2 white 1x2 technic bricks with axle hole. Orient the 2x6 plate with bricks horizontally, there is a recessed 2x4 section in the center of the part. Place the 1st 1x2 brick vertically on the leftmost column of the recessed 2x4 section. Place the 2nd 1x2 brick vertically on the rightmost column of the recessed 2x4 section. The placed 1x2 bricks will align with the leftmost and rightmost bricks and leave a recessed 2x2 section in the center.

10. Locate 2 white 1x2 technic bricks with axle hole. Place them horizontally on the front and back row of the 2x2 recessed center section of the part.

11. Locate 2 yellow 3L technic axles. Insert the 1st 3L axle into the left vertical axle hole and push it in until only a 1L axle end remains on the left. Insert the 2nd 3L axle into the right vertical axle hole and push in until only 1L axle end on the right.

12.1. Build 2 duplicate parts. Locate 1 dark grey 2x6 plate with bricks with axle holes and 1 blue 2L technic axle-pin combo. Insert the axle-pin combo into the left vertical axle hole of the horizontal 2x6 plate with bricks with the 1L pin to the left.

12.2. Locate 1 white 2x4 brick and place it horizontally aligned on the 2x4 recessed section in the center of the 2x6 plate. Repeat steps 12.1 to 12.2 to build a 2nd duplicate part.

Insert the yellow 1L left axle of the assembly completed in step 11, into the axle hole on the right of the 1st part. Rotate the 2nd part so the pin is on the right and the axle hole is on the left. Insert the yellow 1L right axle of the assembly into the left axle hole of the 2nd part. The finished build is now 2x18 with a 1L technic pin pointed out on the left and right ends.

13. Locate 2 light grey 2x4 plates with brick and vertical center pin. Place them side-by-side horizontally centered on the 2x18 assembly. There will be a 2x5 section of studs on the assembly to the left and right of these parts once placed.

14. Locate 2 light grey 11mm diameter wheels with groove. Place the wheels on the vertical pins of the PPP. Set the assembly aside.

Group 4, Steps 15 through 28 Building the Modular Space Station Central Hub.

15. Build 2 duplicate parts. Locate 1 white 1x4 technic brick with 3 pinholes. Orient it horizontally.

16. Locate 2 light grey 2x2 brick with two pins on opposite sides. From the front, insert the pin of the 1st 2x2 brick into the left pinhole of the 1x4 technic brick. From the front, insert the pin of the other 2x2 brick into the right pinhole of the 1x4 technic brick.

17. Locate 1 dark grey 1x 6 technic brick with 5 pinholes. Insert the pins from the PPP into the horizontally centered 1x6 technic brick with the studs up, from the back of the brick.

18. Flip the part upside-down with the 6 stud row horizontal and in the front. Locate 2 light grey 2x4 plates with 3 pinholes and connect them vertically, and vertically centered, side-by-side aligned on the part. These will cover all rows and do not overhang. The front leftmost and rightmost anti-stud will be 1 plate lower than the top.

19. Flip the part to right-side-up, with the 6 stud row horizontal and in the front. Locate 2 black 2L technic pins. Insert the 1st pin into the leftmost pinhole in the front. Insert the 2nd pin into the rightmost pinhole in front.

20. Locate 1 light grey 1x6 plate and 2 white 2x2 round tiles with pinhole. Place the 1x6 plate horizontally and horizontally aligned on the row in front. Place the 2 round tiles side-by-side directly behind the PPP.

21. Locate 1 dark grey 1x6 tile and place it horizontally and horizontally aligned on the front row. Repeat steps 15 to 21 to build a 2nd duplicate part.

22. Rotate the part completed in the previous step so the 1x6 tile is vertical and on the left. Insert the left pin of the 2x18 assembly set aside in Step 14, into the center pinhole on the right side. Symmetrically mirror the attachment of the 2nd part on the pin on the right end of the 2x18 assembly. At the end of this step, the Modular Space Station Central hub is horizontally 26 studs long! Both ends should have 1x6 vertical tiles and should have 2 pins sticking out away from the center.

23. Locate 4 light grey 1x6 plates and 4 red orange 1x1 tiles. Place the first 1x6 plate horizontally on the 1st row of 6 studs to the right of the pair of 2x2 round tiles on the left. Place the 2nd 1x6 plate on the row behind the PPP. In the 4th column from the left, place the 1st 1x1 tile on the recessed stud behind the PPP. Place the 2nd 1x1 tile on the recessed stud in the front row in this column. Symmetrically mirror the placements on the right side of the Central Hub.

24. Locate 2 white 2x6 tiles, 2 white 1x2 plates with rail and 1 white 2x2 tile with a red orange planet and black spaceship classic space logo. Place the 2x2 tile in the center of the Hub’s 2x2 section, with the spaceship swooshing towards the right., Place the 1st 1x2 plate with rail vertically on the leftmost column of studs with the rail to the left. Place the 1st 2x6 tile horizontally to the right of the PPP. Place the 2nd 1x2 plate with rail vertically on the rightmost column of studs, with the rail to the right. Place the 2nd 2x6 tile horizontally to the left of the PPP.

25. Flip the part upside-down keeping the orientation the same. Locate 1 light grey 2x8 plate and connect it horizontally and horizontally centered to the Central hub.

26. Locate 2 dark grey 2x2 inverted slopes. Connect them side-by-side horizontally centered on the PPP. The left slope facing left, the right slope facing right.

27. Locate 1 black 2x2 plate with pin on the bottom. Place it centered on the anti-stud 2x2 area in the center of the build on top of the PPP; the pin will be towards the ceiling. Locate 1 light grey 11mm diameter wheel with groove. Place it on the pin of the PPP. Flip the build back to right-side up and the 2 vertical wheels pointing up are on top.

28. Locate the Space Station ring frame. Orient this so that all 8 axles are upright and located at 12, 3, 6, and 9 o’clock. Connect the Central Hub on the 9 o’clock and 3 o’clock sets of 2 vertical axles. The axle holes will be on the anti-stud side, aligned with the pinholes of the 2 sets of 2x2 round tiles with hole on the top of the Central Hub part - in the 2nd and 3rd columns from the left and right edges respectively.

Group 5, Steps 29 through 41

29. Build 2 duplicate parts. Locate 1 white 1x4 technic brick with 3 pinholes. Orient this horizontally.

30.Locate 2 light grey 2x2 brick with two pins on opposite sides. From the front, insert the pin of the 1st 2x2 brick into the left pinhole of the 1x4 technic brick. From the front, insert the pin of the other 2x2 brick into the right pinhole of the 1x4 technic brick.

31. Locate 1 dark grey 1x 6 technic brick with 5 pinholes. Insert the pins from the PPP into the horizontally centered 1x6 technic brick with the studs up, from the back of the brick.

32. Locate 2 black 2L technic pins. Insert the 1st pin into the leftmost pinhole in the front. Insert the 2nd pin into the rightmost pinhole in front.

33. Flip the part upside-down keeping its orientation the same so that 6 stud row horizontal and in the front. Locate 2 light grey 2x4 plates with 3 pinholes and connect them vertically centered, side-by-side aligned on the part. These will cover all rows and do not overhang. The front leftmost and rightmost anti-stud will be 1 plate lower than the top.

34. Flip the part right-side up, with the 6 stud row horizontal and in the back. Locate 1 light grey 1x6 plate and place it horizontally and horizontally aligned on the back row.

35. Locate 2 white 2x2 round tiles with pinhole and 1 red orange 1x2 plate. Place the 2 round 2x2 tiles sided-by-side on the rows in directly front of the PPP. Place the 1x2 plate horizontally centered on the front row.

36. Locate 2 red orange 1x1 tiles. Place one on the leftmost stud of the front row. Place the other on the rightmost stud of the front row.

37. Locate 1 dark grey 1x6 tile and 1 white 1x2 plate with rail. Place the 1x6 tile horizontally aligned on the back row. Place the 1x2 plate horizontally centered on the front row, with the rail to the back.

38. Locate 1 black 2L technic pin and insert it into the vertical center pinhole of the front face.

39. Locate 1 gold 2L round technic pin connector and connect it onto the PPP. Locate 1 gold 8L bar with stop ring and pin, and insert the pin end into the connector just placed. Repeat steps 29 through 39 to build a 2nd duplicate part.

40. Rotate the Space Station ring with the Central hub vertically. There will be axle holes in the center, facing 9 and 3 o’clock. Insert the 8L bar of the 1st part completed in the previous step into the axle hole at 9 o’clock. This will have to be inserted with the piece held slightly upright, and then lowering it down on to rest on the vertical axles on the left. Repeat symmetrically on the right, with the second sub-assembly.

41. Gently push the left part towards the right, as it moves right and the bar’s stop ring gets closer to meeting the Central hub edge, the axle holes on the anti-stud side will align with the 2 vertical axles at 9 o’clock. Once these axles and axle holes are aligned push the part down to meet the Space Station ring. Repeat this process with the 2nd part inserted into the axle hole at 3 o’clock, seating the part on the Space Station ring once aligned.

Bag 3 Continue building the Modular Space Station Ring.
Group 6, Steps 42 through 51.

42. Locate 8 light grey 2L round technic pin connectors and 16 black 2L technic pins. Build 8 duplicate parts, inserting a 2L technic pin into both sides of the 2L pin connectors.

Orient the Space Station Ring with the Central Hub horizontal and the Hub connections located at 12, 3, 6, and 9 o'clock. Place 1 part vertically into each pinhole on the gear rack, located 1 pinhole from both sides of the 1x6 Hub connections. There is 1 pinhole right next to each side of the Hub connections, but they are partially covered by the Hubs, and you can't place the pin in these holes.

43. Locate 1 dark grey 1x6 technic brick with 5 pinholes and 1 light grey 2x2 brick with pin and vertical axle hole. Insert the pin of the 2x2 brick into the vertical center pinhole of the 1x6 brick from the front.

44. Locate 2 black 2L technic pins. Insert the pins into the leftmost and rightmost pinholes of the 1x6 brick from the back. The pins will extend 1L to the back.

45. Locate 1 light grey 2x4 plate with 3 pinholes. Connect it vertically and vertically centered under the parts and aligned with the back. There will be a row of 2 studs of the plate exposed at the front.

46. Locate 2 dark grey 2x2 plates. Connect these aligned to the back under the 1x6 brick to the left and right of the PPP. There will be a row with 2 sets of 2 studs uncovered in front of the 1x6 brick on the left and right of the 2x2 brick in the center.

47. Locate 1 white 1x2 brick with 2 studs on 1 side. Place it horizontally centered on the 2 stud front row with the studs facing front. Locate 2 light grey 1x2 log bricks. Place the 1st 1x2 log brick horizontally on the 2 stud row on the left. Place the 2nd 1x2 log brick on the 2 stud row on the right.

48. Locate 1 transparent orange 1x2 plate and place it horizontally centered on the back row. Locate 2 light grey 2x2 tiles with 2 studs. Place the 1st 2x2 tile aligned on the left 2 columns, with the 2 studs on the left. Place the 2nd 2x2 tile aligned on right 2 columns, with the 2 studs on the right. These should not overhang.

49. Locate 1 red orange 1x2 tile and place it horizontally and horizontally centered on the front row. Locate 1 white 2x2 round tile with pinhole and place it centered behind the PPP.

50. Locate 1 dark grey 1x6 tile and place it horizontally and horizontally centered on the back row. Set the part aside.

Group 7, Step 51

51. Locate 1 black 6L axle, 1 transparent 2x2 round plate with rounded bottom, 1 black 2x2 round ridged brick, and 1 dark grey 2x2 round plate with pinhole.

51.1. Make a part. Locate 1 black 2x2 round ridged brick. Place 1 dark grey 2x2 round tile with pinhole aligned on top of the 2x2 round brick.

51.2. Locate 1 transparent 2x2 round plate with rounded bottom. Connect it aligned under the 2x2 round ridged brick.

51.3. Locate 1 black 6L technic axle and insert it into the center of the 2x2 round assembly and push it down to meet the rounded bottom plate.

On the main Space Station ring, with the Central Hub horizontal, locate the axle hole between 2 pinholes on the gear ring located at the 7:30 location. From the underside of the ring, insert the axle of the part completed in step 51.3 and push the part up until the round tile meets with the technic gear ring (the axle will need to be rotated 45-degrees to insert). Locate the part set aside in step 50. Find the center tube on the anti-stud side of the part, and connect it to the axle with the 1x6 tile with 2 pins facing front left. This part will also need to be rotated 45-degrees to match the axle. Push this part down to meet the technic gear ring. The axle will come up through the 2x2 round tile located on the top of the part.

Group 8, Steps 52 through 61.

52. Build 3 duplicate parts. Locate 1 dark grey 1x6 technic brick with 5 pinholes and 1 light grey 2x2 brick with pin and vertical axle hole. Insert the pin of the 2x2 brick into the vertical center pinhole of the 1x6 brick from the front.

53. Locate 2 black 2L technic pins. Insert the pins into the leftmost and rightmost pinholes of the 1x6 brick from the back. The pins will extend 1L to the back.

54. Locate 1 light grey 2x4 plate with 3 pinholes. Connect it vertically and vertically centered under the parts and aligned with the back. There will be a row of 2 studs of the plate uncovered at the front.

55. Locate 2 dark grey 2x2 plates. Connect these aligned to the back under the 1x6 brick to the left and right of the PPP. There will be a row with 2 sets of 2 studs uncovered in front of the 1x6 brick on the left and right of the 2x2 brick in the center.

56. Locate 1 white 1x2 brick with 2 studs on 1 side. Place it horizontally centered on the 2 stud front row with the side studs facing front. Locate 2 light grey 1x2 log bricks. Place the 1st 1x2 log brick horizontally on the 2 stud row on the left. Place the 2nd 1x2 log brick on the 2 stud row on the right.

57. Locate 1 transparent orange 1x2 plate and place it horizontally centered on the back row. Locate 2 light grey 2x2 tiles with 2 studs. Place the 1st 2x2 tile aligned on left 2 columns, with the 2 studs on the left. Place the 2nd 2x2 tile aligned on right 2 columns, with the 2 studs on the right. These should not overhang.

58. Locate 1 red orange 1x2 tile and place it horizontally centered on the front row. Locate 1 white 2x2 round tile with pinhole and place it behind the PPP.

59. Locate 1 dark grey 1x6 tile and place it horizontally centered on the back row. Repeat steps 52 through 59 to build 2 more duplicate parts. Set these 3 parts aside.

Group 9, Step 60 and 61.

60. Locate 3 black 6L axles, 3 transparent 2x2 round plate with rounded bottom, 3 black 2x2 round ridged bricks, and 3 dark grey 2x2 round tiles with pinhole.

60.1. Build 3 duplicate parts. Locate 1 black 2x2 round ridged brick. Place 1 dark grey 2x2 round tile with pinhole aligned on the 2x2 round brick.

60.2. Locate 1 transparent 2x2 round plate with rounded bottom. Connect it aligned under the 2x2 round ridged brick.

60.3. Locate 1 black 6L technic axle and insert it into the center of the 2x2 round assembly and push it down to meet the rounded bottom plate. Repeat steps 60.1 through 60.3 to build 2 more duplicate parts.

61. Placement of these assembled parts is similar to the end of step 51.3. On the main Space Station ring, with the Central Hub horizontal, locate the axle holes between 2 pinholes on the technic gear ring located at the 1:30, 4:30 and 10:30 locations. The first assembly placed in step 51.3 was in the 7:30 position.

From the underside of the ring at the 10:30 location, insert the axle of the part completed in step 60.3 and push the part up until the round tile meets with the technic gear ring (the axle will need to be rotated 45-degrees to insert). Locate the part set aside in step 59. Find the center tube on the anti-stud side of the part, and connect it to the axle with the 1x6 tile with 2 pins facing back left. This part will also need to be rotated 45-degrees to match the axle. Push this part down to meet the technic gear ring. The axle will come up through the 2x2 round tile located on the top of the part.

Repeat the steps with the parts from 59 and 60.3. Connecting the additional parts in the same manner at the 1:30 and 4:30, locations. At the end all 1x6 tile sections will have 2 1L technic pins pointed away from the center of the ring.

Group 10, Steps 62 through 67.

62. Locate 4 sand blue 11x11 curved technic gear racks. Place the first 11x11 gear rack's center axle hole on the axle located at 10:30, with the smooth curve facing back left and the 1/2L recess down. As this piece is pushed down on the Space Station ring, the pinholes will align and connect with the vertical pins placed in Step 42. Once connected there will be a 1/2L stub of the axle in the center of the arc. Repeat the placement of the 3 remaining 11x11 gear racks. Connecting them on the axles at the 4:30, 7:30 and 10:30 locations. Make sure they are all connected firmly.

63. Build 4 duplicate parts. Locate 4 black 3L axle and pin connectors with center pinhole and 8 brown 3L axles with stop. Insert one 3L axle with stop into each of the axle holes of the 3L axle and pin connectors with the center pinhole on top. Push the axles into the connector until it meets the stop.

Orient the Space Station Ring with the Central Hub horizontal. Where the top technic gear rack ends nearly meet at the 12, 3, 6, and 9 locations, insert the parts just completed with the axles pointed down, and push down to meet the gear rack. The 12 and 6 oriented horizontally the 3 and 9 oriented vertically. If the gear racks have been placed incorrectly, these parts will push down too deep on the top surface of the gear ring. If that is the case, remove the technic gear racks and orient them so the recess is down, and replace the parts just finished.

64. Locate 4 black 2x2 short ribbed bricks. Place 1 brick on each of the side studs pointed towards the center of the Space Station ring, located inside the ring at the 1:30, 4:30, 7:30, and 10:30 positions. These will have a purpose much later!

65. Locate 8 dark grey 1L technic pins with open stud end. Place 1 pin into each of the pinholes that are located on the gear rack at 1:30. The pins align roughly with the outer edges of the 1x6 tile of each hub connections on the outside of the ring. Repeat inserting pins into the pinholes on the gear rack behind each 1x6 tile hub connector at the 4:30, 7:30, and 10:30 positions.

66. Locate 8 black 1L bar with clip and insert 1 bar into each of the bar holes of the 1L technic pins with open stud with the clip pointed up. Orient the clip perpendicular to the technic gear ring once inserted.

67. Locate 4 black 6L bars with stop. Place them into the pairs of clips at the 1:30, 4:30, 7:30, and 10:30 hub connections and orienting the bars aligned to the gear ring.

Congratulations! The Modular Space Station central ring is complete. You can connect the Shuttle completed onto any of the 2 pin connections located along the ring!

Instruction Book 3 – Build an Astronaut Minifigure and the Sleeping Quarters Pod.

The first page shows all the builds of the set faded back, with a pod module in full color indicating that is what is to be built.

The second page shows an inset illustration in the top shows that none of the modules have to be placed in any specific location, opening up the imagination to place the modules anywhere on the central ring. A bottom inset illustration shows how to build a linear space train by connecting modules in a row.

The last page before the building instructions shows a hand emptying bag 4 and the standard safety warning.

Bag 4
Group 11, Astronaut Minifigure Build and Steps 1 through 20.

Locate the following parts and build the astronaut minifigure!

1. Locate 1 bright green minifigure neck bracket with 4 back studs and front harness.

2. Locate 1 black 1x2 tile with gold hexagonal solar panel pattern and place it horizontally on the top row of the neck bracket's 4 back studs. Place a 1 black 1x2 half circle tile on the row below the PPP with the curve towards bottom.

Now find 1 male minifigure head with eyeglasses, smile and stubble.
1 white minifigure torso with reddish orange and black Classic Space logo with a sand blue panel with gold lines and dark blue trim pattern with bright green arms and dark blue hands.
1 dark blue minifigure hips with white legs, a gold and sand blue armor panel, a reddish orange triangle and stripe on the left leg, with sand blue and dark blue toes prints.

1.Connect the Minifigure legs and torso.

2. Place the Solar Power Backpack on the torso post and then connect the Minifigure head to the torso.

3. Then locate 1 bright green city space minifigure astronaut helmet with molded neck base. Place the transparent clear visor onto the helmet. Then add the helmet to the astronaut minifigure.

Now to building the first Pod of the Modular Space Station – the Sleeping Quarters Pod!

Steps 1 through 20

1. Locate 1 dark grey 6x8 plate. Orient it horizontally.

2. Locate 2 black 1x2 plates with bar on the long side with closed ends and place them side-by-side horizontally centered on the back row with the bar to the back. The bar will overhang to the back. Locate 2 dark grey 1x2 inverted curved slopes with 1x2 plate. This piece is a 1x2 inverted curved slope with an attached 1x2 plate centered opposite of the inverted slope. Place the pieces on the back row to the left and right of the PPPs with the inverted curved slope to the back. These 2 pieces will extend 1 row to the back.

3. Locate 4 dark grey 1x2 inverted curved slope with 1x2 plate. Place 2 of the 1x2 curved slopes vertically on the leftmost column, skipping the frontmost stud, with the inverted curves facing left. These will overhang to the left by 1 column. Repeat symmetrically on the right with the other 2 1x2 inverted curved slopes. These will overhang to the right by 1 column.

4. Locate 2 black 1x2 plates with bar on the long side with closed ends and place them side-by-side horizontally centered on the front row with the bar to the front. The bar will overhang to the front. Locate 2 dark grey 1x2 inverted curved slopes with 1x2 plate and place them on the front row to the left and right of the PPP with the inverted curved slope to the front. These 2 pieces will extend 1 row to the front.

5. Locate 2 dark grey 1x8 plates and 2 light grey 1x4 plates. Place the 1st 1x8 plate horizontally and horizontally aligned on the 2nd row from the back, covering the 1 plate row of 8 studs. Place the 2nd 1x8 plate horizontally and horizontally aligned on the 2nd row from the front covering the 1 plate row of 8 studs. The 1x8 plates should not cover the bars on the back or front.

Place the 1st 1x4 plate vertically on the 2nd column from the left, covering the 1 plate column of 4 studs. Symmetrically mirror the placement of the 2nd 1x4 plate vertically on the 2nd column from the right, covering the 1 plate column of 4 studs. In the center of the Sleeping Quarters build is a 2 plate recessed 4x6 area.

6. Locate 1 tan 2x4 tile with 2 studs. Place it vertically on the 2 right columns of the recessed 4x6 area.

7.1. Make a part. Locate 1 dark tan 1x3 round plate, 2 tan 1x1 round plates with open stud, and 2 black 1x1 inverted cones with bar. Orient the 1x3 round plate horizontally. Place 1 tan 1x1 round plate with open stud on the left and right studs of the 1x3 round plate.

7.2. Insert a 1x1 inverted cone with bar into each of the open studs of the PPPs. Then place this part vertically centered on the 2 studs of the 2x4 tile with 2 studs from Step 6.

8. Locate 1 dark blue minifigure baseball cap and place it on the back stud of the PPP. Locate 2 tan 1x3 jumper plates. Place the 1st 1x3 jumper horizontally on the 2nd from the back row, starting on the 2nd column from the left. Place the 2nd 1x3 jumper symmetrically to the front.

9.1. Make a part. Locate 1 black 2x6 plate. Orient this horizontally and place 1 light grey 1x2 rounded plate vertically on the leftmost column.

9.2. Locate 1 light grey 2x2 curved slope tile. Place it aligned on the left edge on top of the PPP connecting to the right, with the curve facing right.

9.3. Locate 3 sand blue 1x2 ingot tiles and place them vertically on the columns to the right of the PPP. Locate 1 tan 1x2 panel with center divider. Place it vertically on the rightmost column with the wall to the right and the open divider to the left. The bed is complete! Rotate this vertically so that the curved slope tile is in the back facing front and the wall of the 1x2 panel is in front. Place this part vertically centered aligned on the 2 studs of each 1x3 jumper plate connected in step 8.

10.1. Build 2 duplicate parts. Locate 1 red orange 1x8 plate. Orient the 1x6 plate horizontally. Place 1 white 1x6 brick horizontally centered on top.

10.2. Locate 2 white 1x1 short bricks and place them on the left and right studs of the 1x8 plate. Repeat steps 10.1 and 10.2 to build a 2nd duplicate part.

Place the 1st part horizontally and horizontally aligned on the split back row of studs. The part should bridge over the horizontal bars facing back. Place the 2nd part on the split front row of studs. The 2nd part should bridge over the horizontal bars facing front. Set the Sleeping Quarters Pod aside.

11. Locate 1 light grey 1x6 technic brick with 5 pinholes. Insert 1 black 2L pin into the center pinhole, from the front.

12.1. Locate 1 light grey 1x2x2 brick.

12.2. Place sticker #7 on the brick vertically, with airlock controls – a silver beveled frame square on the upper left with a dark azure center, a silver riveted square with a silver dial knob turned slightly angled in the lower left. 2 silver framed level gauge readings with dark grey connected conduit on the right side of the sticker.

Then place the brick horizontally centered on top of the 1x6 technic brick with the sticker facing front.

13. Locate 4 light grey 1x1 round bricks. Build 2 stacks of 2 round bricks. Place the 1st stack on the stud to the left of the 1x2x2 brick. Place the 2nd stack of 2 round bricks on the stud to the right of the 1x2x2 brick.

14. Locate 2 white 1x2x2 bricks. Place the 1st 1x2x2 brick horizontally on the leftmost stud of the assembly. This will overhang by 1 stud to the left. Place the 2nd 1x2x2 brick symmetrically on the right.

15. Locate 1 white 1x8 plate and place it horizontally on top of the sub-build.

16. Locate 1 dark grey 1x2 technic brick with pinhole. Insert 1 black 2L pin into the pinhole of the 1x2 brick and then place it horizontally centered on top of the PPP, with the pin pointed to the front. Locate 2 light grey 1x2 rounded plates. Place the 1st 1x2 rounded plate horizontally to the left of the 1x2 technic brick. Place a 2nd 1x2 rounded plate horizontally to the right of the 1x2 technic brick.

17. Locate 1 red orange 1x6x 4 1/3 panel with window and 4 pinholes. Orient the part so the row of 4 studs is on top, and the flat side is facing front. Insert the pins facing front from the assembly into the top and bottom pinholes in the window of the panel. Push it together to meet the other stacked bricks.

18. Place 1 black 2x2 plate horizontally centered on the top of the build connecting the panel to the wall of stacked bricks.

19. Locate 2 transparent 1x1 slope tiles. Place them on the studs on top of the panel to the left and right of the PPP, with the left slope facing left and the right slope facing right. Place 1 red orange 1x2 plate horizontally on the back row of the 2x2 plate on the top of the build.

20. Rotate the assembly so the flat side of the panel is on the right. Locate the Sleeping Quarters Pod set aside in step 10.2 and orient it horizontally with the bed on the left side. Place the assembly on the 2 right columns of the Sleeping Quarters Pod. The assembly will connect onto the short bricks on the back and front rows on the 2nd column from the right and the rightmost column of 4 studs of the inverted curved slopes.

Group 12, Steps 21 through 31. Continue building the Sleeping Quarters Pod.

21. Locate 6 transparent black 1x2x2 flat panels with side supports with open studs. Place 3 of the 1x2 panels horizontally side-by-side on the back row starting from the right and moving to the left, with the flat panels facing back. Place the 3 remaining panels horizontally side-by-side on the front row starting from the right and moving to the left, with the flat panels facing front. The left column should be uncovered. Set the Sleeping Quarters Pod aside.

22. Locate 1 light grey 1x6 technic brick with 5 pinholes. Insert 1 black 2L pin into the center pinhole, from the front.

23.1. Locate 1 light grey 1x2x2 brick.

23.2. Place sticker #7 on the brick vertically, with airlock controls – a silver beveled frame square on the upper left with a dark azure center, a silver riveted square with a silver dial knob turned slightly angled in the lower left. 2 silver framed level gauge readings with dark grey connected conduit on the right side of the sticker.

Then place the brick horizontally centered on top of the 1x6 technic brick with the sticker facing front.

24. Locate 4 light grey 1x1 round bricks. Build 2 stacks of 2 round bricks. Place the 1st stack on the stud to the left of the 1x2x2 brick. Place the 2nd stack of 2 round bricks on the stud to the right of the 1x2x2 brick.

25. Locate 2 white 1x2x2 bricks. Place the 1st 1x2x2 brick horizontally on the leftmost stud of the assembly. This will overhang by 1 stud to the left. Place the 2nd 1x2x2 symmetrically on the right.

26. Locate 1 white 1x8 plate and place it horizontally on top of the sub-build.

27. Locate 1 dark grey 1x2 technic brick with pinhole. Insert 1 black 2L pin into the pinhole of the 1x2 brick and then place it horizontally centered on top of the PPP, with the pin pointed to the front. Locate 2 light grey 1x2 rounded plates. Place the 1st 1x2 rounded plate horizontally to the left of the 1x2 technic brick. Place a 2nd 1x2 rounded plate horizontally to the right of the 1x2 technic brick.

28.Locate 1 red orange 1x6x 4 1/3 panel with window and 4 pinholes. Orient the part so the row of 4 studs is on top, and the flat side is facing front. Insert the pins facing front from the assembly into the top and bottom pinholes in the window of the panel. Push it together to meet the other stacked bricks.

29. Place 1 black 2x2 plate horizontally centered on the top of the build connecting the panel to the wall of stacked bricks.

30. Locate 2 transparent 1x1 slope tiles. Place them on the studs on top of the panel to the left and right of the PPP, with the left slope facing left and the right slope facing right. Place 1 red orange 1x2 plate horizontally on the back row of the 2x2 plate on the top of the build.

31. Rotate the assembly so the flat side of the panel is on the left. Locate the Sleeping Quarters Pod set aside in step 21 and orient it horizontally with the bed on the left side. Place the assembly on the 2 left columns of the Sleeping Quarters Pod. The assembly will connect onto the short bricks on the back and front rows on the 2nd column from the left and the leftmost column of 4 studs of the inverted curved slopes.

Group 13, Steps 32 through 36. Finish the Sleeping Quarter Pod.

32. Locate 2 white 1x8 plates and place them horizontally on the front and back rows of the Sleeping Quarters Pod.

33. Build 4 duplicate parts. Locate 1 white 1x3 plate. Place a 4x1x1 2/3 curved slope on top, aligning the point of the curved slope on the 1x3 plate. This will create a 1 brick high notch on the flat side of the part, opposite of the curve. Build 3 more duplicate parts.

Place the 1st curved slope part vertically aligned on the back 4 studs of the 2nd column from the left, with the curve facing back. Symmetrically mirror the placement of the 2nd curved slope part vertically in front of the PPP, on the front 4 studs of the same column with the curve facing front. These should not overhang.

Symmetrically mirror the placements on the 2nd column from the right, with the remaining 2 parts.

34. Locate 1 white 1x6 tile and place it horizontally on the front row. Locate 4 white 1x1 tiles with vertical clip and 1 white 1x2 slope tile. Place the parts in the following order working horizontally left to right on the back row, orienting the clip hands vertically front and back – 1x1 tile with vertical clip, 1x1 tile with vertical clip, 1x2 slope tile horizontally with the slope facing back, 1x1 tile with vertical clip, 1x1 tile with vertical clip.

35.1. Make a part. Locate 1 white 6x6 modified plate with round corners and 4 feet. Flip the part upside-down. There is a recessed cross of 6x6 anti-studs. Connect 1 white 2x6 plate horizontally and horizontally centered and aligned.

35.2. Locate 2 white 2x2 plates with bottom pin. Turn the parts so the pin faces the ceiling, and place 1 in the back center 2x2 recessed section. Then place the other symmetrically mirrored on the front center 2x2 recessed section.

With the Sleeping Quarter Pod horizontal with the row of placed pieces from step 34 in back, place the part assembled with the pins facing right and at the 3 & 9 o’clock positions, into the pinholes of the red orange panel window on the left side of the Sleeping Quarter Pod.

36.1. Make a part. Locate 1 black 1x6 tile and put it horizontally upside-down in front of you.

36.2. Locate 1 red orange 1x2 plate and connect it horizontally and horizontally centered on the tile. Locate 2 black 1x2 plates with bar on the long side with closed ends and connect them horizontally on the left and right of the PPP with the bar overhanging to the front.

36.3. Locate 1 transparent black 6x5x3 1/3 curved panel. Orient the panel horizontally with the row of studs pointed down with the bow of the curve pointed to the back, then connect it aligned on top the PPPs.

Place the part with the bars down, into the vertical clips of the Sleeping Quarters Pod back row. Now you can close the top of the Sleeping Quarters Pod.

Congratulations! The first Pod of the Space Station is complete!

Now you can connect the Pod to the main ring, locating any Space Station connection ports, where the 2 pins face outward horizontally.

The instructions show the Sleeping Quarters Pod being connected on the Space Station Central Hub at the 7:30 location, with the Shuttle connected at 9 o'clock.

Instruction Book 4 – Build the Maintenance Drone, the Satellite and the Biodome Pod.

The first page shows all the builds of the set faded back with the satellite module and the biodome in full color indicating that is what is to be built.

The second page shows an inset illustration in the top shows that none of the modules have to be placed in any specific location, opening up the imagination to place the modules anywhere on the central ring. A bottom inset illustration shows how to build a linear space train by connecting modules in a row.

The last page with building instructions shows a hand emptying bag 5 and the standard safety warning.

Bag 5
Group 14, Steps 1 through 7. Build the Maintenance Drone!

1. Locate 1 black 1x3 rounded plate and 2 transparent orange 1x1 round plates. Connect a 1x1 round plate under the left and right studs of the horizontal 1x3 rounded plate.

2. Locate 1 transparent light blue 1x1 round tile, 1 white 1x1 brick with 1 side stud and 1 light grey 1x1 technic brick with axle hole. Place the 1x1 round tile on the side stud of the 1x1 brick and place it on the left stud of the 1x3 part with the tile pointed left. Place the 1x1 technic brick with the axle hole oriented front-to-back to the right of the PPP.

3. Locate 1 yellow orange 1x2 tile and place sticker #1 with the diagonal black and yellow orange hazard markings on top horizontally. Place the 1x2 tile on top of the PPPs.

4.1. Locate 1 white 2x2 truncated cone and insert 1 yellow 3L axle into the center tube on the anti-stud side of the 2x2 truncated cone.

4.2. Locate 1 black 1x1 round tile with bar and place it on the stud of the 2x2 truncated cone. Insert the axle from the back of the 1x1 axle brick in the center of the part, so there is a 1L axle in front.

5. Locate 1 black 1x1 round tile with bar and place it on a 2nd white 2x2 truncated cone. Then insert the axle in the front into the center tube on the anti-stud side of the 2x2 truncated cone.

6. Locate 2 black 1L bars with clips and 2 dark grey robot arms with clip and bar hole. With the elbows of the 2 robot arms down, clip 1 robot arm to each of the bars pointing front and back. Insert one 1L bar with clip into the bar holes of each robot arm.

7. Locate 1 white 1x1 round tile with black and metallic pink battery charge symbol and place it on 1 transparent purple satin 1x1 round brick. Then place it on the rightmost stud of the drone.

Congratulations! The Maintenance Drone is complete! Now on to the Satellite!

Group 15, Steps 1 through 22. Build the Satellite.

1. Locate 1 black 5x2x2 1/3 bracket. Orient this horizontally, with the high side 2x3 section on the left, and the lower 2x2 section on the right.

2. Locate 1 black 1x2x2 window frame. This part has a flat side and an open side. Place it vertically on the left column of the 2x2 lower section, with the open side to the left.

3. Locate 1 white 2x4 plate and connect it horizontally under the left high side 2x3 section, with a remaining 2x2 section extending left.

4. Locate 1 black 5x2x2 1/3 bracket. Orient this horizontally, with the “high” side 2x3 section on the right and connect it to the 2x2 section of the PPP.

5. Locate 2 black 1x2x2 window frames. Place the 1st window frame vertically on the right column of the left lower section of 2x2 studs, with the open side facing right. Place the 2nd window frame to the left of the PPP with the open side facing left.

6. Locate 1 dark grey 2x10 plate and place horizontally on top of the build, with the right edge aligned with the flat side of the window frame on the right. This will overhang 1 column on the left.

7. Flip the build over to upside-down keeping the orientation the same. Locate 4 light grey 2x2 round plates. Make 2 stacks of 2 round plates. Place the 1st stack of 2x2 round plates on the leftmost 2x2 anti-studs. Place the 2nd stack of 2x2 round plates on the rightmost 2x2 anti-studs.

8. Flip the build back to right-side up and horizontal. Make sure the left side still has the 1 column overhang. Locate 1 red orange 1x6x 4 1/3 panel with window and 4 pinholes. Place it vertically centered on the rightmost column with the flat side facing left. Locate 1 black 1x2x2 window frame, and place it on the column to the left of the PPP with the flat edge on the right.

9. Locate 1 black 5x2x2 1/3 bracket. Orient this horizontally, with the “high” side 2x3 section on the right and connect it aligned right, on top of the PPPs, with the lower section connecting to the build on the left. This will leave a 2x6 section on the left of the connected piece.

10. Locate 4 light grey 1x2 plates with 2 side clips and 1 light grey 2x2 round plate. Place the 1st 1x2 plate with 2 side clips horizontally on the first 2 studs from the left in the back row with the clips facing back. Place the 2nd 1x2 plate with 2 side clips horizontally in front of the PPP with the clips facing front. Place the 2x2 round plate aligned to the right of the PPPs. Place the 3rd 1x2 plate with 2 side clips horizontally to the right of the 2x2 round plate on the back row, with the clips facing back. Place the 4th 1x2 plate with 2 side clips in front of the PPP with the clips facing front.

11. Locate 2 red orange 4L rollercoaster tracks. The rollercoaster track piece is 4 studs horizontally, with bars that run the entire horizontal length of the piece in the front and back. These are connected by recessed vertical 1x2 section of studs on either end. Place the 1st track horizontally aligned to the left side. Place the 2nd track to the right of the PPP.

12. Locate 2 white 2x2 plates. Place them in the 2x2 centers of the 2 placed tracks.

13. Locate 2 white 1x8 tiles and place them aligned horizontally on the 2 rows in the center of the rollercoaster tracks.

14.1. Make a part. Locate 1 light grey 1x2-2x2 bracket with the studs hanging down. Place 1 metallic gold 1x2 plate with bar closed end horizontally on the top row of the 2x2 vertical section of the bracket with the bar upright at the top.

14.2. Place 1 sand blue 2x2 curved slope tile aligned on top of the PPP with curve slope facing down.

Then on the higher 2x3 section of the Satellite build, place the 1x2 plate of the part vertically on the left column, with the curve slope pointed down to the 2 tiles between the rollercoaster track.

15. Locate 2 transparent orange 1x1 sloped tiles and 1 sand blue 2x2 curved slope tile. Place the 1st 1x1 slope tile on the back stud of the right column, with the slope facing back. Place the other 1x1 slope tile on the front stud of the right column, with the slope facing front. Place the 2x2 curved slope tile on the left 2 columns, with the curve slope facing right. Set the Satellite build aside.

16. Locate 1 black 2x2 round plate with octagonal bar frame and place 1 light grey 2x2 round plate in the center.

17. Locate 1 red orange 6x6 webbed radar dish and place it aligned on top of the PPP.

18. Locate 2 black 1x2 plates with vertical clip. Place them side-by-side on the 2x2 center section of the webbed radar dish. Be sure both clips are in the front.

19. Locate 1 light grey antenna bar with anti-stud. Flip the radar dish over, and insert the bar into the center tube of the part. Leave the radar dish part with the bar in the middle pointed towards the ceiling.

20. Build 4 duplicate parts. Locate 4 black bar holders with clip and 4 minifigure wands (there are 2 sprues with 2 wands each. Break these off prior to building.) Insert the larger end of each wand into each of the holes of the 4 bar holders with clip. Clip 1 of these parts on the octagonal bar frame at the 12, 3, 6 and 9 o'clock positions. Then push the wands towards the center vertical bar.

21. With the radar dish part pointed to the left, connect the clips on the right of the Satellite dish part to the bar of the Satellite build set aside in step 15. This will be on the left edge of the "higher" side 2x3 section of the build.

22. Locate 4 black 7x3 flags with bar handle and hexagonal gold solar panel pattern. Clip 1 flag with bar into each of the sets of 2 clips in the back and in the front rows, with the gold solar panel pattern facing up.

Now clip 1 of the Drone arms unto the back rail of the rollercoaster track.

Congratulations! The Satellite is now complete! The next page shows the satellite being connected to the Space Station Central Ring on the opposite side of the attached Shuttle.

Group 16, Steps 1 through 25. Build the Biodome.

1. Locate 1 white 2x6 plate with inverted slope sides. This has a recessed 2x4 section in the center. Orient this horizontally.

2. Locate 2 light grey 1x2 technic bricks with 1x2 plate and pinhole. Place the 2 technic brick 1x2 plate sections horizontally side-by-side on the back row of the recessed 2x4 studs in the center of piece from the previous step. The 1x2 technic brick should overhang to the back, with the pinholes pointing back.

3. Locate 1 white 1x4 plate and place it horizontally in front of the PPPs, in the recessed 2x4.

4. Locate 1 white 2x4 plate and place it horizontally and horizontally centered on the front 2 rows of the Biodome build. This will make all studs level to each other - a back row of 4 studs and middle and front rows of 6 studs.

5. Locate 1 red orange 1x6x 4 1/3 panel with window and 4 pinholes. With the row of 4 studs on top and the flat surface facing back. Insert 1 black 1x2 brick with pin into the lower pinhole of the panel from the front. Place the panel horizontally on the back row of the build, with the 1x2 brick connecting to the middle row.

6. Locate 2 light grey 1x2 log bricks. Place them horizontally on the left and right of the 1x2 brick on the middle row.

7. Locate 2 light grey 1x2 log bricks and place them side-by-side horizontally centered on the middle row on top of the PPPs.

8. Locate 1 black 1x1 brick and1 light grey 1x1 technic brick with axle hole. Place the 1x1 technic brick with axle hole on the leftmost stud of the middle row, with the axle hole of the brick pointed left. Place the 1x1 brick on the rightmost stud of the middle row.

9. Locate 1 brown 1x4 tile and 1 dark orange 1x4 plate. Stack the 1x4 tile horizontally aligned on the 1x4 plate, and then place the part horizontally centered on the front row.

10. Locate 1 dark grey 1x6 plate and place it horizontally aligned on the middle row. Locate 2 brown 1x1x1 2/3 bricks with 2 vertical studs on the side. Place the 1st 1x1x1 2/3 brick on the leftmost stud of the front row with the studs pointing left. Place the 2nd 1x1x1 2/3 brick symmetrically on the right.

11. Locate 2 white 1x2x2 tall brick with 4 studs on one side. Place them side-by-side horizontally centered on the middle row with the studs facing front. This will create a 2x4 section of front facing studs in the middle of the build.

12. Locate 1 red orange 1x2 plate and place it horizontally centered on top of the PPPs. Locate 1 black 2x2 plate and place it on top of the 1x2 plate and connecting to the back row.

13. Locate 1 light grey 1x1 technic brick with axle hole, 1 black 1x1 brick and 4 transparent orange round plates. Place 1 round plate on top of the 1x1 technic brick and connect the other on the bottom of the brick. Place this part on the leftmost stud of the middle row with the axle hole pointed left. Place 1 round plate on top of the 1x1 brick and connect the other on the bottom of the brick. Place the part on the rightmost stud on the middle row.

14. Locate 2 red 2L axles. Insert the axles into the vertical axle holes on the left side middle row of the build.

15.1. Make a part. Locate 1 tan 4x4 plate.

15.2. Locate 2 brown 2x4 plates and place them vertically side-by-side aligned on top of the 4x4 plate. These should not overhang. Connect the part to the 2x4 section of front facing studs from step 11, in the middle of the build, with the bottom of the stacked plates resting on the tile in the front row.

16. Locate 2 brown 1x1x1 2/3 bricks with 2 vertical studs on the side and 2 dark orange 1x1 short bricks. Stack 1 short brick on top of each 1x1x1 2/3 brick. Place the 1st stack on the leftmost stud of the front row with the studs pointed left. Place the 2nd stack on the rightmost stud in the front row with the studs pointed right.

17. Locate 2 transparent 1x1 slope tiles and 1 red orange 1x2 plate. Place the 1st 1x1 slope tile on the leftmost stud of the back row with the slope facing left. Place the 2nd 1x1 slope tile on the rightmost stud with the slope facing right. Place the 1x2 plate horizontally and horizontally centered on the middle row.

18. Locate 2 white 1x1 bricks with 1 side stud and 2 black 1x1 bricks. Place the 1st 1x1 brick with side stud on the leftmost stud of the middle row, with the stud facing left. Place 1 black 1x1 brick to the right of the PPP. Repeat the placement with both pieces symmetrically on the right.

19. Locate 1 brown 1x6 brick and place it horizontally aligned on the front row.

20.1. Build 2 duplicate parts. Locate 2 white 2x3 curved slopes and 1 white 2x2 plate. Place 1 curved slope anti-studs notched section on the right column of the 2x2 plate with the curve facing right. This will overhang to the right by 2 columns.

20.2. Place the second 2x3 curved slope on the left column of the 2x2 plate symmetrically mirroring the PPP, with the curve facing left. This will overhang to the left by 2 columns. This will complete a full 2x6 arch with no studs. Repeat steps 20.1 and 20.2 to build a 2nd duplicate part.

Place the 1st 2x6 arch horizontally aligned on the front 2 rows of the build. Connect the 2nd 2x6 arch upright and vertical on the right-facing side studs, so it is even with the front of the build. The front face of the build should be flat with a 4x4 studs section in the middle.

21.1. Make a part. Locate 1 white 1x2 tile and place it horizontally centered on 1 white 1x4 plate.

21.2. Locate 2 white 1x2 curved slope tiles. Place the 1st curved tile on the left stud of the 1x4 plate with the curved slope facing left. Place the 2nd 1x2 curved slope tile on the right stud of the 1x4 plate with the curved slope facing right. Then connect the part vertically aligned onto the column of side studs on the left edge of the build.

22. Locate 1 white 1x1 slope tile and place it upright on the top side stud on the left edge of the Biodome, with the slope facing up. Locate 2 white technic axle and pin #1 connectors. The technic #1 connector is a little unique, it has a pinhole on one end that is 90-degrees oriented to the axle hole on the other end. Place 1 on each of the axles pointed left, so that the pinhole is front to back on the left side of the Biodome. Locate 2 black 1L pins with hinge finger. Place 1 pin into each pinhole of the PPP with the hinge fingers horizontal and pointed to the front.

23. Lay the Biodome so that the hinge fingers are now in the back and pointed up. There will be a center slightly recessed 4x4 stud area. Locate 3 green 1x1 round plates with petals. Place them on the 1st and 2nd studs of the back row from the right. Place the 3rd 1x1 round plate on the stud in front of the rightmost back PPP.

24. Locate 1 orange pumpkin and place it on the leftmost stud of the front row. Place 1 green 1x1 round plate with petals on the stud on top of the pumpkin. Locate 2 bright green leaf plates and 2 red technic balls. Place 1 technic ball on the stud of each leaf plate. Place the 1st leaf and ball part on the leftmost stud of the back row with the 3 leaves pointed to the front right. Place the 2nd leaf and ball part on the rightmost stud in the front row, with the leaves pointed back left.

25. Locate 2 lime green grass stems. These pieces have a smaller leaf pointing out of one side of the stem and a curled top with pinhole. Place the 1st grass stem on the stud in the 2nd column from the right, 3rd row from the front. Place the 2nd grass stem on the stud in the 2nd column from the left 2nd row from the front, next to the pumpkin.

26. Locate 1 transparent 8x8x3 canopy dome with dual hinge fingers, and connect the hinge fingers to the vertical hinges in the back of the Biodome. There will be a “click” as these hinges lock together, and the dome can snap down towards the center and cover the foliage within.

Congratulations! The Biodome is complete! The next page of the instruction shows the Biodome connecting to the Space Station ring at the 6 o’clock position. To connect it to the Space Station ring, locate the 2 pins and with the Biodome hinges located on the left, the horizontal pins will align the pinholes on the Biodome airlock frame.

Instruction Book 5 – Build the Repair Workshop and the Exploration Science Lab Pods.

The first page shows all the builds of the set faded back with the Repair Workshop and the Science Lab in full color indicating that is what is to be built.

The second page shows an inset illustration in the top shows that none of the modules have to be placed in any specific location, opening up the imagination to place the modules anywhere on the central ring. A bottom inset illustration shows how to build a linear space train by connecting modules in a row.

The last page with building instructions shows a hand emptying bag 5 and the standard safety warning.

Bag 6
Group 15, Build the Astronaut with heavy duty gear and steps 1 through 17 The Repair Workshop Pod.

Locate the following parts and build the astronaut minifigure!

Build the heavy duty pack.
1. Locate 1 bright yellow orange armor breastplate with shoulder pads, 4 studs on back with reddish orange and black classic space logo and silver armor plates pattern.

2. Place 1 black 1x2 plate with bar on side with closed ends horizontally on the top row of the back of the armor.

3. Place 1 bright yellow orange 2x2 curved slope tile on top of the PPP with the curve connecting to the bottom row and facing down.

Locate the following parts and build the astronaut minifigure!

1 female minifigure head with a wide toothy smile.
1 white minifigure torso with reddish orange and black Classic Space logo with a sand blue panel with gold lines and dark blue trim pattern with bright yellow orange arms and dark blue hands.
1 dark blue minifigure hips with white legs, a gold and sand blue armor panel, a reddish orange triangle and stripe on the left leg, with sand blue and dark blue toes prints.

1. Place the Minifigure torso on the Minifigure legs.

2. Then place the heavy duty pack, and connect the Minifigure head to the torso.

3. Locate 1 headgear space helmet with heavy brim and attach 1 transparent clear visor and place it on the Minifigure. The next astronaut is complete!

Steps 1 through 17 The Repair Workshop Pod!

1. Locate 1 dark grey 6x8 plate. Orient it horizontally.

2. Locate 2 black 1x2 plates with bar on the long side with closed ends and place them side-by-side horizontally centered on the back row with the bar to the back. The bar will overhang to the back. Locate 2 dark grey 1x2 inverted curved slopes with 1x2 plate. This piece is a 1x2 inverted curved slope with an attached 1x2 plate centered opposite of the inverted slope. Place the pieces on the back row to the left and right of the PPPs with the inverted curved slope to the back. These 2 pieces will extend 1 row to the back.

3. Locate 4 dark grey 1x2 inverted curved slope with 1x2 plate. Place 2 of the 1x2 curved slopes vertically on the leftmost column, skipping the frontmost stud, with the inverted curves facing left. These will overhang to the left by 1 column. Repeat symmetrically on the right with the other 2 1x2 inverted curved slopes. These will overhang to the right by 1 column.

4. Locate 2 black 1x2 plates with bar on the long side with closed ends and place them side-by-side horizontally centered on the front row with the bar to the front. The bar will overhang to the front. Locate 2 dark grey 1x2 inverted curved slopes with 1x2 plate and place them on the front row to the left and right of the PPP with the inverted curved slope to the front. These 2 pieces will extend 1 row to the front.

5. Locate 2 dark grey 1x8 plates and 2 light grey 1x4 plates. Place the 1st 1x8 plate horizontally aligned on the 2nd row from the back, covering the 1 plate row of 8 studs. Place the 2nd 1x8 plate horizontally aligned on the 2nd row from the front covering the 1 plate row of 8 studs. The 1x8 plates should not cover the bars on the back or front.

Place the 1st 1x4 plate vertically on the 2nd column from the left, covering the 1 plate column of 4 studs. Symmetrically mirror the placement of the 2nd 1x4 plate vertically on the 2nd column from the right, covering the 1 plate column of 4 studs. In the center of the Repair Workshop build is a 2 plate recessed 4x6 area.

6.1. Build 2 duplicate parts. Locate 1 red orange 1x8 plate. Orient the 1x8 plate horizontally in front of you. Place 1 white 1x6 brick horizontally centered on top.

6.2. Locate 2 white 1x1 short bricks and place them on the left and right studs of the 1x8 plate. Repeat steps 6.1 and 6.2 to build a 2nd duplicate part.

Place the 1st part horizontally and horizontally aligned on the split back row of studs. The part should bridge over the horizontal bars facing back. Place the 2nd part on the split front row of studs. The 2nd part should bridge over the horizontal bars facing front. Set the Repair Workshop Pod aside.

7. Locate 1 light grey 1x6 technic brick with 5 pinholes. Insert 1 black 2L pin into the center pinhole, from the front.

8.1. Locate 1 light grey 1x2x2 brick.

8.2. Place sticker #7 on the brick vertically, with airlock controls – a silver beveled frame square on the upper left with a dark azure center, a silver riveted square with a silver dial knob turned slightly angled in the lower left. 2 silver framed level gauge readings with dark grey connected conduit on the right side of the sticker.

Then place the brick horizontally centered on top of the 1x6 technic brick with the sticker facing front.

9. Locate 4 light grey 1x1 round bricks. Build 2 stacks of 2 round bricks. Place the 1st stack on the stud to the left of the 1x2x2 brick. Place the 2nd stack of 2 round bricks on the stud to the right of the 1x2x2 brick.

10. Locate 2 white 1x2x2 bricks. Place the 1st 1x2x2 brick horizontally on the leftmost stud of the assembly. This will overhang by 1 stud to the left. Place the 2nd 1x2x2 brick symmetrically on the right.

11. Locate 1 white 1x8 plate and place it horizontally on top of the sub-build.

12. Locate 1 dark grey 1x2 technic brick with pinhole. Insert 1 black 2L pin into the pinhole of the 1x2 brick and then place it horizontally centered on top of the PPP, with the pin pointed to the front. Locate 2 light grey 1x2 rounded plates. Place the 1st 1x2 rounded plate horizontally to the left of the 1x2 technic brick. Place a 2nd 1x2 rounded plate horizontally to the right of the 1x2 technic brick.

13. Locate 1 red orange 1x6x 4 1/3 panel with window and 4 pinholes. Orient the part so the row of 4 studs is on top, and the flat side is facing front. Insert the pins facing front from the assembly into the top and bottom pinholes in the window of the panel. Push it together to meet the other stacked bricks.

14. Place 1 black 2x2 plate horizontally centered on the top of the build connecting the panel to the wall of stacked bricks.

15. Locate 2 transparent 1x1 slope tiles. Place them on the studs on top of the panel to the left and right of the PPP, with the left slope facing left and the right slope facing right. Place 1 red orange 1x2 plate horizontally on the back row of the 2x2 plate on the top of the build.

16. Rotate the assembly so the flat side of the panel is on the right. Locate the Repair Workshop Pod set aside in step 10.2 and orient it horizontally. Place the assembly on the 2 right columns of the Repair Workshop Pod. The assembly will connect onto the short bricks on the back and front rows on the 2nd column from the right and the rightmost column of 4 studs of the inverted curved slopes.

17. Locate 3 black 1x2 bricks with side horizontal clip. Place them horizontally side-by-side on the row in front of the back row starting from the right, with the horizontal clips facing front. Leave the leftmost stud uncovered.

Group 16, Steps 18 through 32. Continue building the Repair Workshop Pod!

18. Locate 1 bright yellow orange 1x6 tile and place it horizontally aligned on top of the 3 PPPs.

19. Locate 2 light grey 1x2x2 bricks, 1 light grey 1x2x2 tall brick with 4 studs on one side and 1 light grey 1x2 rounded plate. Place the 1x2x2 tall brick aligned on top of the 1x2 rounded plate. Then place the part horizontally centered on the back row of 6 studs, skipping the leftmost recessed stud, with the 4 studs facing front. Then place the 2 1x2x2 bricks horizontally to the left and right side of the PPP.

20.1. Locate 1 black 2x4 tile and orient it horizontally.

20.2. Place sticker #2 with the illustration of the Space Station ring and tower image with white classic space logo in the upper left top corner and computer readout screen, centered horizontally on the 2x4 tile then place the tile centered on the 4 studs facing front.

21. Now make the drill. Locate 1 pearl dark grey 1L bar with tops stud and 2 open side studs. Place 1 silver spiral horn into one of the open side studs. Place the finished drill into the rightmost horizontal clip facing front from step 17. Locate 1 black Minifigure hammer and 1 silver wrench with screwdriver end. Place the hammer with the hammer head up into the leftmost horizontal clip. Place the wrench into the middle horizontal clip with the wrench section up.

22. Locate 3 transparent black 1x2x2 flat panels with side supports with open studs. Place them side-by-side horizontally on the front row of 6 studs starting from the right and moving to the left, with the flat panels facing the front. Set the Repair Workshop Pod aside.

23. Locate 1 light grey 1x6 technic brick with 5 pinholes. Insert 1 black 2L pin into the center pinhole, from the front.

24.1 Locate 1 light grey 1x2x2 brick.

24.2 Place sticker #7 on the brick vertically, with airlock controls – a silver beveled frame square on the upper left with a dark azure center, a silver riveted square with a silver dial knob turned slightly angled in the lower left. 2 silver framed level gauge readings with dark grey connected conduit on the right side of the sticker.

Then place the brick horizontally centered on top of the 1x6 technic brick with the sticker facing front.

25. Locate 4 light grey 1x1 round bricks. Build 2 stacks of 2 round bricks. Place the 1st stack on the stud to the left of the 1x2x2 brick. Place the 2nd stack of 2 round bricks on the stud to the right of the 1x2x2 brick.

26. Locate 2 white 1x2x2 bricks. Place the 1st 1x2x2 brick horizontally on the leftmost stud of the assembly. This will overhang by 1 stud to the left. Place the 2nd 1x2x2 brick symmetrically on the right.

27. Locate 1 white 1x8 plate and place it horizontally on top of the sub-build.

28. Locate 1 dark grey 1x2 technic brick with pinhole. Insert 1 black 2L pin into the pinhole of the 1x2 brick and then place it horizontally centered on top of the PPP, with the pin pointed to the front. Locate 2 light grey 1x2 rounded plates. Place the 1st 1x2 rounded plate horizontally to the left of the 1x2 technic brick. Place a 2nd 1x2 rounded plate horizontally to the right of the 1x2 technic brick.

29. Locate 1 red orange 1x6x 4 1/3 panel with window and 4 pinholes. Orient the part so the row of 4 studs is on top, and the flat side is facing front. Insert the pins facing front from the assembly into the top and bottom pinholes in the window of the panel. Push it together to meet the other stacked bricks.

30. Place 1 black 2x2 plate horizontally centered on the top of the build connecting the panel to the wall of stacked bricks.

31. Locate 2 transparent 1x1 slope tiles. Place them on the studs on top of the panel to the left and right of the PPP, with the left slope facing left and the right slope facing right. Place 1 red orange 1x2 plate horizontally on the back row of the 2x2 plate on the top of the build.

32. Rotate the assembly so the flat side of the panel is on the left. Locate the Repair Workshop Pod set aside in step 22 and orient it horizontally. Place the assembly on the 2 left columns of the Repair Workshop Pod. The assembly will connect onto the short bricks on the back and front rows on the 2nd column from the left and the leftmost column of 4 studs of the inverted curved slopes.

Group 17, Steps 33 through 36. Finish Building the Repair Workshop Pod!

33. Locate 2 white 1x8 plates and place them horizontally on the front and back rows of the Repair Workshop Pod.

34. Build 4 duplicate parts. Locate 1 white 1x3 plate. Place a 4x1x1 2/3 curved slope on top, aligning the point of the curved slope on the 1x3 plate. This will create a 1 brick high notch on the flat side of the part, opposite of the curve. Build 3 more duplicate parts.

Place the 1st curved slope part vertically aligned on the back 4 studs of the 2nd column from the left, with the curve facing back. Symmetrically mirror the placement of the 2nd curved slope part vertically in front of the PPP, on the frontmost 4 studs of the same column with the curve facing front. These should not overhang.

Symmetrically mirror the placements on the 2nd column from the right, with the remaining 2 parts.

35. Locate 1 white 1x6 tile and place it horizontally on the front row. Locate 4 white 1x1 tiles with vertical clip and 1 white 1x2 slope tile. Place the parts in the following order working horizontally left to right on the back row, orienting the clip hands vertically front and back – 1x1 tile with vertical clip, 1x1 tile with vertical clip, 1x2 slope tile horizontally with the slope facing back, 1x1 tile with vertical clip, 1x1 tile with vertical clip.

36.1. Make a part. Locate 1 white 6x6 modified plate with round corners and 4 feet. Flip the part upside-down. There is a recessed cross of 6x6 anti-studs. Connect 1 white 2x6 plate horizontally and horizontally centered and aligned.

36.2. Locate 2 white 2x2 plates with bottom pin. Turn the parts so the pin faces the ceiling, and place 1 in the back center 2x2 recessed section. Then place the other symmetrically mirrored on the front center 2x2 recessed section.

With the Repair Workshop Pod with the row of placed pieces from step 35 in back, place the part assembled with the pins facing right and at the 3 & 9 o'clock positions, into the pinholes of the red orange panel window on the left side of the Repair Workshop Pod.

37.1. Make a part. Locate 1 black 1x6 tile and put it horizontally upside-down in front of you.

37.2. Locate 1 red orange 1x2 plate and connect it horizontally and horizontally centered on the tile. Locate 2 black 1x2 plates with bar on the long side with closed ends and connect them horizontally on the left and right of the PPP with the bar overhanging to the front.

37.3. Locate 1 transparent black 6x5x3 1/3 curved panel. Orient the panel horizontally with the row of studs pointed down with the bow of the curve pointed to the back, then connect it aligned on top the PPPs.

Place the part with the bars down, into the vertical clips of the Repair Workshop Pod back row. Now you can close the top of the Repair Workshop Pod.

Congratulations! The Second Pod of the Space Station is complete!

The next image is of the Repair Workshop Pod being placed on the Space Station ring between the Biodome and the Satellite.

Bag 7
Group 18, Build the Astronaut with Solar Power pack and steps 1 through 21 the Exploration Science Lab Pod!

Locate the following parts and build the astronaut minifigure!

1. Locate 1 bright green minifigure neck bracket with 4 back studs and front harness.

2. Locate 2 black 1x1 round plates with bar on side. Place them with the bar vertically on the top row of the back studs of the minifigure neck bracket. Turn the bars slightly away from the center.

3. Locate 1 black 2x2 curved slope tile on top of the PPPs with the curve connecting to the bottom row and facing down.

4. Build 2 duplicate parts. Locate 1 black 1x2 tile with gold hexagonal solar panel pattern and place it horizontally aligned on top of 1 black 1x2 plate with 1 side clip. Build a 2nd duplicate part with the same pieces. Then clip the parts on the vertically pointed bars on the back of the neck bracket with the tile facing the front.

Now find 1 male minifigure head with a space eye monocle and side smile.
1 white minifigure torso with reddish orange and black Classic Space logo with a sand blue panel with gold lines and dark blue trim pattern with dark green arms and dark blue hands.
1 dark blue minifigure hips with white legs, a gold and sand blue armor panel, a reddish orange triangle and stripe on the left leg, with sand blue and dark blue toes prints.

1. Place the Minifigure torso on the Minifigure legs.

2. Then place the Solar Power pack, and connect the Minifigure head to the torso.

3. Locate 1 dark green city space minifigure astronaut helmet with molded neck base. Place the transparent clear visor onto the helmet and then place it on the Minifigure. The next astronaut is complete!

Steps 1 through 21. The Exploration Science Lab Pod!

1. Locate 1 dark grey 6x8 plate. Orient it horizontally.

2. Locate 2 black 1x2 plates with bar on the long side with closed ends and place them side-by-side horizontally centered on the back row with the bar to the back. The bar will overhang to the back. Locate 2 dark grey 1x2 inverted curved slopes with 1x2 plate. This piece is a 1x2 inverted curved slope with an attached 1x2 plate centered opposite of the inverted slope. Place the pieces on the back row to the left and right of the PPPs with the inverted curved slope to the back. These 2 pieces will extend 1 row to the back.

3. Locate 4 dark grey 1x2 inverted curved slope with 1x2 plate. Place 2 of the 1x2 curved slopes vertically on the leftmost column, skipping the frontmost stud, with the inverted curves facing left. These will overhang to the left by 1 column. Repeat symmetrically on the right with the other 2 1x2 inverted curved slopes. These will overhang to the right by 1 column.

4. Locate 2 black 1x2 plates with bar on the long side with closed ends and place them side-by-side horizontally centered on the front row with the bar to the front. The bar will overhang to the front. Locate 2 dark grey 1x2 inverted curved slopes with 1x2 plate and place them on the front row to the left and right of the PPP with the inverted curved slope to the front. These 2 pieces will extend 1 row to the front.

5. Locate 2 dark grey 1x8 plates and 2 light grey 1x4 plates. Place the 1st 1x8 plate horizontally aligned on the 2nd row from the back, covering the 1 plate row of 8 studs. Place the 2nd 1x8 plate horizontally aligned on the 2nd row from the front covering the 1 plate row of 8 studs. The 1x8 plates should not cover the bars on the back or front.

Place the 1st 1x4 plate vertically on the 2nd column from the left, covering the 1 plate column of 4 studs. Symmetrically mirror the placement of the 2nd 1x4 plate vertically on the 2nd column from the right, covering the 1 plate column of 4 studs. In the center of the Exploration Science Lab build is a 2 plate recessed 4x6 area.

6. Locate 1 blue 1x6 plate. Place it horizontally centered on the 2nd row from the back.

7. Locate 1 white 1x6 brick and 1 sand blue 2x2 tile with 2 studs on one edge. Place the 1x6 brick horizontally centered in front of the PPP. This will be located in the recessed area in the center of the build. Place the back row of the 2x2 tile horizontally centered in front of the 1x6 brick, with the row of 2 studs to the front.

8. Locate 2 black 2x2 jumper plates and 2 black 1x2 jumper plates. Place the 2 1x2 jumper plates horizontally and horizontally centered on the front and back rows of raised 2x6 section of studs slightly back center of the build. Place the 1st 2x2 jumper to the left of the 2 horizontal 1x2 jumpers. Place the 2nd 2x2 jumper to the right of the 2 horizontal 1x2 jumpers.

9.1. Build 2 duplicate parts. Place 1 red orange 1x8 plate horizontally in front of you, then place 1 white 1x6 brick horizontally centered on the 1x8 plate.

9.2. Locate 2 white 1x1 short bricks. Place 1 short brick on the stud on both left and right sides of the PPP.

Place the 1st part horizontally and horizontally aligned on the split back row of studs. The part should bridge over the horizontal bars facing back. Place the 2nd part on the split front row of studs. The 2nd part should bridge over the horizontal bars facing front. Set the Exploration Science Lab Pod aside.

10. Locate 1 light grey 1x6 technic brick with 5 pinholes. Insert 1 black 2L pin into the center pinhole, from the front.

11.1. Locate 1 light grey 1x2x2 brick.

11.2. Place sticker #7 on the brick vertically, with airlock controls – a silver beveled frame square on the upper left with a dark azure center, a silver riveted square with a silver dial knob turned slightly angled in the lower left. 2 silver framed level gauge readings with dark grey connected conduit on the right side of the sticker.

Then place the brick horizontally centered on top of the 1x6 technic brick with the sticker facing front.

12. Locate 4 light grey 1x1 round bricks. Build 2 stacks of 2 round bricks. Place the 1st stack on the stud to the left of the 1x2x2 brick. Place the 2nd stack of 2 round bricks on the stud to the right of the 1x2x2 brick.

13. Locate 2 white 1x2x2 bricks. Place the 1st 1x2x2 brick horizontally on the leftmost stud of the assembly. This will overhang by 1 stud to the left. Place the 2nd 1x2x2 brick symmetrically on the right.

14. Locate 1 white 1x8 plate and place it horizontally on top of the sub-build.

15. Locate 1 dark grey 1x2 technic brick with pinhole. Insert 1 black 2L pin into the pinhole of the 1x2 brick and then place it horizontally centered on top of the PPP, with the pin pointed to the front. Locate 2 light grey 1x2 rounded plates. Place the 1st 1x2 rounded plate horizontally to the left of the 1x2 technic brick. Place a 2nd 1x2 rounded plate horizontally to the right of the 1x2 technic brick.

16. Locate 1 red orange 1x6x 4 1/3 panel with window and 4 pinholes. Orient the part so the row of 4 studs is on top, and the flat side is facing front. Insert the pins facing front from the assembly into the top and bottom pinholes in the window of the panel. Push it together to meet the other stacked bricks.

17. Place 1 black 2x2 plate horizontally centered on the top of the build connecting the panel to the wall of stacked bricks.

18. Locate 2 transparent 1x1 slope tiles. Place them on the studs on top of the panel to the left and right of the PPP, with the left slope facing left and the right slope facing right. Place 1 red orange 1x2 plate horizontally on the back row of the 2x2 plate on the top of the build.

19. Rotate the assembly so the flat side of the panel is on the left. Locate the Exploration Science Lab Pod set aside in step 9.2 and orient it horizontally. Place the assembly on the 2 left columns of the Exploration Science Lab Pod. The assembly will connect onto the short bricks on the back and front rows on the 2nd column from the left and the leftmost column of 4 studs of the inverted curved slopes.

20. Build the Science Equipment! Locate 1 white 1x1 round tile with black and metallic pink battery charge symbol, 1 transparent pink pearl 1x1 round brick, 1 transparent 1x1 round tile with light blue, dark turquoise, and white cell culture in petri dish pattern, and 1 dark grey 1x2 plate with 1 vertical clip.

Place the 1x1 white round tile on top of the 1x1 round brick, and then place the part on the left 2x2 jumper stud. Place the 1x1 transparent round tile on the stud of the 1x2 plate with clip then place the part, with the vertical clip in front, vertically on the 2 vertical jumper studs in the center.

21. Locate 1 magenta ice cream scoop and 1 transparent book cover with spaceship control panel, dark blue gauges, squares and triangle and white targeting circle on head-up display (HUD).

Clip the transparent book cover into the vertical clip in the center, and tilt it slightly towards the back. Place the ice cream scoops on the right 2x2 jumper.

Group 19, Steps 22 through 32

22. Locate 6 transparent black 1x2x2 flat panels with side supports with open studs. Place 3 of the 1x2 panels horizontally side-by-side on the back row starting from the left and moving to the right, with the flat panels facing back. Place the 3 remaining panels horizontally side-by-side on the front row starting from the left and moving to the right, with the flat panels facing front. The right column should be uncovered. Set the Exploration Science Lab Pod aside.

23. Locate 1 light grey 1x6 technic brick with 5 pinholes. Insert 1 black 2L pin into the center pinhole, from the front.

24.1. Locate 1 light grey 1x2x2 brick.

24.2. Place sticker #7 on the brick vertically, with airlock controls – a silver beveled frame square on the upper left with a dark azure center, a silver riveted square with a silver dial knob turned slightly angled in the lower left. 2 silver framed level gauge readings with dark grey connected conduit on the right side of the sticker.

Then place the brick horizontally centered on top of the 1x6 technic brick with the sticker facing front.

25. Locate 4 light grey 1x1 round bricks. Build 2 stacks of 2 round bricks. Place the 1st stack on the stud to the left of the 1x2x2 brick. Place the 2nd stack of 2 round bricks on the stud to the right of the 1x2x2 brick.

26. Locate 2 white 1x2x2 bricks. Place the 1st 1x2x2 brick horizontally on the leftmost stud of the assembly. This will overhang by 1 stud to the left. Place the 2nd 1x2x2 brick symmetrically on the right.

27. Locate 1 white 1x8 plate and place it horizontally on top of the sub-build.

28. Locate 1 dark grey 1x2 technic brick with pinhole. Insert 1 black 2L pin into the pinhole of the 1x2 brick and then place it horizontally centered on top of the PPP, with the pin pointed to the front. Locate 2 light grey 1x2 rounded plates. Place the 1st 1x2 rounded plate horizontally to the left of the 1x2 technic brick. Place a 2nd 1x2 rounded plate horizontally to the right of the 1x2 technic brick.

29. Locate 1 red orange 1x6x 4 1/3 panel with window and 4 pinholes. Orient the part so the row of 4 studs is on top, and the flat side is facing front. Insert the pins facing front from the assembly into the top and bottom pinholes in the window of the panel. Push it together to meet the other stacked bricks.

30. Place 1 black 2x2 plate horizontally centered on the top of the build connecting the panel to the wall of stacked bricks.

31. Locate 2 transparent 1x1 slope tiles. Place them on the studs on top of the panel to the left and right of the PPP, with the left slope facing left and the right slope facing right. Place 1 red orange 1x2 plate horizontally on the back row of the 2x2 plate on the top of the build.

32. Rotate the assembly so the flat side of the panel is on the left. Locate the Exploration Science Lab Pod set aside in step 22 and orient it horizontally. Place the assembly on the 2 right columns of the Exploration Science Lab Pod. The assembly will connect onto the short bricks on the back and front rows on the 2nd column from the right and the rightmost column of 4 studs of the inverted curved slopes.

Group 20, Steps 33 through 37

33. Locate 2 white 1x8 plates and place them horizontally on the front and back rows of the Exploration Science Lab Pod.

34. Build 4 duplicate parts. Locate 1 white 1x3 plate. Place a 4x1x1 2/3 curved slope on top, aligning the point of the curved slope on the 1x3 plate. This will create a 1 brick high notch on the flat side of the part, opposite of the curve. Build 3 more duplicate parts.

Place the 1st curved slope part vertically aligned on the back 4 studs of the 2nd column from the left, with the curve facing back. Symmetrically mirror the placement of the 2nd curved slope part vertically in front of the PPP, on the frontmost studs of the same column with the curve facing front. These should not overhang.

Symmetrically mirror the placements on the 2nd column from the right, with the remaining 2 parts.

35. Locate 1 white 1x6 tile and place it horizontally on the front row. Locate 4 white 1x1 tiles with vertical clip and 1 white 1x2 slope tile. Place the parts in the following order working horizontally left to right on the back row, orienting the clip hands vertically front and back – 1x1 tile with vertical clip, 1x1 tile with vertical clip, 1x2 slope tile horizontally with the slope facing back, 1x1 tile with vertical clip, 1x1 tile with vertical clip.

36.1. Make a part. Locate 1 white 6x6 modified plate with round corners and 4 feet. Flip the part upside-down. There is a recessed cross of 6x6 anti-studs. Connect 1 white 2x6 plate horizontally and horizontally centered and aligned.

36.2. Locate 2 white 2x2 plates with bottom pin. Turn the parts so the pin faces the ceiling, and place 1 in the back center 2x2 recessed section. Then place the other symmetrically mirrored on the front center 2x2 recessed section.

With the Exploration Science Lab Pod with the row of placed pieces from step 35 in back, place the part assembled with the pins facing right and at the 3 & 9 o’clock positions, into the pinholes of the red orange panel window on the right side of the Exploration Science Lab Pod.

37.1. Make a part. Locate 1 black 1x6 tile and put it horizontally upside-down in front of you.

37.2. Locate 1 red orange 1x2 plate and connect it horizontally and horizontally centered on the tile. Locate 2 black 1x2 plates with bar on the long side with closed ends and connect them horizontally on the left and right of the PPP with the bar overhanging to the front.

37.3. Locate 1 transparent black 6x5x3 1/3 curved panel. Orient the panel horizontally with the row of studs pointed down with the bow of the curve pointed to the back, then connect it aligned on top the PPPs.

Place the part with the bars down, into the vertical clips of the Exploration Science Lab Pod's back row. Now you can close the top of the Exploration Science Lab Pod!

Congratulations! The Third Pod of the Space Station is complete!

The next image is of the Exploration Science Lab Pod being placed on the Space Station ring on the next hub connection, next to the Satellite. The ring has quietly been rotated in the image, so that the placements of the finished modules have rotated. However, as these are all configurable to whatever locations you like, there is no "correct" connections of these on the Space Station ring! It is your own unique Space Station build!

Instruction Book 6 – Build the Space Bike and Landing Platform, and the Kitchen Pod.

The first page shows all the builds of the set faded back with the Space Bike and Platform and the Kitchen in full color indicating that is what is to be built.

The second page shows an inset illustration in the top shows that none of the modules have to be placed in any specific location, opening up the imagination to place the modules anywhere on the central ring. A bottom inset illustration shows how to build a linear space train by connecting modules in a row.

The last page with building instructions shows a hand emptying bag 8 and the standard safety warning.

Bag 8
Group 21, Build the Astronaut and Steps 1 through 17 The Space Bike.

Locate the following parts and build the astronaut minifigure!

1 male minifigure head with chiseled features and a slight smirk.
1 dark azure minifigure jet pack with short nozzles and stud.
1 white minifigure torso with reddish orange and black Classic Space logo with a sand blue panel with gold lines and dark blue trim pattern with dark azure arms and dark blue hands.
1 dark blue minifigure hips with white legs, a gold and sand blue armor panel, a reddish orange triangle and stripe on the left leg, with sand blue and dark blue toes prints.

4. Connect the Minifigure legs and torso.

5. Place the jet pack on the torso post and then place the Minifigure head on the torso.

6. Then locate 1 dark azure city space minifigure astronaut helmet with molded white neck base. Place the transparent clear visor onto the helmet with the trapezoid area on the top. Then add the helmet to the astronaut minifigure.

Steps 1 through 17. Build the Space Bike!

1. Locate 1 black 5x2x1 1/3 bracket. Flip the part over upside-down and orient it horizontally, with the high 2x3 area on the right and low 2x2 area on the left.

2. Locate 2 light grey 1x1 short bricks with half circle and side stud. Place the 1st 1x1 short brick on the right column, back row, of the low 2x2 section with the side stud pointed back. Place the 2nd 1x1 short brick in the row in front of the PPP with the side stud pointed to the front.

3. Locate 1 black 2x2 inverted curved tile and 1 black 2x3 plate. Connect the 2x2 inverted curved tile on top of the 2 1x1 short bricks, connecting to the leftmost column of the high 2x3 area. Connect the 2x3 plate horizontally to the right of the PPP. This will overhang 1 column to the right.

4. Flip the part over right-side up and oriented horizontally, with a high 2x3 section on the right and the stair step columns of plates created in the previous step on the left. Locate 1 white 1x2-1x2 bracket with the 2 side studs up and 1 red orange 1x2 tile. Place the 1x2 bracket vertically on the leftmost column with the 2 side studs facing left. Place the 1x2 tile vertically on the left column of the high 2x3 section.

5.1. Make a part. Locate 1 black 2x2 modified plate with 2 side studs and 1 white 2x2 curved slope tile. Orient the 2x2 modified plate with 2 side studs so the side studs are facing to the right. Place 1 white 2x2 curved slope tile aligned on top of the 2x2 modified plate with 2 side studs, with the curved slope facing left.

5.2. Locate 2 transparent orange 1x1 round tiles and place one on each side stud. Then place the part aligned on the 2x2 high section to the right of the 1x2 vertical tile place in the previous step, with the 1x1 round tiles faced right.

6. Locate 2 light grey 1x2x2 tall bricks with 4 studs on one side. Place the 1st 1x2x2 tall brick horizontally on the back row on the leftmost 2 columns, with the 4 studs facing the back. Place the 2nd 1x2x2 tall brick aligned and in front of the PPP in the front row with the 4 studs facing front.

7. Locate 1 light grey 1x2 -1x2 bracket with the 2 side studs down. Place the 1x2 bracket vertically on the leftmost column on top of the PPPs with the studs facing left.

8.1. Locate 1 white 2x2 curved slope tile.

8.2. Place Sticker #3 with a dark azure display with crosshair and level marks on the edges of a main screen with dials and buttons on either side with a dark azure bar across the bottom, on the tile. Orient the sticker to have the bar across the bottom on the lower side of the curved tile.

Then place the 2x2 curved slope tile on top of the parts from the previous step, with the left edges aligned on the left, with the stickered curve facing the right.

9.1. Build 2 duplicate parts. Locate 1 sand blue 1x2 plate with side rail, 1 black 1x2 plate with side vertical bar, 1 light grey 1x2 half circle jumper and 1 transparent light blue 1x1 round tile. Place the 1x2 plate with bar horizontally on top of the 1x2 plate with rail, with the bar and rail in the front.

9.2. Place the 1x2 half circle on top of the PPPs, with the half circle pointed to the front. Place the 1x1 round tile on the jumper. At the end of building this part, the rail, vertical bar, and the half circle should all be in front and the back will be 1 brick tall and flat.

Place the 1st part horizontally on the lower row of side studs on the left side, with the flat side up and the bar at the bottom of the part. Place the 2nd part horizontally on the upper row of studs with the bar at the top of the part. The 2 bars will point left.

10. Place 1 white 1x4 tile with 2 studs horizontally on the lower right row of the studs facing the front. This will bridge a gap in the center of the build.

11. Locate 1 black 4x3x1 arched mudguard and 1 dark grey 1x1 round plate with side bar. The mudguard has a 2x2 plate attached to the arch. Place the right column of the mudguard upright on the leftmost column of front-facing side studs, with the arch on the left. Place the 1x1 round plate with bar, upright on the top row rightmost front-facing side stud, with the bar pointed right.

12. Locate 1 sand blue 1x2 ingot tile, 1 dark grey 1x2 plate with bar with open ends and 1 white trapezoid flag with clips. Place the 1x2 ingot tile upright vertically on the leftmost column of the front-facing side studs. Clip the flag onto the 1x2 plate with bar. Place the 1x2 plate and flag part upright horizontally on the bottom row of front-facing side studs to the right of the PPP, with the flag overhanging in front.

13.1. Locate 1 white 2x2 curved slope tile.

13.2. Place sticker #5 with rounded corner red open triangle and bar with diagonal black lines and black background on the lower curve section of the 2x2 curved slope tile (The sticker is only 1x2 in size). Place the 2x2 curved slope tile aligned on to the stair step 2x2 section of front facing studs, with the curve up.

14. Rotate the Space bike build 180-degrees so the back is now the front, and the mudguard arch is in back right. Place 1 white 1x4 tile with 2 studs horizontally on the lower left row of the studs facing the front.

15. Locate 1 black 4x3x1 arched mudguard and 1 dark grey 1x1 round plate with side bar. The mudguard has a 2x2 plate attached to the arch. Place the left column of the mudguard on the upright leftmost column of front-facing side studs, with the arch on the left. Place the 1x1 round plate with bar, upright on the top row leftmost front-facing side stud, with the bar pointed left.

16. Locate 1 sand blue 1x2 ingot tile, 1 dark grey 1x2 plate with bar with open ends and 1 white trapezoid flag with clips. Place the 1x2 ingot tile vertically upright on the rightmost column of the front facing studs. Clip the flag onto the 1x2 plate with bar. Place the 1x2 plate and flag part horizontally upright on the bottom row of front facing studs to the left of the PPP, with the flag overhanging in front.

17.1. Locate 1 white 2x2 curved slope tile.

17.2. Place sticker #5 with rounded corner red open triangle and bar with diagonal black lines and black background on the lower curve section of the 2x2 curved slope tile (The sticker is only 1x2 in size). Place the 2x2 curved slope tile aligned on to the stair step 2x2 section of front facing studs, with the curve up.

The Space Bike is complete! Now let’s build a Landing Platform to land on!

Group 22, Steps 18 through 41 Build the Landing Platform.

18. Locate 1 dark grey 6x10 plate and 1 black 1x3 plate. Orient the 6x10 plate horizontally. Place the 1x3 plate horizontally on the 3 studs on the right in the back row. This should not overhang.

19. Locate 2 dark grey 1x2 inverted curved slopes with 1x2 plate and 1 black 1x3 plate. Place the 1x3 plate horizontally on the 3 studs on the right in the front row. This should not overhang. Place the 2 1x2 curved slopes vertically on the rightmost column, behind the PPP, with the inverted curves facing right. These will overhang to the right by 1 column.

20. Locate 1 white 1x2 plate and place it vertically centered on the 2nd column from the right.

21.1. Make a part. Locate 1 white 1x2 plate, 1 black 1x2 brick with side technic pin, and 1 red orange 1x6x 4 1/3 panel with window and 4 pinholes. Place the 1x2 plate horizontally and horizontally aligned on top of the 1x2 brick.

21.2. Insert the pin of the brick into the lower pinhole of the 1x6x4 panel from the side of the panel with the groove. The back of the panel should be the smooth side.

Place the part vertically centered on the right most columns with the 1x2 brick on the left side of the part connecting to the vertically centered 1x2 plate on the platform. The right side of the part will connect to the rightmost column of the overhanging inverted curved slopes.

22.1. Make a part. Locate 1 light grey 5x2x2 1/3 bracket. Orient this horizontally, with the high side 2x3 section on the right, and the lower 2x2 section on the left.

22.2. Locate 1 gold metallic 1x2 jumper plate and 1 white 1x2 plate. Place the 1x2 jumper vertically on the left column of the high 2x3 section of the bracket. Place the 1x2 plate vertically to the right of the PPP.

On the platform build, place the horizontal bracket part vertically centered on top of the 1x2 vertical plate in the 2nd column from the right. The lower section of the bracket will connect to the left, by 2 columns.

23. Locate 3 red orange 1x2 plates with bar on the long side with closed ends, 1 red orange 1x4 tile, and 2 dark grey 1x2 plate with ball on short side. Place the 3 1x2 plates with bar horizontally side-by-side on the back row starting from the left, with the bars overhanging to the back. Place the 1st 1x2 plate with ball vertically to the right of the PPPs on the 2 back rows, with the ball to the back and overhanging. Place the 1x4 tile vertically and vertically centered on the 6th column from the left. Place the 2nd 1x2 plate with ball vertically to the right of the PPP on the front 2 rows, with the ball to the front and overhanging.

24. Locate 3 red orange 1x2 plates with bar on the long side with closed ends and 1 red orange 1x4 tile. Place the 3 1x2 plates with bar horizontally side-by-side on the front row starting from the left, with the bars overhanging to the front. Place the 1x4 tile vertically and vertically centered on the leftmost column.

25. Locate 2 white 2x2 bricks and 2 white 1x2 plates. Build 2 duplicate parts. Place 1 1x2 plate vertically on the right column of both 2x2 bricks. Place the 1st 2x2 part with the 1x2 vertical plate on the right on the 2x2 area to the left of the panel and behind the 2 brick raised section in the center of the build. Symmetrically place the 2nd 2x2 part with the 1x2 vertical plate in front of the 2 brick raised section.

26. Locate 1 light grey 6x8 plate. Place the plate aligned on - the entire left side! Place the plate to the left of the PPPs and cover everything on the left. Only the horizontal bars and the ball joints that overhang front and back will be uncovered.

Group 23, Steps 27 through 41.

27. Locate 2 gold metallic 1x2 grill tiles. Place them horizontally side-by-side on the right side, connecting to the left of the 2 brick raised bracket in the center of the build, in the 4th row from the front.

28. Locate 2 transparent light blue 1x1 round tiles and 2 dark grey 2x2 tiles with 2 studs on one edge. Place the 1st 1x1 round tile on the back stud of the left column. Place the 2nd 1x1 round tile on the front stud of the left column. Place the 1st 2x2 tile with 2 studs on one edge in the 2nd and 3rd row from the front in the 3rd and 4th columns from the left with the 2 stud row to the back. Place the 2nd 2x2 tile symmetrically behind the PPP.

29. Locate 2 gold metallic 1x2 jumper plates. Place 1 1x2 jumper plate horizontally and horizontally aligned on each row of 2 studs of the PPPs.

30. Locate 4 white 2x1 slopes with no stud and cut out. Place 1 2x1 slope cutout horizontally on the left column of both the 2x2 bricks behind and in front of the 2 brick raised section in the center with the slope facing left. All these pieces will connect 1 column to the left onto the platform when placed.

31. Locate 2 light grey 1x2x2 tall bricks with 4 studs on one side. Place the 1st 1x2x2 tall brick vertically on the back 2 studs of the 2nd column from the right, with the 4 studs facing left. Place the 2nd 1x2x2 tall brick vertically on the front 2 studs of the 2nd column from the right, with the 4 studs facing left.

32. Locate 1 light grey 1x2 log brick and 2 dark grey 1x2 plate with ball on short side. Place the 1x2 log brick vertically centered in the 2nd column from the right between the 2 tall bricks. Place the 1st 1x2 plate with ball on top of the back 2 studs of the 2nd column from the right with the ball overhanging to the back. Place the 2nd 1x2 plate with ball on top of the front 2 studs of the 2nd column from the right with the ball overhanging to the front.

33. Locate 1 white 1x6 plate. Place it vertically aligned on top of all the PPPs on the 2nd column from the right.

34. Locate 2 white 1x2 bricks with 2 side studs and 1 light grey log brick. Place the 1x2 log brick vertically centered on the PPP, 2nd column from the right. Place the 1st 1x2 brick on top of the back 2 studs of the 2nd column from the right with the 2 studs pointed left. Place the 2nd 1x2 brick on top of the front 2 studs of the 2nd column from the right with the 2 studs pointed left.

35. Locate 2 white 1x2 plates and 1 black 2x2 modified plate with 2 side studs. Place the 2x2 modified plate vertically centered on the 2nd column from the right connecting to the top of the panel to the right, with the 2 studs facing left. Place the 1st 1x2 plate vertically on top of the back 2 studs of the 2nd column from the right. Place the 2nd 1x2 plate vertically on top of the front 2 studs of the 2nd column from the right.

36. Locate 2 transparent 1x1 slope tiles. Place the 1st slope tile on the back stud of the right column with the slope facing back. Place the 2nd slope tile on the front stud of the right column with the slope facing front.

37. Locate 2 white 1x3 curve slopes. Place the 1st curved slope vertically and on the back 3 studs of the 2nd column from the right, with the curve facing back. Place the 2nd 1x3 curved slope vertically in front of the PPP on the front 3 studs of the 2nd column from the right, with the curve facing front.

38. Locate 2 sand blue 1x3 tiles and 2 sand blue 2x2 corner tiles with cut corner. On the left face of the platform there are the side studs facing left. Rotate the build counter-clockwise 90-degrees so these studs face the front.

Place the 1st 1x3 tile vertically upright on the bottom two studs of the 2nd column from the left. Place the 2nd 1x3 tile vertically upright on the bottom two studs of the 2nd column from the right. The tops of the 1x3 tiles will not be connected. Place the 1st 2x2 corner tile upright on the 2nd column from the left, with the cut corner to the top left. The right arm of the corner tile will connect to the 2 studs facing front in the top center of the build. Place the 2nd 2x2 corner tile upright on the 2nd column from the right, with the cut corner to the top right. The left arm of the corner tile will connect to the 2 studs facing front in the top center of the build.

39. Locate 2 white 1x4 tiles with 2 studs. Place the 1st 1x4 tile vertically upright on the leftmost column of the Platform face. Place the 2nd 1x4 tile vertically upright on the rightmost column of the platform face.

40. Locate 2 dark grey 1x6 technic links. These parts are just over 6L long and end in open rings on both ends. The rings inside have a slight ridge to hold the ball joints. Connect the 1st link inserting the 2 balls on the left, snapping the balls into the rings on either end of the link. The link will be roughly 45-degrees angling base front of the Platform to the upper back of the entryway wall. Connect the 2nd link inserting the 2 balls on the right.

41.1. Make a part. Locate 1 white 1x2 plate.

41.2. Locate 2 transparent pink pearl 1x1 round bricks and place them side-by-side on the 1x2 plate.

41.3. Locate1 white 1x2 tile with a dark blue screen with a dark azure bar graph readout and black and metallic pink battery charge symbol. Place it aligned on top of the 2 PPPs.

Place the part horizontally on the jumper on the 2 brick raised section in the center of the Platform.

That’s it! The Space Bike and Landing Platform are complete! Only 1 Pod left to go and it will be time for your space adventure!

Bag 9
Group 24, Build the Astronaut and Steps 1 through 17 The Kitchen Pod.
Locate the following parts and build the astronaut minifigure!

1. Locate 1 bright green minifigure neck bracket with 4 back studs and front harness.

2. Locate 1 black 1x2 tile with gold hexagonal solar panel pattern and place it horizontally upright on the top row of neck bracket’s 4 back studs. Locate 1 black 1x2 half circle tile and place it horizontally upright on the row below the PPP with the curve towards bottom.

Now find 1 female minifigure head with cute smile and long eyelashes.

1 white minifigure torso with reddish orange and black Classic Space logo with a sand blue panel with gold lines and dark blue trim pattern with bright green arms and dark blue hands.
1 dark blue minifigure hips with white legs, a gold and sand blue armor panel, a reddish orange triangle and stripe on the left leg, with sand blue and dark blue toes prints.

4.Connect the Minifigure legs and torso.

5. Place the Solar Power Backpack on the torso post and then connect the Minifigure head to the torso.

6. Then locate 1 bright green city space minifigure astronaut helmet with molded neck base. Place the transparent clear visor onto the helmet. Then add the helmet to the astronaut minifigure.

Now to building the final Pod of the Modular Space Station – The Kitchen Pod! Astronauts have to eat!

1. Locate 1 dark grey 6x8 plate. Orient it horizontally.

2. Locate 2 black 1x2 plates with bar on the long side with closed ends and place them side-by-side horizontally centered on the back row with the bar to the back. The bar will overhang to the back. Locate 2 dark grey 1x2 inverted curved slopes with 1x2 plate. This piece is a 1x2 inverted curved slope with a 1x2 plate attached vertically centered opposite of the inverted slope. Place the pieces on the back row to the left and right of the PPP with the inverted curved slopes to the back. These 2 pieces will extend 1 row to the back.

3. Locate 4 dark grey 1x2 inverted curved slope with 1x2 plate. Place 2 of the 1x2 curved slopes vertically on the leftmost column, skipping the frontmost stud, with the inverted curves facing left. These will overhang to the left by 1 column. Repeat symmetrically on the right with the other 2 1x2 inverted curved slopes. These will overhang to the right by 1 column.

4.Locate 2 black 1x2 plates with bar on the long side with closed ends and place them side-by-side horizontally centered on the front row with the bar to the front. The bar will overhang to the front. Locate 2 dark grey 1x2 inverted curved slopes with 1x2 plate and place them on the front row to the left and right of the PPP with the inverted curved slope to the front. These 2 pieces will extend 1 row to the front.

5. Locate 2 dark grey 1x8 plates and 2 light grey 1x4 plates. Place the 1st 1x8 plate horizontally aligned on the 2nd row from the back, covering the 1 plate row of 8 studs. Place the 2nd 1x8 plate horizontally aligned on the 2nd row from the front covering the 1 plate row of 8 studs. The 1x8 plates should not cover the bars on the back or front.

Place the 1st 1x4 plate vertically on the 2nd column from the left, covering the 1 plate column of 4 studs. Symmetrically mirror the placement of the 2nd 1x4 plate vertically on the 2nd column from the right, covering the 1 plate column of 4 studs. In the center of the Kitchen Pod build is a 2 plate recessed 4x6 area.

6. Locate 1 blue 1x6 plate. Place it horizontally and horizontally centered on the 2nd row from the back.

7. Locate 1 white 1x6 brick and 1 sand blue 2x2 tile with 2 studs on one edge. Place the 1x6 brick horizontally centered in front of the PPP. This will be located in the recessed area in the center of the build. Place the 2x2 tile horizontally centered in front of the 1x6 brick, connecting towards the front, with the row of 2 studs to the front.

8. Locate 1 black 2x6 plate and 1 white 2x2 round jumper plate. Place the 2x6 plate horizontally and horizontally centered on the front and back rows of raised 2x6 section of studs slightly back center of the build. Place the 2x2 round jumper horizontally centered on top of the PPP.

9.1. Build 2 duplicate parts. Place 1 red orange 1x8 plate horizontally in front of you, then place 1 white 1x6 brick horizontally centered on the 1x8 plate.

9.2. Locate 2 white 1x1 short bricks. Place 1 short brick on the stud on both left and right sides of the PPP.

Place the 1st part horizontally and horizontally aligned on the split back row of studs. The part should bridge over the horizontal bars facing back. Place the 2nd part on the split front row of studs. The 2nd part should bridge over the horizontal bars facing front. Set the Kitchen Pod aside.

10. Locate 1 light grey 1x6 technic brick with 5 pinholes. Insert 1 black 2L pin into the center pinhole, from the front.

11.1. Locate 1 light grey 1x2x2 brick.

11.2. Place sticker #7 on the brick vertically, with airlock controls – a silver beveled frame square on the upper left with a dark azure center, a silver riveted square with a silver dial knob turned slightly angled in the lower left. 2 silver framed level gauge readings with dark grey connected conduit on the right side of the sticker.

Then place the brick horizontally centered on top of the 1x6 technic brick with the sticker facing front.

12. Locate 4 light grey 1x1 round bricks. Build 2 stacks of 2 round bricks. Place the 1st stack on the stud to the left of the 1x2x2 brick. Place the 2nd stack of 2 round bricks on the stud to the right of the 1x2x2 brick.

13. Locate 2 white 1x2x2 bricks. Place the 1st 1x2x2 brick horizontally on the leftmost stud of the assembly. This will overhang by 1 stud to the left. Place the 2nd 1x2x2 brick symmetrically on the right.

14. Locate 1 white 1x8 plate and place it horizontally on top of the sub-build.

15. Locate 1 dark grey 1x2 technic brick with pinhole. Insert 1 black 2L pin into the pinhole of the 1x2 brick and then place it horizontally centered on top of the PPP, with the pin pointed to the front. Locate 2 light grey 1x2 rounded plates. Place the 1st 1x2 rounded plate horizontally to the left of the 1x2 technic brick. Place a 2nd 1x2 rounded plate horizontally to the right of the 1x2 technic brick.

16. Locate 1 red orange 1x6x 4 1/3 panel with window and 4 pinholes. Orient the part so the row of 4 studs is on top, and the flat side is facing front. Insert the pins facing front from the assembly into the top and bottom pinholes in the window of the panel. Push it together to meet the other stacked bricks.

17. Place 1 black 2x2 plate horizontally centered on the top of the build connecting the panel to the wall of stacked bricks.

18. Locate 2 transparent 1x1 slope tiles. Place them on the studs on top of the panel to the left and right of the PPP, with the left slope facing left and the right slope facing right. Place 1 red orange 1x2 plate horizontally on the back row of the 2x2 plate on the top of the build.

19. Rotate the assembly so the flat side of the panel is on the right. Locate the Kitchen Pod set aside in step 9.2 and orient it horizontally. Place the assembly on the 2 right columns of the Kitchen Pod. The assembly will connect onto the short bricks on the back and front rows on the 2nd column from the right and the rightmost column of 4 studs of the inverted curved slopes.

Group 25, Steps 20 through 32.

20.1. Build a coffee maker! Locate 1 blue 1x2 plate and 1 blue 1x1 brick. Place the brick aligned on the left stud of the horizontal 1x2 plate.

20.2. Locate 1 yellow minifigure coffee mug and place it on the right stud of the 1x2 plate with the handle to the right.

20.3.1. Locate 1 blue 1x1 tile and 1 blue 2x1x1 1/3 curved slope with recessed stud. Place the 1x1 tile on top of the recessed stud.

20.3.2. Locate 1 silver metallic 1x1 round plate and connect it to the anti-stud of the curved slope under the recessed stud.

Place the 2x1x1 1/3 curved slope on the 1x1 brick on the left of the part with the curved slope facing left. The part will overhang the coffee mug on the right.

Place the coffee maker on the kitchen counter. On the right column to the left of the attached wall.

21.1. Build a sandwich and a water bottle. Locate 1 tan 1x2 rounded plate.

21.2. Locate 1 red 1x1 round plate with petals and 1 bright green 1x1 round plate with petals. Place them side-by-side on the 1x2 rounded plate. (Right or left doesn't matter, it's a sandwich! It will all taste great whichever way you make it!)

21.3. Locate 1 tan 1x2 rounded plate and place this on top of the PPPs. The sandwich is complete!

Place it centered on the stud of the 2x2 round jumper plate in the center of the kitchen counter, angle the sandwich slightly.

Locate 1 dark azure 1x1 round tile with bar and place it on top of 1 transparent light blue 1x1 round brick. Then place the water bottle on the back stud to the left of the sandwich.

22. Locate 6 transparent black 1x2x2 flat panels with side supports with open studs. Place 3 of the 1x2 panels horizontally side-by-side on the back row of 6 studs starting from the right and moving to the left, with the flat panels facing back. Place the 3 remaining panels horizontally side-by-side on the front row of 6 studs starting from the right and moving to the left, with the flat panels facing front. The left 2 columns should be uncovered. Set the Kitchen Pod aside

23. Locate 1 light grey 1x6 technic brick with 5 pinholes. Insert 1 black 2L pin into the center pinhole, from the front.

24.1. Locate 1 light grey 1x2x2 brick.

24.2. Place sticker #7 on the brick vertically, with airlock controls – a silver beveled frame square on the upper left with a dark azure center, a silver riveted square with a silver dial knob turned slightly angled in the lower left. 2 silver framed level gauge readings with dark grey connected conduit on the right side of the sticker.

Then place the brick horizontally centered on top of the 1x6 technic brick with the sticker facing front.

25. Locate 4 light grey 1x1 round bricks. Build 2 stacks of 2 round bricks. Place the 1st stack on the stud to the left of the 1x2x2 brick. Place the 2nd stack of 2 round bricks on the stud to the right of the 1x2x2 brick.

26. Locate 2 white 1x2x2 bricks. Place the 1st 1x2x2 brick horizontally on the leftmost stud of the assembly. This will overhang by 1 stud to the left. Place the 2nd 1x2x2 brick symmetrically on the right.

27. Locate 1 white 1x8 plate and place it horizontally on top of the sub-build.

28. Locate 1 dark grey 1x2 technic brick with pinhole. Insert 1 black 2L pin into the pinhole of the 1x2 brick and then place it horizontally centered on top of the PPP, with the pin pointed to the front. Locate 2 light grey 1x2 rounded plates. Place the 1st 1x2 rounded plate horizontally to the left of the 1x2 technic brick. Place a 2nd 1x2 rounded plate horizontally to the right of the 1x2 technic brick.

29. Locate 1 red orange 1x6x 4 1/3 panel with window and 4 pinholes. Orient the part so the row of 4 studs is on top, and the flat side is facing front. Insert the pins facing front from the assembly into the top and bottom pinholes in the window of the panel. Push it together to meet the other stacked bricks.

30. Place 1 black 2x2 plate horizontally centered on the top of the build connecting the panel to the wall of stacked bricks.

31. Locate 2 transparent 1x1 slope tiles. Place them on the studs on top of the panel to the left and right of the PPP, with the left slope facing left and the right slope facing right. Place 1 red orange 1x2 plate horizontally on the back row of the 2x2 plate on the top of the build.

32. Rotate the assembly so the flat side of the panel is on the left. Locate the Kitchen Pod set aside in step 22 and orient it horizontally. Place the assembly on the 2 left columns of the Kitchen Pod. The assembly will connect onto the short bricks on the back and front rows on the 2nd column from the left and the leftmost column of 4 studs of the inverted curved slopes.

33. Locate 2 white 1x8 plates and place them horizontally on the front and back rows of the Kitchen Pod.

34. Build 4 duplicate parts. Locate 1 white 1x3 plate. Place a 4x1x1 2/3 curved slope on top, aligning the point of the curved slope on the 1x3 plate. This will create a 1 brick high notch on the flat side of the part, opposite of the curve. Build 3 more duplicate parts.

Place the 1st curved slope part vertically aligned on the back 4 studs of the 2nd column from the left, with the curve facing back. Symmetrically mirror the placement of the 2nd curved slope part vertically in front of the PPP, on the frontmost 4 studs of the same column with the curve facing front. These should not overhang.

Symmetrically mirror the placements on the 2nd column from the right, with the remaining 2 parts.

35. Locate 1 white 1x6 tile and place it horizontally on the front row. Locate 4 white 1x1 tiles with vertical clip and 1 white 1x2 slope tile. Place the parts in the following order working horizontally left to right on the back row, orienting the clip hands vertically front and back – 1x1 tile with vertical clip, 1x1 tile with vertical clip, 1x2 slope tile horizontally with the slope facing back, 1x1 tile with vertical clip, 1x1 tile with vertical clip.

36.1. Make a part. Locate 1 white 6x6 modified plate with round corners and 4 feet. Flip the part upside-down. There is a recessed cross of 6x6 anti-studs. Connect 1 white 2x6 plate horizontally and horizontally centered and aligned.

36.2. Locate 2 white 2x2 plates with bottom pin. Turn the parts so the pin faces the ceiling, and place 1 in the back center 2x2 recessed section. Then place the other symmetrically mirrored on the front center 2x2 recessed section.

With the Kitchen Pod horizontal with the row of placed pieces from step 35 in back, place the part assembled with the pins facing right and at the 3 & 9 o’clock positions, into the pinholes of the red orange panel window on the left side of the Kitchen Pod.

37.1. Locate 1 black 1x6 tile and put it horizontally upside-down in front of you.

37.2. Locate 1 red orange 1x2 plate and connect it horizontally and horizontally centered on the tile. Locate 2 black 1x2 plates with bar on the long side with closed ends and connect them horizontally on the left and right of the PPP with the bar overhanging to the front.

37.3. Locate 1 transparent black 6x5x 3 1/3 curved panel. Orient the panel horizontally with the row of studs pointed down and to the back with the bow of the curve pointed to the back, then connect it aligned on top the PPP.

Place the part with the bars down, into the vertical clips of the Kitchen Pod back row. Now you can close the top of the Kitchen Pod.

Place the finished Kitchen Pod onto the Space Station center ring, on the last open hub. The Modular Space Station is complete! Get ready to explore deep space!

The last pages of the Instruction book depict the entire space station with all the astronauts in the front.

Then next page image shows how the Shuttle, Satellite, Biodome, Space Bike and Landing Platform and all the Pods can be separated from the Central Ring.

The next page gives page numbers to go to build a Space Train and how to use the top of the ring connection to place the Biodome.

Build the Space Train!
Page 68 – Supplemental instruction.

With all the Modules off the Central ring.

1. Locate 1 connection hub, and remove the 2 technic pins inserted horizontally. Keep these aside.

2. Locate 1 of the 2x2 short ribbed bricks, Placed in Group 10, Step 64. These are located inside the Central Ring at the X:30 o'clock locations and are placed vertically in the ring. Pull the pieces off and set them aside.

3. Using the Shuttle as our starting build. Rotate the shuttle so the octagonal "airlock" panel is facing you. Insert the 2 technic pins into the pinholes at 3 and 9 o'clock.

With any Pod, remove the 6x6 modified plate with the pins. Connect the Pod to the technic pins placed on the back of the Shuttle.

Once the Pod is connected, at the top of the airlock centered between slope tiles, is a recessed 2x2 section of studs. Place 1 of the pieces you set aside in step 2 on top of this section, connecting the Shuttle and the Pod. Repeat steps 1 and 2 to make the Space Train as long as 4 Pods!

The last connection, can still be made at the end of the Space Train with the Satellite, Biodome, or Space Bike and landing Platform. But there is only one side airlock for these Modules that can be connected.

Connect the Biodome vertically in the Center of the Space Station.
Page 70 – Supplemental instruction.

1. Locate the 2 vertically placed 11mm diameter wheels with groove that were placed in the center of the Hub of the Space Station ring from Group 3, Step 14. Remove these pieces and them set aside.

2. Disconnect the Biodome from the hub location where it is placed, and place it on the vertical technic pins that were exposed from the previous step.

3. Take the 2 11mm diameter wheels with groove, and place them on the pins of the hub where the Biodome used to be for safe keeping!

Technical note – Any Pod or Module can be placed on these vertical pins once the 11mm wheels are removed. The pins will insert into the pinholes at the 3 and 9 o'clock locations of any airlock.

The possibilities are endless! Enjoy imagining where your space adventure will take you!

Congratulations on finishing your build! Would you like to inspire other blind people to build LEGO sets? Let's feature your build on our "Builders page". It's easy and we will do all the work! Just contact us at info@bricksfortheblind.org and together we will make it happen!

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