

21342 The insect collection

Adapted by Jordi Isus and tested by Peter Durieux.

Display spectacular insects from around the world in your home with the LEGO® Ideas the Insect Collection (21342). A charming gift for nature lovers, this set features detailed, life-size, buildable models of a blue morpho butterfly, a Hercules beetle, and a Chinese mantis in their natural habitats. These beautiful models can be displayed separately or together as a stunning piece of nature décor.

Posable display models

The blue morpho butterfly has adjustable wings featuring LEGO elements in different shades of blue and is displayed with a buildable flower and a honeybee. The Hercules beetle has attachable wings and the characteristic horns of the male of the species, while the fully posable female Chinese mantis (a species of praying mantis) comes with a 7-spotted ladybug. Separate building instructions are included for each model, so you can build solo or with others. Go to the Features section for this set on the LEGO website to listen to a playlist of three soundtracks, each one featuring the insect's natural sounds: (<https://www.lego.com/en-us/product/the-insect-collection-21342>). If you can read the instructions on a Braille display or Braille printer, try listening to the insects playlist as you build—it helps bring the set to life and puts you right in the habitat of each model.

LEGO Sets for Adults is a carefully curated collection of premium-quality models. Whatever your passion, there is a firsthand building project waiting for you.

- LEGO® Ideas the Insect Collection (21342) – Take time out to indulge your passion for nature with these 3 life-size, posable, display models of insects in their natural habitats.
- Blue morpho butterfly (Morpho Peleides) – Capture the shades of blue in this butterfly's wings and its white dots. The model also includes a buildable honeybee and flower.
- Hercules beetle (Dynastes Hercules) – Build the longest beetle in the world, featuring attachable wings and the characteristic horns of the male of this species.
- Chinese mantis (Tenodera sinensis) – This is a detailed, posable model of a female Chinese mantis (a species of praying mantis). Its buildable habitat also features a 7-spotted ladybug.
- Gift idea for insect enthusiasts – Treat yourself or give this collectible 1,111-piece LEGO® Ideas set to another lover of insects and nature.
- Designed for display – The buildable Chinese mantis model measures over 7 in. (18 cm) high, 6.5 in. (17 cm) wide and 6 in. (16 cm) deep.
- Build solo or with others – Includes separate building instructions for each model, plus a booklet featuring facts about the insects and more. Also find digital instructions on the LEGO® Builder app
- The LEGO® fans' choice – This collectible display model for adults is one in a diverse array of LEGO Ideas sets, each created by a fan designer, voted for by LEGO fans, and produced by the LEGO Group
- Quality assurance – LEGO® bricks satisfy demanding industry quality standards to ensure that they connect consistently and securely.
- Safety first – LEGO® components are dropped, heated, crushed, twisted, and thoroughly analyzed to make sure that they comply with strict global safety standards.

Dimensions

H: 8" (18cm)

W: 7" (17cm)

D: 7" (16cm)

The front of the LEGO Ideas 21342 box features the three insect models in their respective natural habitat displayed against a black background. At the center is the Hercules beetle, the largest of the models, positioned on a fallen log. To its left sits the Blue Morpho butterfly, wings fully spread, supported by a vertical stand that suggests a tree trunk. To the right of the butterfly, near the middle of the layout, is the CHINESE mantis, standing upright on a structure that suggests a plant stem. The LEGO Ideas logo appears in the upper left corner, while the bottom edge lists the recommended age of 18+, the set number 21342, the piece count of 1,111, and the classic LEGO logo.

The back of the LEGO Ideas 21342 box presents the three insect models again, this time shown from different angles to highlight additional details and perspectives. Along the top edge, three small panels provide close-up views: the left panel shows the Blue Morpho butterfly's base, the center panel features a close-up of the praying mantis's upper section, and the right panel displays the three insect models together. The overall design maintains the dark background, emphasizing the shapes, colors, and structures of each model.

This set has 1111 pieces in total and is for ages 18+.

Book 1: blue morpho butterfly

Bag 1 contains the pieces to build the octagonal base and the tree trunk.

Bag 2 contains the pieces to build the blooming bromeliad plant, the honeybee and the blue morpho butterfly.

Book 2: Hercules beetle

Bag 3: contains the pieces to build the octagonal base, base's nature decoration, 2 bugs and the fallen log with a rotted-out end which is the habitat of the beetle.

Bag 4: contains the pieces to build 2 mushrooms and the beetle.

Bag 5: contains the pieces to build the beetle.

Book 3: Chinese mantis

Bag 6: contains the pieces to build the octagonal base and the flowering tree.

Bag 7: contains the pieces to build the leaves of the tree and the Chinese mantis.

About the Fan Designer and the Inspiration Behind the Set

MEET THE FAN DESIGNER

José María from Spain, known by his friends as 'Chema' and by the LEGO Ideas community as 'hachiroku24', has studied physics and fine arts, and currently works full-time running his own YouTube channel about LEGO building. A lifelong fan, he constantly finds inspiration for new builds in his hobbies – movies, comics, photography, and nature:

'I love animals. I don't have a background in biology or entomology, but I've always found insects interesting, and loved learning about different species and their rules and roles in our ecosystem – predators, vital pollinators with incredible jumps, webs, flying techniques, giant

horns, the colors ... They look like nothing else on our scale, almost otherworldly! You won't see these popular insects together in real life (they are from completely different parts of the world), but I like the little dioramas we added, to show the insects looking alive, like in nature. And each of them has quite different building techniques that I hope people will really enjoy. Seeing your own LEGO set on shelves is a dream I could only achieve through LEGO Ideas. Thanks to everyone who supported the idea!

CURIOUS CRAWLERS AND MAJESTIC MOTHS

Insects have lived on Earth for nearly 500 million years and roamed across every continent since long before dinosaurs existed. With more than one million identified species and around 1.4 billion living specimens per human at any given time, insects play a vital role in maintaining healthy ecosystems everywhere. Antarctica is currently the most inhospitable insect habitat, with only one species registered – the Antarctic midge. But cold climates don't scare away all bugs. The Arctic tundra alone boasts more than 2,000 species! Over time, these resilient critters have evolved and developed awe-inspiring strengths and survival skills and helped sustain millions of lifeforms.

FROM THE LEGO IDEAS DESIGN TEAM

'I love LEGO models that people don't initially recognize as LEGO bricks! Jose's insects have so much character, and each display tells a story inspired by the biome they inhabit. Making them free-standing was a challenge, as they have very thin and poseable limbs and I wanted to ensure this was carried through into the final model. We decided to create the insects on an approximate life-size scale and developed new decorations for the smaller 7-spotted ladybug and the honeybee. We have a fun little Easter egg you can only spot while you are building the model, and I hope fans appreciate the diligence.'

- Jordan David Scott, LEGO Ideas Design Manager. 'Jose's original model is so well designed! Giant bugs are fascinating. They seem alien in our world. I did a lot of research on bugs and tried to translate the detailed patterns, eyes etc. into the LEGO graphics style. A mantis' eyes are crazy detailed and complex, so that was a super fun challenge! I am really happy with how the graphic on the butterfly's wings ended up integrating with the pattern in the build. On the butterfly, you might notice that the 1x1 round flat tile with a white spot on it is used as part of the butterfly's pattern. This deco is actually used as eyes for different LEGO animals and characters!

- Kirsten Bay Nielsen, LEGO Ideas Graphic Designer.

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.
- Left/ right wedge parts: these are parts that when placed in front of you and are pointing to the back, their wedge or cut corner is on the left/right.
- “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).

A note on LEGO Technic™ part names. These parts are 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 pinhole. 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, like 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 pinholes. 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 as spacers, but they also can reduce friction between rotating parts or can form useful elements such as bars. Bushes are typically light gray, cylindrical, and have an axle-hole running through the middle. They have a flange at the front and back to make it easier to pull on and off.

For builders with low vision, or a sighted building partner who may want to follow along with the printed visual instructions that come with each kit, PDF versions are always online at LEGO.com: (<https://www.lego.com/en-us/service/building-instructions/21342>) As low vision users may benefit from viewing the instructions on a personal device where they can zoom in on content and use assistive technologies to enhance the visuals.

Sorting the pieces:

To begin a successful build, it helps to sort the pieces into groups, bags, or small containers. Have a 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 from steps in the instructions. Example: Steps 1-3 means collecting all the parts used in steps 1, 2 and 3, and putting them in one container.

This set comes with 7 plastic bags, 3 sets of instructions -1 for each model, and some loose pieces. Each instruction booklet contains the steps to build one model: Booklet 1 includes the Blue Morpho Butterfly, Booklet 2 contains the Hercules Beetle, and Booklet 3 provides the Chinese Mantis. In every booklet, the steps start again from 1 because each model is completely independent, so you can begin with whichever model you prefer. Since each model has many steps, the “sorting pieces into groups” section appears at the beginning of each booklet, before the building instructions for that model. Sort the pieces into groups as described below. Note that where there are multiple colors of the same brick in a step, the colors will be split across two groups to make telling the difference easier for the builder!

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

Rows and Columns: Unless we say otherwise, rows and columns are counted across the whole build.

In some builds, especially those with irregular shapes or staggered layers, not all rows have the same number of columns. This means that counting columns across the entire build can be confusing or misleading.

To make things easier, we'll sometimes count columns from a specific row, rather than from the full build. This helps the builder focus on the exact area where the new piece will go. To reflect

this change, we'll adjust our phrasing. Instead of saying: "Horizontally place a 1x2 plate on the front row on the 2nd and 3rd columns from the right." We'll say: "Horizontally place a 1x2 plate on the 2nd and 3rd columns from the right of the front row."

This makes it clear that we're only counting columns within that row—not across the whole build—since other rows may have different lengths or shapes.

In some cases, to help the builder identify where to place the LEGO pieces, we will provide landmarks in addition to row and column references. These landmarks are nearby pieces that serve as tactile guides. Example: Vertically place a green 2x4 plate on the 2nd through 5th rows from the back on the 2nd and 3rd columns from the left, so the back row sits on the front row of the back left 2x2 corner plate, and the front row sits on the back row of the front left 2x2 corner plate.

Description:

Here there is a description about the blue morpho butterfly model that may help you imagine what the model looks like once completed: On an octagonal base with a black edge, the brown-and-green ground suggests soil and small plants; an upright tree with leaves rises from the center and near its top the majestic blue Morpho butterfly perches, its large wings a vivid blue with black tips and occasional white dots — shown with wings open (they can be closed). In front of the trunk a blooming bromeliad displays green leaves and dark-pink flowers, and a small bee hovers above it as if pollinating, adding a lively accent to the scene.

Book 1: blue morpho butterfly

Bag 1

Group 1: contains the pieces for steps 1-6.

Group 2: contains the pieces for steps 7-9.

Group 3: contains the pieces for step 10.

Group 4: contains the pieces for step 11.

Group 5: contains the pieces for steps 12-14.1.

Group 6: contains the pieces for steps 14.2-14.3.

Group 7: contains the pieces for steps 15-16.

Group 8: contains the pieces for steps 17-27.

Group 9: contains the pieces for steps 28-38.

Group 10: contains the pieces for steps 39-48.

Group 11: contains the pieces for step 49.

Bag 2

Group 12: contains the pieces for steps 50-55.

Group 13: contains the pieces for steps 56-60.

Group 14: contains the pieces for steps 61-64.

Group 15: contains the pieces for step 65.

Group 16: contains the pieces for steps 66-71.

Group 17: contains the pieces for steps 72-77.2.

Group 18: contains the pieces for steps 77.3-81.

Group 19: contains the pieces for steps 82-83.1.

Group 20: contains the pieces for steps 83.2-83.3.

Group 21: contains the pieces for steps 84-85.

Group 22: contains the pieces for step 86.

Group 23: contains the pieces for steps 87-92.

Group 24: contains the pieces for steps 93-98.

Group 25: contains the pieces for steps 99-104.2.

Group 26: contains the pieces for steps 104.3-108.

Group 27: contains the pieces for steps 109-110.1.

Group 28: contains the pieces for steps 110.2-110.3.

Group 29: contains the pieces for steps 111-112.

Group 30: contains the pieces for step 113.

Group 31: contains the pieces for steps 114-121.

Let's get to building!

A note from the fan designer about the MORPHO BUTTERFLY's model:

Indigenous to Mexico, Central America, and South America, the blue morpho butterfly is a spectacular work of art. Females are brownish in color, while the male's wings consist of millions of scales that diffract light and reflect iridescent hues of blue. With a wingspan ranging from 7.5 to 20 cm (3 to 8 inches), it's easy to spot and, unlike many other butterflies, it flies in almost any type of weather. Blue morphos are not fussy eaters. They enjoy tropical fruits, tree sap, and rotting flesh. In their early caterpillar stage, they may even cannibalize each other! In this model, inspired by real life, the blue morpho is accompanied by a friend, the honeybee, on their joint mission to pollinate a blooming bromeliad.

Building Instructions (Bag 1, Book 1):

Group 1:

1. Let's start by building the base! Horizontally place a Black 2x14 plate in front of you. Then place a reddish Brown 4x4 plate on the ppp, so it is centered horizontally and vertically.
2. Vertically place a black 2x6 plate underneath the front overhanging row of the ppp, so it is centered horizontally and 5 rows are exposed to the front. Repeat symmetrically to the back. Your build should have a cross shape.
3. Place the right angle of a black 6x6 wedge plate with cut corner underneath the back right overhanging corner of the 4x4 plate. Repeat symmetrically to the left. Then repeat both placements symmetrically to the front.

4. Place a reddish brown 4x4 plate on the 2nd through 5th rows from the front, so it is centered horizontally and sits in front of the center 4x4 plate from step 1. Repeat symmetrically to the back. Place another on the 2nd through 5th columns from the right, so it is centered vertically and sits to the right of the center 4x4 plate from step 1. Repeat symmetrically to the left.

5. Place a reddish brown 3x3 wedge plate with cut corner in front of the 3 right columns of the ppp, so the right angle faces the back right. Repeat symmetrically to the right. Then repeat both placements symmetrically to the back. Vertically place a black 1x6 tile on the rightmost column of your build, so it is centered vertically. Repeat symmetrically to the left. Place another horizontally on the front row of your build, so it is centered horizontally. Repeat symmetrically to the back.

6.1 Place a reddish brown 1x1 quarter round tile in front of the rightmost column of the ppp, so the right angle faces the front left, and the rounded edge faces the back right. Repeat symmetrically to the left. Then repeat both placements symmetrically to the front. Place a reddish brown 1x1 quarter round tile on the 2nd column from the right on the 5th row from the front counting the entire build, so the right angle faces the back left and the rounded edge faces the front right and it sits to the left of the front row of the right vertical 1x6 tile. Repeat symmetrically to the back. Then repeat both placements symmetrically to the left.

6.2 place a black 2x2 triangular tile on the 2 right columns of the 2 back rows (we are here only counting these 2 rows), so the right angle faces the front left. Place another in front of the ppp, so the right angle faces the back right. Then place another to the right of the ppp, so the right angle faces the front left. Repeat these 3 placements symmetrically to the left. then repeat these placements twice more symmetrically to the front. Because the base is octagonal and all sides feel identical, it can be helpful to mark the first row. That way, if the base rotates while you're building, you can easily find the correct starting position again. You can mark it, for example, with a small piece of tape."

Group 2:

7. Place a tan 2x2 corner tile with cutout on the 2nd and 3rd rows from the back on the 5th and 6th columns from the right counting the entire build, so it looks like a smooth braille letter D, and the cutout sits on the back right reddish brown 1x1 quarter round tile from step 6. Repeat symmetrically to the left. Place a sand green 2x2 round brick with axle hole on the 4th and 5th rows from the back on the 3rd and 4th columns from the right. so the front row sits to the left of the right back 1x1 quarter round tile. Place the left column of a sand green 2x2 wedge plate with cut corner in front of the right column of the ppp, so the right angle faces the back left. Place a sand green 1x1 round plate to the left of the back row of the ppp. Place the right column of another sand green 2x2 wedge plate with cut corner in front of the ppp, so the right angle faces the front right. Place a green 1x1 quarter round tile to the left of the front row of the ppp, so the right angle faces the back right and the rounded edge faces the front left. place the left column of a tan 2x2 corner tile with cutout behind the ppp, so it looks like a smooth braille letter J. Place a green 1x1 round plate with 3 leaves on the 7th row from the front on the 3rd column from the right, so it sits to the right of the front row of the right sand green 2x2 wedge plate with cut corner and its leaves face the right. Place another symmetrically to the left. Place the front row of a sand green 2x2 wedge plate with cut corner to the right of the ppp, so the right angle faces the front left. Place a green 1x1 quarter round tile to the right of the front row of the ppp, so the right angle faces the back left. place the right column of a tan 2x2 corner tile with cutout behind the ppp, so it looks like a smooth braille letter H. Place the front row of a sand green 2x2 wedge plate with cut corner to the left of the back row of the ppp, so the right angle faces the front right. Place a sand green 1x1 round plate to the left of the front row of the ppp, so it sits in front of the left back reddish brown 1x1 quarter round tile. Place a green 1x1 round plate with 3 leaves on the 4th row from the back on the 4th column from the left, so the leaves face the back left and it

sits behind the right column of the back 2x2 wedge plate with cut corner. Place a lime 1x1 round plate with open stud on the ppp.

8. Place a green 2x2 round plate with axle hole in front of the sand green 2x2 round brick with axle hole from step 7, on the 6th and 7th rows from the back, on the 3rd and 4th columns from the right. place a lime 1x1 flower plate on the axle hole of the ppp, so the stud faces up. Repeat both placements symmetrically to the left. Place a lime 1x1 flower plate on the 7th row from the front, on the 5th column from the right to the right of the right green 1x1 quarter round tile.

9. Let's make a part! Let's build the inner structure of the tree trunk! Place a tan 2x2 plate in front of you. Vertically place a white 1x2x1 2/3 brick with 4 studs on 1 side on the right side, so the side studs face the right. Repeat symmetrically to the left.

Group 3:

10. Horizontally place a black 1x2x1 2/3 brick with 4 studs on 1 side on the front row of your part, so the side studs face the front. Repeat symmetrically to the back.

Group 4:

11. place a white 1x2x1 2/3 brick with 4 studs on 1 side on the right side, so the side studs face the right. Repeat symmetrically to the left.

Group 5:

12. Horizontally place a black 1x2x1 2/3 brick with 4 studs on 1 side on the front row of your part, so the side studs face the front. Repeat symmetrically to the back.

13. Place a red 2x2x2/3 plate with 2 studs on 1 side on top of your part, so the side studs face the front. Horizontally place a white 1x2 tile on the back row of the ppp.

14.1 Let's make a part! Place a yellow 1x1 brick with side stud and bottom lip in front of you, so the side stud and the bottom lip face the back. Horizontally place the right column of a reddish brown 1x2 slope tile on the ppp, so it slopes to the back and 1 column overhangs to the left.

Group 6:

14.2 Place a green 1x1 brick with side stud and bottom lip underneath the left column of the ppp, so the side stud and the bottom lip face the back.

14.3 Attach a grey 1x1 brick with 1 side stud on 2 sides using the antistud to the back facing side stud of the ppp, so the smooth sides face the right and down. Repeat symmetrically to the right. Bring back your sub build and place it in front of you so the side studs of the top red 2x2x2/3 plate with 2 studs on 1 side face the front. Place your part on top of your sub build, so the 1x2 slope tile is at the top and it slopes to the back, and the anti-studs face the front.

Group 7:

15.1 Let's make a part! Let's build the front side of the tree trunk! Horizontally place a tan 2x10 plate in front of you. Then place a dark tan 2x4 plate horizontally on the 4 right columns of the ppp.

15.2 Vertically place the 1x2 plate of a dark tan 2x2 tile with upright 1x2 plate on the rightmost column of the ppp, so the antistuds face the right. Place a tan 2x2 plate to the left of the ppp. Vertically place a blue 1x2 plate to the right of the ppp.

15.3 Vertically place a dark tan 1x2 plate with 3 spikes on the ppp, so the spikes face the left. Place a tan 2x2 curved slope tile to the left of the ppp so it slopes to the left. Place the right column of another on the leftmost column of your part so 1 column extends to the left and it

slopes to the left. Place a tan 1x1 quarter round tile to the right of the front row of the ppp, so the right angle faces the back left and the rounded edge faces the front right. Place a tan 1x1 slope tile behind the ppp, so it slopes to the left. Place another symmetrically to the right of the ppp, so it slopes to the right.

15.4 Bring back your sub build so the horizontal top 1x2 slope tile slopes to the back and the top antistuds face the front. Attach your part to the front facing side of your sub build vertically upright so the 2x2 tile with upright 1x2 plate is at the bottom.

16.1 Let's make a part! Let's build the back side of the tree trunk! Horizontally place a dark tan 2x12 plate in front of you. Place a tan 2x2 plate on the 2 right columns of the ppp.

16.2 Vertically place the 1x2 plate of a dark tan 2x2 tile with upright 1x2 plate on the right column of the ppp, so the antistud faces the right. Horizontally place a tan 1x2 curved right slope wedge tile to the left of the back row of the ppp, so it slopes to the left. Horizontally place a tan 1x4 curved slope tile on the front row of your part on the 4 right columns, so it slopes to the left.

16.3 Place a tan 1x1 slope tile on the 4th column from the left on the front row, so it slopes to the left. Place the left column of a tan 2x2 curved slope tile behind the ppp, so it slopes to the back, and 1 row extends to the back. Place a tan 1x1 slope tile in front of the right column of the ppp, so it slopes to the right.

16.4 Bring back your sub build so the 1x2 plate with 3 spikes faces the front at the bottom. Attach your part to the back side of your sub build vertically upright, so the 2x2 tile with upright 1x2 plate is at the bottom.

Group 8:

17.1 Let's make a part! Horizontally place a reddish brown 3L axle and pin connector (157,5 degrees) in front of you, so the tip of the angled connector faces up, and the pin holes face the front and the back, and the axle holes face the left and the right. Insert a black 2L pin into the front pin hole from front to back, so 1L of the pin extends to the front. Symmetrically attach the back hole of another horizontal reddish brown 3L axle and pin connector from front to back onto the 1L front extending pin.

17.2 Insert a red 2L bar with stop ring from right to left into the right facing axle hole of the ppp, so 1L of the bar extends to the right. Repeat symmetrically to the back. Rotate your part 90 degrees clockwise, so the extending bars face the front. Bring back your sub build so the 2x12 plate is vertically upright at the back. Insert the 2 1L extending bars from top to bottom into the top 2 open studs between the horizontal 1x2 slope tile and the vertical upright 2x12 plate, so the angled tips of the connectors face the front, with the pin holes facing the left and the right.

18. Let's make a part! Let's build the left side of the tree trunk! Horizontally place a tan 2x10 plate in front of you. Vertically place a blue 1x2 plate on the rightmost column.

19. Vertically place the 1x2 plate of a dark tan 2x2 tile with upright 1x2 plate on the ppp, so the antistud faces the right.

20. Let's make a part! Place a tan 3x4x2/3 curved wedge plate with cutout in front of you, so the cutout faces the front. Vertically place a dark tan 2x3 left wedge plate underneath the leftmost column of the ppp, so the short end faces the back. Place a tan 2x3 right wedge plate symmetrically to the right. Rotate your part 90 degrees clockwise so the cutout faces the left. Bring back your previous part from step 19 and place it horizontally in front of you so the 2x2 tile with upright 1x2 plate is at the right. Place your last assembly on the 2nd through 4th columns from the right, so it is centered vertically and the cutout faces the left.

21. Vertically place a tan 1x2 rounded plate on the rightmost column of your sub build. Vertically place a dark tan 1x2 plate with 3 spikes to the left of the ppp, so the spikes face the left.

22.1 Let's make a part! Place a sand green 1x1 round plate in front of you. Place a tan 1x1 round plate with bar on the ppp, so the bar faces the front. Place a sand green 1x1 round plate on top of your part.

22.2 Vertically place the front row of a tan 4x1 double curved slope tile on the top of your part, so 3 rows overhang to the back.

22.3 Vertically place the front row of a tan 1x2 slope brick underneath the back row of the ppp, so it slopes to the back. Bring back your previous part and place it horizontally in front of you, so the antistud of the 2x2 tile with upright 1x2 plate from step 19 faces the right. Vertically place your current part on the rightmost column, so it is centered vertically and the bar faces the front.

23. Horizontally place the 2 right columns of a tan 2x4 right wedge plate on the 2 left columns of your part, so 2 columns overhang to the left and the short side faces the left. Horizontally place the 2 right columns of a dark tan 2x3 right wedge plate underneath the left overhang, so the short side faces the left. Horizontally place the right column of a tan 1x2 curved right slope wedge tile on the leftmost column of the ppp, so it slopes to the left and 1 column extends to the left.

24. Vertically place a tan 1x2 rounded plate on top of your part so it is centered horizontally and it sits to the right of the horizontal 2x4 right wedge plate from the previous step.

25. Horizontally place the left column of a dark tan 1x2 curved slope tile on the front row of the ppp, so it slopes to the right. Place a green 1x1 round plate with 3 leaves behind the left column of the ppp, so the leaves face the back.

26. Insert the bottom bar of a green 1L angled bar with open stud into the open stud of the ppp, so the open stud faces the left. Place a red 1x1 round tile with upright bar on the ppp, so the bar faces the left. Rotate your part 90 degrees clockwise, so the 1x2 curved right slope wedge tile slopes to the back.

27. Bring back your sub build and place it in front of you, so the higher side is at the back. Attach your part to the left side of your tree trunk sub build vertically upright so the 2x2 tile with upright 1x2 plate is at the bottom.

Group 9:

28. Let's make a part! Let's build the right side of the tree trunk! Horizontally place a tan 2x10 plate in front of you. Vertically place a blue 1x2 plate on the rightmost column of the ppp.

29. Vertically place the 1x2 plate of a dark tan 2x2 tile with upright 1x2 plate on the ppp, so the antistud face the right. Vertically place a tan 1x2 rounded plate on the ppp.

30. Vertically place a tan 1x4 double curved slope tile on the ppp, so it is centered vertically.

31. Vertically place the front row of a tan 1x2 slope brick underneath the back row of the ppp, so it slopes to the back. Repeat symmetrically to the front.

32. Let's make a part! Place a tan 3x4x2/3 curved wedge with cutout in front of you, so the cutout faces the front. Vertically place a dark tan 2x3 left wedge plate underneath the leftmost column of the ppp, so the short end faces the back. Place a tan 2x3 right wedge plate symmetrically to the right. Rotate your part 90 degrees clockwise so the cutout faces the left. Bring back your previous part from the previous step and place it horizontally in front of you so the 2x2 tile with upright 1x2 plate is at the right. Place your last assembly on the 2nd through 4th columns from the right, so it is centered vertically and the cutout faces the left.

33. Vertically place a dark tan 1x2 plate with 3 spikes on the 2nd column from the right of your part to the left of the vertical 1x4 double curved slope tile, so it is centered vertically and the spikes face the left.

34. Horizontally place the 2 right columns of a tan 2x4 left wedge plate on the 2 left columns of your part, so 2 columns overhang to the left and the short side faces the left. Horizontally place the 2 right columns of a dark tan 2x3 left wedge plate underneath the left overhang, so the short side faces the left. Horizontally place the right column of a tan 1x2 curved left slope wedge tile on the leftmost column of the ppp, so it slopes to the left and 1 column extends to the left.

35. Place a green 1x1 round plate with 3 leaves on the back row on the 7th column from the right, so the leaves face the right. Horizontally place a dark tan 1x2 curved slope tile to the left of the ppp, so it slopes to the right, and the left column sits on the 2x4 left wedge plate from the previous step.

36. Place a tan 1x1 quarter round tile to the left of the ppp, so the right angle faces the back right and the rounded edge faces the front left. Place a pink 1x1 flower plate on top of the green 1x1 round plate with 3 leaves from the previous step, on the back row on the 7th column from the right. Rotate your part 90 degrees, so the antistud of the 2x2 tile with upright 1x2 plate is at the front.

37. Bring back your sub build and place it in front of you, so the higher side is at the back. Attach your part to the right side of the sub build vertically upright, so the 2x2 tile with upright 1x2 plate is at the bottom.

38. Bring back your main build -the base- and place it in front of you so 2 tan 2x2 corner tiles with cutout are on the 2nd and 3rd rows from the back forming a Braille letter F and a braille letter D. Place the 2 back rows of the bottom of your part between the 2 2x2 corner tiles with cutout.

Group 10:

39. Let's make a part! Horizontally place a tan 1x8 plate in front of you. Then place the back row of a tan 2x2 corner wedge plate with cut corner underneath the 2 right columns of the ppp, so the right angle faces the front left, and 1 row is exposed to the front and 1 column to the right.

40. Horizontally place a dark tan 2x4 plate to the left of the ppp, so the back row is placed underneath the horizontal 1x8 plate.

41. Horizontally place a tan 1x8 plate on the last 2 ppps, so it sits in front of the back 1x8 plate and they are aligned. 3 columns should overhang to the left.

42. Vertically place a tan 1x2 rounded plate on top of your part, so it is centered horizontally. Vertically place a tan 1x2 plate with upright bar to the left of the ppp so the bar faces upward to the right. Repeat symmetrically to the right. After the 3 placements, 2 columns of your part should remain free on the left side and 2 columns should remain free on the right side.

43. Horizontally place a tan 1x2 curved left slope wedge tile to the right of the back row of the ppp, so it slopes to the right. Place a tan 1x1 quarter round tile on the front row on the leftmost column, so the right angle faces the front right and the rounded edge faces the back left. Place the front row of a tan 2x2 curved slope tile to the right of the ppp, so it slopes to the left and its right column sits on the vertical left 1x2 plate with upright bar.

44. Horizontally place a tan 1x4 curved slope tile on the 3 right columns of the front row, so it slopes to the right and 1 column overhangs to the right.

45. Turn your part upside down, so the overhanging column of the ppp is on the right. Place a tan 1x1 round plate with bar on the front row on the 4th column of antistuds from the left, so the bar faces the left. Repeat symmetrically to the back. Vertically place a tan 1x2 rounded plate to the right of the ppps.

46. Horizontally place the leftmost column of a dark tan 1x4 curved inverted slope tile on the ppp, so it slopes to the right. Repeat symmetrically to the front.

47. Place the right column of a dark tan 2x2 inverted tile on the leftmost column of the 2 ppps, so the left column overhangs to the left above the 2 horizontal bars.

48. Bring back your main build, so the highest side of the tree trunk faces the back. Locate the upright 2 reddish brown 3L axle and pin Connectors on top of the tree trunk. Let's attach your part vertically upright to the top front of the trunk. Insert the 2 horizontal bars of the 1x1 round plates with bar from top to bottom into the top facing axle holes of the 2 upright 3L axle and pin connectors angled 3, so the 1x2 plates with upright bar face the front.

Group 11:

49.1 Let's make a part! Vertically place a green 1x2 rounded plate with leaf in front of you, so the leaf faces the back. Horizontally place the left column of another on the front row of the ppp, so the second leaf faces the right. Bring back your main build so the tree trunk is in front of you. Locate a front right facing bar close to the bottom of the tree trunk. Attach the front row of the left column of antistuds of your part from front to back onto that bar, so the first leaf is vertically upright at the left and the second is horizontally upright and faces the right.

49.2 Locate a red 1x1 round tile with upright bar on the right side of the tree trunk from step 26. Attach an upside down pink 2x2 round tile with open stud using the open stud from right to left onto the upright bar of the right facing 1x1 round tile with upright bar. Place a pink 2x2 flower upright on the ppp. Insert a tan 1L bar with 3 stems from right to left into the open stud of the ppp.

Base and tree done—your tiny forest now has a floor and a backbone; onward!

Building Instructions (Bag 2, Book 1):

Group 12:

50. Let's make a part! Place a sand green 2x2 round plate with hole and 4 upright bars in front of you. Then place a sand green 2x2 round brick with axle hole on the ppp.

51. Place a green 2x2 round tile with stud on the ppp.

52. Insert a red 4L bar from top to bottom into the open stud of the ppp. Push it down through as far as you can, so 2L extends upward.

53.1 Let's make a part! Vertically place a sand green 1x2 rounded plate in front of you. Vertically place the back row of a sand green 1x2 curved right slope wedge tile on the front row of the ppp, so it slopes to the front and 1 row extends to the front. Place a sand green 1x1 half round tile behind the ppp, so the rounded edge faces the back. Bring back your previous part. Attach the back antistud of your part from top to bottom onto the front right upright bar.

53.2 Let's make a part! Vertically place a sand green 1x2 rounded plate in front of you. Vertically place the back row of a sand green 1x2 curved left slope wedge tile on the front row of the ppp, so it slopes to the front and 1 row extends to the front. Place a sand green 1x1 half round tile behind the ppp, so the rounded edge faces the back. Bring back your previous part. Attach the back row of antistuds of your part from top to bottom onto the front left upright bar.

54. Let's make a part! Horizontally place a sand green 1x2 rounded plate in front of you. Horizontally place a green 1x2 rounded plate with leaf on the ppp, so the leaf faces the left. Vertically place the front row of another on the right column of your part, so the leaf faces the back. Bring back your sub build, so the last root from the previous step faces the front and the first one faces the right. Attach the right column of the front row of anti-studs of your part from top to bottom onto the left upright bar of your sub build.

55. Bring back your main build, so the tree trunk faces the back. Place your sub build on the 4th and 5th rows from the front on the 5th and 6th columns from the right counting the entire build, so the back upright bar sits in front of the front right lime 1x1 flower plate.

Group 13:

56. Let's make a part! Let's start building the blooming bromeliad plant! Place a red 2x2 round plate with axle hole upside down in front of you. Place a dark pink 2x2 flower on the ppp.

57. Turn your part right side up, so the studs form columns and rows. Place a pink 1x1 round plate with bar handle on each of the 4 top studs.

58. Place a red 2x2 round plate with axle hole on the ppps. Set your flower sub build aside.

59. Place a sand green 2x2 round plate with 8 bars on the ppp.

60. Let's make 4 identical parts! Horizontally place a red bar holder with clip in front of you, so the clip faces the left, and the hands of the clip face up and down. Insert the bar with a red horn with bottom bar from right to left into the right facing hole of the ppp, so the horn curves upward. You should now have 4 identical parts! Bring back your previous plant sub build, so the studs face up. Clip your first part to the front right facing bar of the pink 1x1 round plate with bar handle, so the horn curves upward. Repeat symmetrically to the left. Then repeat both placements symmetrically to the back.

Group 14:

61. Let's make 4 identical parts! Let's make the bottom leaves! Horizontally place a red bar holder in front of you so the clip faces the left with its hands facing up and down. Insert the bar of a dark pink 1x4x1 claw with bottom bar from right to left into the right facing hole of the ppp, so the hollow side faces up. You should now have 4 identical parts! Bring back your plant sub build, Clip the 4 bottom leaves to the bars of the sand green 2x2 round plate with 8 bars, so they are interspaced with the 4 leaves below from the previous step.

62. Let's make 4 identical parts! Let's make the other 4 top leaves! Vertically place a green 1x2 rounded plate with leaf in front of you, so the leaf faces the front. Vertically place a sand green 1x2 plate with stud and upright clip on the ppp so the clip faces the back. You should now have 4 identical parts! Bring back your blooming bromeliad sub build. Locate the lower leaves from step 60. Turn your 4 parts upside down. Clip each part using the clip to the bars of the 2x2 round plate with 8 bars, so they are above the lower leaves from step 60. Push them down. Then turn your blooming bromeliad sub build right side up.

63. Bring back your main build and place it in front of you so the tree trunk is at the back. Locate the upright bar from step 55. Attach your sub build using the bottom axle hole from top to bottom into that upright bar, push it down as far as you can. Your dark pink 1x4x1 claw with bottom bar leaves from step 61 should align with the bottom leaves of the flower base from step 55.

64. Place a pink 2x2 round tile with open stud upside down using the open stud on the top flower of your attached blooming pink tropical plant sub build. Place a pink 2x2 flower on the ppp. Insert a tan 1L bar with 3 stems from top to bottom into the open stud of the ppp. You should have 2 flowers on top of another in the center of your blooming bromeliad plant build.

Group 15:

65. Let's make a part! Let's start building the honeybee! Place a gold 1L bar with clip in front of you, so the bar faces upright and the clip is at the bottom with its hands facing left to right. Slide a black 1x1 round plate with open stud from top to bottom into the upright bar of the ppp until it reaches the clip, so the stud faces up.

Group 16:

66. Slide the hole of a transparent fairy wings from top to bottom onto the upright bar of your part so the smaller wings are at the top and the wings face the front. Place a gold 1x1 round plate with open stud on top of the upright bar, so the stud faces up.

67. Place a reddish brown 1x1 plate with clip on the ppp, so the clip faces the back.

68. Place a bright light orange egg with reddish brown stripes on the ppp. Flip your bee, so it is horizontally in front of you and the claw faces the left.

69. Attach a black 1x1x1 bucket handle to the left facing claw, so the ends of the handle point upward. They are the antennae of your honeybee!

70. Let's make a part! Let's build the supporter for the honeybee! Place a transparent curved bar with 1L axle and open stud horizontally in front of you so it curves to the back, and the tips point to the front, and the axle tip is at the front right. Attach a transparent 1L bar with angled hollow stud using the hollow stud onto the front left tip of the ppp. Hold your part, so the transparent curved bar with 1L axle and open stud curves downward. Attach the bottom clip of your honeybee to the left facing bar of the transparent 1L bar with angled hollow stud, so the honeybee faces the left.

71. Bring back your main build and place it in front of you so the tree trunk is at the back. Locate a 2x2 round brick with axle hole at the right of the tree trunk. Insert the axle end of your part from front to bottom into the axle hole of the ppp so the honeybee is lifted above the blooming bromeliad.

Group 17:

72. Let's make a part! Let's start building the butterfly! Horizontally place a black 4x6 left wedge plate in front of you, so the short side faces the right, and the straight long side is in front of you. Place a dark blue 2x2 triangular tile on the back left corner, so the right angle faces the front left. Repeat symmetrically to the front.

73. Horizontally place a light blue 2x3 pentagonal tile on the 2 front rows of your part, so it is centered horizontally and the triangular side faces the left.

74. Place a black 3x3 heart plate in front of the 3 right columns of your part so the tip faces the back left forming a right angle and 1 lobe faces the front and the other faces the right. Vertically place the front row of a light blue 1x2 half round tile on the back row of the ppp, so it is centered horizontally on the ppp, the rounded edge faces the right, and the back row sits on the black 4x6 left wedge plate.

75. Place the right column of the back row of a light blue 2x2 corner tile to the left of the front row of the ppp, so it looks like a braille letter F and 1 column overhangs to the left. Horizontally place the right column of a blue 1x3 plate underneath the back row of the left overhanging column, so it sits in front of the 3 left columns of the front row of the 4x6 left wedge plate.

76. Place a black 3x3 heart plate in front of the ppp, so the right angle (the heart's tip) faces the back right and 1 lobe faces the front and the other faces the left, it attaches by its right angle to

the front row of the left overhang. Vertically place the front row of a light blue 2x3 pentagonal tile on the 2 left columns of the back row of the ppp, so the triangular side faces the back.

77.1 Horizontally place the left column of a light blue 1x2 half round tile in front of the right column of the ppp, so the rounded edge faces the front.

77.2 Place a dark blue 1x1 quarter round tile on the 3rd row from the front on the 3rd column from the right counting the entire build, so the right angle faces the back left and the rounded edge faces the front right. It sits in front of the right column of the 2x2 corner tile.

Group 18:

77.3 Place a black 1x1 quarter round tile to the right of the ppp, so the right angle faces the back left and the rounded edge faces the front right.

78. Place a black 2x2 curved tile on the 2 front rows on the 2 left columns, so the rounded edge aligns with the curved front left corner of your part. Place another to the right of the ppp, following the shape of your part. Place another to the right of the ppp following the shape of your part. You should have placed 3 black 2x2 curved corner tiles in total. Vertically place a black 1x2 tile behind the right column of the ppp.

79. Turn your part upside down, so the diagonal side is in front of you. Vertically place a blue 1x3 plate on the 3rd through 5th rows from the back on the 2nd column from the left of antistuds.

80. Vertically place a blue 3x2 right wedge plate to the left of the ppp, so the short side faces the back and 1 column overhangs to the left. Place a black 1x2 plate with 2 clips on the long side vertically in front of the right column of the ppp, so the clips face the left. Vertically place the 2 back rows of a blue 1x4 hinge plate to the right of the ppp, so 2 rows overhang to the front, and the round hinge part faces the right.

81. Vertically place a black 2x4 inverted tile on the 2nd through 5th rows from the front on the 2 left columns so it sits on the 4 ppps.

Group 19:

82. Let's make a part! Place a black 6x6 quarter round plate in front of you, so the right angle faces the front left, and the rounded edge faces the back right.

83.1 Horizontally place a black 1x2 half round tile on the front row on the 2nd and 3rd columns from the right, so the rounded edge faces the front. Place a blue 1x1 quarter round tile behind the right column of the ppp, so the right angle faces the back right and the rounded edge faces the front left.

Group 20:

83.2 Place a dark blue 1x1 quarter round tile to the left of the ppp, so the right angle faces the back left and the rounded edge faces the front right. Place another symmetrically to the left of the ppp.

83.3 Place a light blue 1x2 half round tile to the left of the ppp, so the rounded edge faces the front. Place a light blue 2x2 triangular tile behind the ppp, so the right angle faces the front left.

Group 21:

84. Place a dark blue 2x2 triangular tile to the right of the ppp, so the right angle faces the back right. The 2 2x2 triangular tiles should form a square. Place a dark blue 1x1 quarter round tile to the right of the front row of the ppp, so the right angle faces the front left, and the rounded edge faces the back right. Place the front row of a dark blue 2x2 curved corner tile to the right of the

ppp and the back row behind the ppp, so its rounded edge faces the back right. Place the 2 front rows of a dark blue 3x3 curved corner tile to the right of the ppp and the back row behind the ppp, so the rounded edge faces the back right following the shape of the ppp. Then horizontally place a dark blue 1x4 tile to the left of the back row of the ppp, so the 2 right columns sit behind the dark blue 2x2 triangular tile, and 2 columns overhang to the left. The back row of your part should be free.

85. Vertically place the 3rd row from the front of a black 1x5 plate underneath the 2nd column from the left of the ppp. Horizontally place the right column of a light blue 2x3 pentagonal tile on the 2 front rows of the ppp, so the triangular side faces the left and 2 columns overhang to the left.

Group 22:

86. Place the left column of a black 2x2 curved corner tile with white spots in front of the right column of the ppp, so the round corner faces the front left, and the right column attaches to the front row of your part, so 1 column overhangs to the left. Place a black 1x1 round tile with a white spot to the right of the front row of the ppp. Then place the back row of a black 2x2 curved corner tile with white spots to the right of the ppp, so the round corner faces the front left, 1 row overhangs to the front and 1 column overhangs to the right following the shape of the left side of the black 1x2 half round tile. Place another symmetrically to the right of the ppp finishing to follow the shape of the 1x2 half round tile. Place a blue 1x1 quarter round tile behind the right column of the ppp, so the right angle faces the back left and the rounded edge the front right and it sits to the right of another blue 1x1 quarter round tile from step 82.1. Place the right column of a blue 4x4 curved corner tile behind the ppp, so the round corner faces the back right following the shape of the 6x6 quarter round plate.

Group 23:

87. Turn your part upside down, so the right angle of the 6x6 quarter round plate faces the back left, and the rounded edge faces the front right. Place a blue 2x2 inverted round tile on the 4th and 5th rows from the front on the 3rd and 4th columns from the left counting the entire build, so the left column sits on the 2 back rows of the vertical black 1x5 plate, and the right column sits on the 6x6 quarter round plate. Place another to the right of the ppp.

88. Place a black 4x4 wedge plate with cut corner in front of the 2 ppps, so the right angle faces the back left and 1 row overhangs to the front and 1 column overhangs to the right.

89. Turn your part right side up, then rotate it 180 degrees so the light blue 2x3 pentagonal tile faces the right and the front row of the ppp extends to the front right. Place a blue 1x1 quarter round tile on the front row of your part which has only 1 column, so the right angle faces the back right and the rounded edge faces the front left. Place another on the 2nd row from the front on the 2nd column from the right, so the right angle faces the back right and the rounded edge the front left.

90. Vertically place a blue 2x3 pentagonal tile on the 3 front rows on the rightmost column, so the triangular side faces the front and 1 column overhangs to the right. Place a blue 2x2 left wedge plate to the left of the 2 back rows of the ppp, so the short side faces the left.

91. Turn your part upside down, so the black 4x4 wedge plate with cutout is at the front left and the horizontal light blue 2x3 pentagonal tile faces the left. Bring back your previous part, so the antistuds face up and the 1x4 hinge plate is at the front with 2 rows overhanging to the front. Place it to the left of your current part. Then push the overhanging two rows of the 1x4 hinge plate to the back, it cannot finish folding because it touches the black 4x6 right wedge plate. Vertically place this 2 rows of the 1x4 hinge plate on the 3rd and 4th rows from the front on the

3rd column from the left of your current part you have been working on since step 82, counting the entire build, so it sits on the left back corner of the 4x4 wedge plate with cutout.

92. Place the left column of a black 2x2 inverted slope tile on the attached 2 right rows of the 1x4 hinge plate, so it slopes to the right.

Group 24:

93. Let's make a part! Horizontally place a black 1x3 round plate in front of you. Place a black 1x1 round plate with bar on the rightmost column, so the bar faces the right.

94. Vertically place a black 1x1 plate with 1 bar handle on each short side to the left of the ppp, so it is centered vertically. Place another vertically to the left of the ppp, so it is centered vertically.

95. Horizontally place a black 1x2 plate with clip on a short side on the 2 left columns of your part, on the 2 ppps, so the clip faces the left.

96. Place a black 1x1 round plate with open stud on the leftmost column of the ppp. Horizontally place a black 1x2 curved slope tile to the right of the ppp, so it slopes to the right.

97. Attach a black 1x1 cone brick with open stud using the open stud from right to left onto the right facing bar. Attach a black 1x1 round plate to the right facing big hole in the ppp using its stud. Attach a black 1x1x1 bucket handle to the left facing clip, so the ends of the handle point horizontally to the left. They are the antennae of your butterfly! Rotate your part 90 degrees clockwise so your part is vertical and the antennae face the back.

98. Bring back your butterfly's right wing, so the clips of the vertical black 1x2 plate from step 80 face the left and the wing is right side up. Vertically attach your right bar handles of your part from left to right to 2 left facing clips of your right wing.

Group 25:

99. Let's make a part! Let's build the left wing! Horizontally place a black 4x6 right wedge plate in front of you, so the short side faces the left and the straight long side is in front of you. Place a dark blue 2x2 triangular tile on the back right corner, so the right angle faces the front right. Repeat symmetrically to the front.

100. Horizontally place a light blue 2x3 pentagonal tile on the 2 front rows of your part, so it is centered horizontally and the triangular side faces the right.

101. Place a black 3x3 heart plate in front of the 3 left columns of your part so the tip faces the back right forming a right angle and 1 lobe faces the front and the other faces the left. Vertically place the front row of a light blue 1x2 half round tile on the back row of the ppp, so it is centered horizontally on the ppp, the rounded edge faces the left, and the back row sits on the black 4x6 right wedge plate.

102. Place the left column of the back row of a light blue 2x2 corner tile to the right of the front row of the ppp, so it looks like a braille letter D. and 1 column overhangs to the right. Horizontally place the left column of a blue 1x3 plate underneath the back row of the right overhanging column, so it sits in front of the 3 right columns of the front row of the 4x6 right wedge plate.

103. Place a black 3x3 heart plate in front of the ppp, so the right angle (the heart's tip) faces the back left and 1 lobe faces the front and the other faces the left, it attaches by its right angle to the front row of the right overhang. Vertically place the front row of a light blue 2x3 pentagonal tile on the 2 right columns of the back row of the ppp, so the triangular side faces the back.

104.1 Horizontally place the right column of a light blue 1x2 half round tile in front of the left column of the ppp, so the rounded edge faces the front.

104.2 Place a dark blue 1x1 quarter round tile on the 3rd row from the front on the 3rd column from the left counting the entire build, so the right angle faces the back right and the rounded edge faces the front left. It sits in front of the left column of the 2x2 corner tile.

Group 26:

104.3 Place a black 1x1 quarter round tile to the left of the ppp, so the right angle faces the back right and the rounded edge faces the front left.

105. Place a black 2x2 curved corner tile on the 2 front rows on the 2 left columns, so the rounded edge aligns with the curved front left corner of your part. Place another to the right of the ppp, following the shape of your part. Place another to the right of the ppp following the shape of your part. You should have placed 3 black 2x2 curved corner tiles in total. Vertically place a black 1x2 tile on the 3rd and 4th rows from the front on the leftmost column behind the first 1x2 curved corner tile.

106. Turn your part upside down, so the diagonal side is in front of you. Vertically place a blue 1x3 plate on the 3rd through 5th rows from the back on the 2nd column from the right of antistuds.

107. Vertically place a blue 3x2 left wedge plate to the right of the ppp, so the short side faces the back and 1 column overhangs to the right. Place a black 1x2 plate with 2 clips on the long side vertically in front of the left column of the ppp, so the clips face the right. Vertically place the 2 back rows of a blue 1x4 hinge plate to the left of the ppp, so 2 rows overhang to the front, and the round hinge part faces the left.

108. Vertically place a black 2x4 inverted tile on the 2nd through 5th rows from the front on the 2 right columns so it sits on the 4 ppps.

Group 27:

109. Let's make a part! Place a black 6x6 quarter round plate in front of you, so the right angle faces the front right, and the rounded edge faces the back left.

110.1 Horizontally place a black 1x2 half round tile on the front row on the 2nd and 3rd columns from the left, so the rounded edge faces the front. Place a blue 1x1 quarter round tile behind the left column of the ppp, so the right angle faces the back left and the rounded edge faces the front right.

Group 28:

110.2 Place a dark blue 1x1 quarter round tile to the right of the ppp, so the right angle faces the back right and the rounded edge faces the front left. Place another symmetrically to the right of the ppp.

110.3 Place a light blue 1x2 half round tile to the right of the ppp, so the rounded edge faces the front. Place a light blue 2x2 triangular tile behind the ppp, so the right angle faces the front right.

Group 29:

111. Place a dark blue 2x2 triangular tile to the left of the ppp, so the right angle faces the back left. The 2 2x2 triangular tiles should form a square. Place a dark blue 1x1 quarter round tile to the left of the front row of the ppp, so the right angle faces the front right, and the rounded edge faces the back left. Place the front row of a dark blue 2x2 curved corner tile to the left of the ppp and the back row behind the ppp, so its rounded edge faces the back left. Place the 2 front rows

of a dark blue 3x3 curved corner tile to the left of the ppp and the back row behind the ppp, so the rounded edge faces the back left following the shape of the ppp. Then horizontally place a dark blue 1x4 tile to the right of the back row of the ppp, so the 2 left columns sit behind the dark blue 2x2 triangular tile, and 2 columns overhang to the right. The back row of your part should be free.

112. Vertically place the 3rd row from the front of a black 1x5 plate underneath the 2nd column from the right of the ppp. Horizontally place the left column of a light blue 2x3 pentagonal tile on the 2 front rows of the ppp, so the triangular side faces the right, and 2 columns overhang to the right.

Group 30:

113. Place the right column of a black 2x2 curved corner tile with white spots in front of the left column of the ppp, so the round corner faces the front left, and the left column attaches to the front row of your part, so 1 column overhangs to the right. Place a black 1x1 round tile with a white spot to the left of the front row of the ppp. Then place the back row of a black 2x2 curved corner tile with white spots to the left of the ppp, so the round corner faces the front right, 1 row overhangs to the front and 1 column overhangs to the left following the shape of the black 1x2 half round tile. Place another symmetrically to the left of the ppp finishing to follow the shape of the 1x2 half round tile. Place a blue 1x1 quarter round tile behind the left column of the ppp, so the right angle faces the back right and the rounded edge the front left and it sits to the left of another blue 1x1 quarter round tile from step 110.1. Place the left column of a blue 4x4 curved corner tile behind the ppp, so the round corner faces the back left following the shape of the 6x6 quarter round plate.

Group 31:

114. Turn your part upside down, so the right angle of the 6x6 quarter round plate faces the back right, and the rounded edge faces the front left. Place a blue 2x2 inverted round tile on the 4th and 5th rows from the front on the 3rd and 4th columns from the right counting the entire build, so the right column sits on the 2 back rows of the vertical black 1x5 plate, and the left column sits on the 6x6 quarter round plate. Place another to the left of the ppp.

115. Place a black 4x4 wedge plate with cut corner in front of the 2 ppps, so the right angle faces the back right and 1 row overhangs to the front and 1 column overhangs to the left.

116. Turn your part right side up, then rotate it 180 degrees so the light blue 2x3 pentagonal tile faces the left and the front row of the ppp extends to the front left. Place a blue 1x1 quarter round tile on the front row of your part which has only 1 column, so the right angle faces the back left and the rounded edge faces the front right. Place another on the 2nd row from the front on the 2nd column from the left, so the right angle faces the back left and the rounded edge the front right.

117. Vertically place a blue 2x3 pentagonal tile on the 3 front rows on the leftmost column, so the triangular side faces the front and 1 column overhangs to the left. Place a blue 2x2 right wedge plate to the right of the 2 back rows of the ppp, so the short side faces the right.

118. Turn your part upside down, so the black 4x4 wedge plate with cut corner is at the front right and the horizontal light blue 2x3 pentagonal tile faces the right. Bring back your previous part, so the antistuds face up and the 1x4 hinge plate is at the front with 2 rows overhanging to the front. Place it to the right of your current part. Then push the overhanging two rows of the 1x4 hinge plate to the back, it cannot finish folding because it touches the black 4x6 right wedge plate. Vertically place this 2 rows of the 1x4 hinge plate on the 3rd and 4th rows from the front on the 3rd column from the right of your current part you have been working on since step 109, counting the entire build, so it sits on the right back corner of the 4x4 wedge plate with cutout.

119. Place the right column of a black 2x2 inverted slope tile on the attached 2 left rows of the 1x4 hinge plate, so it slopes to the left. Turn your part right side up so the clips of the right vertical 1x2 plate with 2 clips on a long side faces the right.

120. Bring back your butterfly sub build so the antennae face the back, and the wing is on the right. Clip your left wing part using the right clips to the 2 left facing bars of the butterfly sub build.

121. Bring back your main build so the tree trunk is at the back, and the tropical pink flower is at the front right. Locate 2 front facing bars of 2 tan 1x2 plates with upright bar from step 42 on the top front side of the tree trunk. Attach the body of the butterfly vertically upright from front to back to these 2 front facings bars, with the antennae facing up. Your blue morpho butterfly's model is complete!

With the bromeliad, a busy honeybee, and the iridescent blue Morpho butterfly now in place, your little scene has found its star performer—keep building; in the next bag you'll begin the next model and diorama: the mighty Hercules beetle!

Hercules beetle:

Here is a description that may help your blind builder imagine what this model looks like once completed: On an octagonal base with a black edge, the brown ground is dotted with green plants and flowers; a fallen tree trunk crosses the center, its rotted tip hosting two small blue mushrooms. Perched on the trunk, the Hercules beetle presents a compact, sturdy body with a long black horn and lower mandible, six legs, and open flight wings—bright orange inner wings beneath yellow outer elytra—while its right front leg reaches forward as if trying to grasp a mushroom.

Sorting into groups:

Book 2: Hercules beetle

Bag 3

Group 1: contains the pieces for steps 1-6.

Group 2: contains the pieces for step 7.1.

Group 3: contains the pieces for steps 7.2-8.

Group 4: contains the pieces for steps 9-10.

Group 5: contains the pieces for steps 11-13.

Group 6: contains the pieces for steps 14-23.1.

Group 7: contains the pieces for steps 23.2-26.

Group 8: contains the pieces for step 27.

Group 9: contains the pieces for steps 28-30.

Group 10: contains the pieces for steps 31-33.

Group 11: contains the pieces for steps 34-38.

Group 12: contains the pieces for steps 39-42.

Group 13: contains the pieces for step 43.

Group 14: contains the pieces for steps 44-45.

Bag 4

Group 15: contains the pieces for steps 46-48.

Group 16: contains the pieces for steps 49-53.

Group 17: contains the pieces for steps 54-55.

Group 18: contains the pieces for steps 56-59.

Group 19: contains the pieces for step 60.1.

Group 20: contains the pieces for steps 60.2-61.

Group 21: contains the pieces for step 62.1.

Group 22: contains the pieces for steps 62.2-66.

Group 23: contains the pieces for steps 67-69.

Group 24: contains the pieces for step 70.

Group 25: contains the pieces for steps 71-79.

Bag 5

Group 26: contains the pieces for steps 80-82.

Group 27: contains the pieces for steps 83-86.

Group 28: contains the pieces for steps 87-92.

Group 29: contains the pieces for steps 93-96.

Group 30: contains the pieces for steps 97-102.

Group 31: contains the pieces for steps 103-105.

Group 32: contains the pieces for steps 106-110.

Group 33: contains the pieces for steps 111-113.

Group 34: contains the pieces for steps 114-118.

Let's build the next model!

A note from the fan designer about the Hercules Beetle's model:

Being named after a Greek hero famous for his strength gives a bug something to live up to. Over a 19-21-month period, the formidable Hercules beetle grows from egg to pupal stage and finally metamorphoses into one of the world's largest beetles. An adult male grows up to 18 cm (7 inches) long, including the horn, which he uses to body-slam rival males and impress the female objects of his affection. The impressively strong exoskeleton protects his wings, and the hard shell also comes in handy if he's knocked off a tree branch during battle. Native to the rainforests of Central South America, he scours the ground for rotting fruits, trees, and mushrooms like the *Clitocybula azurea* in this model.

Building Instructions (Bag 3, Book 2):

Group 1:

1. Let's start by building the base! Horizontally place a black 2x14 plate in front of you. Then place a reddish Brown 4x4 plate on the ppp, so it is centered horizontally and vertically.
2. Vertically place a black 2x6 plate underneath the front overhanging row of the ppp, so it is centered horizontally and 5 rows are exposed to the front. Repeat symmetrically to the back. Your build should have a cross shape.
3. Place the right angle of a black 6x6 wedge plate with cut corner underneath the back right overhanging corner of the 4x4 plate. Repeat symmetrically to the left. Then repeat both placements symmetrically to the front.
4. Place a reddish brown 4x4 plate on the 2nd through 5th rows from the front, so it is centered horizontally and sits in front of the center 4x4 plate from step 1. Repeat symmetrically to the back. Place another on the 2nd through 5th columns from the right, so it is centered vertically and sits to the right of the center 4x4 plate from step 1. Repeat symmetrically to the left.
5. Place a reddish brown 3x3 wedge plate with cut corner in front of the 3 right columns of the ppp, so the right angle faces the back right. Repeat symmetrically to the right. Then repeat both placements symmetrically to the back. Vertically place a black 1x6 tile on the rightmost column of your build, so it is centered vertically. Repeat symmetrically to the left. Place another horizontally on the front row of your build, so it is centered horizontally. Repeat symmetrically to the back.
- 6.1 Place a reddish brown 1x1 quarter round tile in front of the rightmost column of the ppp, so the right angle faces the front left, and the rounded edge faces the back right. Repeat symmetrically to the left. Then repeat both placements symmetrically to the front. Place a reddish brown 1x1 quarter round tile on the 2nd column from the right on the 5th row from the front counting the entire build, so the right angle faces the back left and the rounded edge faces the front right and it sits to the left of the front row of the right vertical 1x6 tile. Repeat symmetrically to the back. Then repeat both placements symmetrically to the left.
- 6.2 Place a black 2x2 triangular tile on the 2 right columns of the 2 back rows (we are here only counting these 2 rows), so the right angle faces the front left. Place another in front of the ppp, so the right angle faces the back right. Then place another to the right of the ppp, so the right angle faces the front left. Repeat these 3 placements symmetrically to the left. then repeat these placements twice more symmetrically to the front. Because the base is octagonal and all sides feel identical, it can be helpful to mark the first row. That way, if the base rotates while you're building, you can easily find the correct starting position again. You can mark it, for example, with a small piece of tape.

Group 2:

- 7.1 Place a sand green 2x4 right wedge plate on the 4th and 5th columns from the left, so it is centered vertically and the short side faces the back left. Place a sand green 2x4 left wedge plate symmetrically to the right.

Group 3:

- 7.2 Place a reddish brown 2x4 left wedge plate to the left of the ppp, so the short side faces the front. Place a sand green 2x4 right wedge plate symmetrically to the left.
- 8.1 Place a sand green 2x2 wedge plate with cut corner on the 2nd and 3rd columns from the left, so the right angle faces the back right and it is centered vertically. Place a green 1x1 quarter round tile in front of the right column of the ppp, so the right angle faces the back right and the rounded edge faces the front left. Place a green 1x1 round plate with 3 leaves to the front right of the ppp, so the leaves face the front left, and it sits in front of the left sand green 2x4 right wedge plate. Place a green 1x1 quarter round tile to the right of the ppp, so the right

angle faces the back left and the rounded edge faces the front right. Place a green 1x1 round plate with 3 leaves on the 6th row from the back on the 3rd column from the left, so the leaves face the left. It sits behind the right column of the 2x2 wedge plate with cut corner. Place a green 1x1 round plate on the 5th row from the back on the 4th column from the left, so it sits behind the left sand green 2x4 right wedge plate.

8.2 Place a sand green 2x2 wedge plate with cut corner on the 2nd and 3rd columns from the right, so it is centered vertically and the right angle faces the front left. Place another symmetrically in front of the ppp. Place a sand green 1x1 round plate to the left of the front row of the ppp. Place a green 1x1 round plate with 3 leaves in front of the ppp, so the leaves face the front right. Place a green 1x1 quarter round tile on the 5th row from the front on the 5th column from the right, so its right angle faces the back right and its rounded edge faces the front left. It sits in front of the left column of the right sand green 2x4 left wedge plate. Place a green 1x1 round plate with 3 leaves on the 6th row from the back on the 3rd column from the right so it sits behind the left column of the back 2x2 wedge plate with cut corner, and the leaves face the back right. Place a green 1x1 quarter round tile to the back left of the ppp, on the 5th row from the back on the 4th column from the right, so it sits behind the right column of the right sand green 2x4 left wedge plate with cut corner and its right angle faces the front left, and the rounded edge faces the back right.

Group 4:

9. Place a green 2x2 round plate with axle hole on the 3rd and 4th columns from the left, so it is centered vertically. Place another on the 6th and 7th rows from the front on the 3rd and 4th columns from the right, so it sits on the right 2 sand green 2x2 wedge plates with cut corner and on the right sand green 2x4 left wedge plate. Place a green 1x1 round plate with 3 leaves behind the left column of the ppp, so the leaves face the back.

10. Place a reddish brown 2x2 corner tile with cutout on the 3rd and 4th rows from the back, so it is centered horizontally and it looks like a smooth braille letter F with cutout. Place another symmetrically in front of the ppp on the 3rd and 4th rows from the back, so it looks like a smooth braille letter J with cutout. Place a lime 1x1 flower plate on top of the axle hole of the left 2x2 round plate with axle hole. Place another on top of the axle hole of the right 2x2 round plate with axle hole. Place another on the 7th row from the front on the 2nd column from the right, so it sits to the right of the back row of the right green 2x2 round plate with axle hole. Place another on the 5th row from the back on the 2nd column from the left, so it sits on the back left 1x1 round plate with 3 leaves, behind the left column of the left green 2x2 round plate with axle hole.

Group 5:

11.1 Let's make a part! Horizontally place a reddish brown 1x2 plate with bar handle on a long side in front of you, so the bar handle faces the front. Horizontally place a green 1x2 brick on the ppp.

11.2 Horizontally place the 1x2 plate of a dark tan 2x2 tile with upright 1x2 plate on the ppp, so the tile's antistud faces the back.

11.3 Horizontally place a tan 1x2x3 slope brick on the ppp, so it slopes to the left. Place a tan 1x1 slope tile on the ppp, so it slopes to the front.

11.4 Flip your part so it sits on the back side, the ppp is at the back and the bar handle is at the front facing upward. Place the 1x2 plate of a dark tan 2x2 tile with upright 1x2 plate horizontally upright on the front facing antistuds. Bring back your main build, so the 2 reddish brown 2x2 corner tiles with cutout from step 10 face the back. Place your part vertically on the 8 back rows, so it is centered horizontally and the 1x1 slope tile is at the back. It is attached by the antistuds of the 2 2x2 tiles of the dark tan 2x2 tiles with upright 1x2 plate.

12. Horizontally place a sand green 1x2 jumper plate in front of the front row of your attached part from the previous step, on the 6th row from the front so it is centered horizontally. Place another horizontally in front of the ppp.

13. Place a white croissant with flat ends on the ppp, so the ends face the front. Place another symmetrically behind the ppp. Place a tan 1x1 slope tile on the 3rd column from the left of the 2nd row from the front (here, we are counting only the columns of this mentioned row), so it slopes to the back, and it sits to the right of the front left reddish brown 1x1 quarter round tile. Place another symmetrically to the right.

Group 6:

14. Let's make a part! Let's start building the fallen log! Vertically place a tan 2x3 plate in front of you. Place the 2 left columns of a dark tan 1x4 plate on the back row of the ppp, so 2 columns overhang to the right.

15. Place the back row of a vertical tan 2x3 plate underneath the right overhang.

16. Horizontally place a dark tan 1x4 plate on the front row of your part. Place a dark tan 1x1 plate behind the leftmost column of the ppp. Repeat symmetrically to the right.

17. Vertically place the back row of a dark tan 1x2 brick with 2 side studs on 1 long side on the ppp, so the side studs face the right. Repeat symmetrically to the left. Then Horizontally place a tan 1x4 brick with 4 studs on 1 long side behind the ppps, on the back row of your part, so the side studs face the back.

18. Horizontally place a green 1x2x1 2/3 brick with 4 studs on 1 long side on the 2 right columns of the ppp, so the side studs face the back. Repeat symmetrically to the left. Vertically place another in front of the leftmost column of the ppp, so the side studs face the left. Repeat symmetrically to the right.

19. Vertically place the right column of a tan 2x3 plate on the ppp, so the left column of the 2 front rows overhangs to the left. Repeat symmetrically to the left.

20. Horizontally place a dark tan 1x4 plate on the front row of your part. Repeat symmetrically to the left. Place a dark tan 1x1 plate in front of the leftmost column of the ppp. Repeat symmetrically to the right.

21. Vertically place the back row of a dark tan 1x2 brick with 2 studs on 1 long side on the ppp, so the side studs face the right. Repeat symmetrically to the left. Place a light grey 1x1 brick with clip to the right of the front row of the ppp, so the clip faces the front. Repeat symmetrically to the right. Horizontally place a tan 1x4 brick with 4 studs on 1 long side on the back row of your part, so the side studs face the back.

22. Vertically place a tan 2x3 plate on the top 2 left columns of your part. Repeat symmetrically to the right.

23.1 Horizontally place a dark tan 1x4 plate on the front row of your part. Repeat symmetrically to the back.

Group 7:

23.2 Horizontally place a white 1x4 plate in front of the ppp.

24. Place a blue 2x2 plate with 2 studs on one side on the 2 front rows, so it is centered horizontally and the side studs face the front. Horizontally place a sand green 1x2 jumper plate on the back row of the ppp. Horizontally place a tan 1x2 rounded plate on the ppp.

25. Rotate your part 180 degrees, so the open side faces the back. Horizontally place a dark tan 1x2 brick with 2 studs on 1 long side in front of the ppp, so the side studs face the front. Place a tan 1x1 brick with a stud on 1 side, to the left of the ppp, so the side stud faces the left. Repeat symmetrically to the right. Vertically place a tan 1x4 brick with 4 studs on 1 long side behind the ppp, so the side studs face the right and 2 rows overhang to the back. Repeat symmetrically to the left.

26. Vertically place a dark tan 1x2 slope brick on the leftmost column of the 2 front rows, so it slopes to the front. Place a dark tan 1x1 slope tile on the ppp, so it slopes to the left. Horizontally place a dark tan 1x2 brick with 2 studs on 1 long side on top of your part, so it is centered horizontally and vertically, and the side studs face the back.

Group 8:

27.1 Let's make a part! Horizontally place a tan 2x3 plate in front of you. Horizontally place a sand green 1x2 plate with 1 stud and an upright clip on the back right corner so the clip is at the right.

27.2 Place a dark tan 1x1 plate to the left of the ppp. Horizontally place a sand green 1x2 plate with a stud and an upright clip on the front left corner, so the clip is at the right. Place a dark tan 1x1 plate to the right of the ppp.

27.3 Horizontally place a dark tan 1x2 slope brick on the back left corner, so it slopes to the right.

27.4 Place a tan 1x1 brick with a side stud in front of the left column of the ppp, so the side stud faces the front. Place a dark tan 1x1 slope tile on the front right corner, so it slopes to the left.

27.5 Bring back your previous part so the open side and the 2 overhanging bricks are at the back. Horizontally place your current part on top of your structure on the 2 front rows on the 3 right columns, so the side stud faces the front left.

Group 9:

28. Rotate your sub build 180 degrees so the open side and the 2 overhanging bricks face the front. Place a tan 1x1x1 2/3 brick with 2 studs on 1 side on the rightmost column of your part, so it is centered vertically and the side studs face the right. It sits in front of the right vertical 1x2 slope brick. Place a tan 1x1 slope tile on the ppp so it slopes to the left. Repeat both placements symmetrically to the left. Place a tan 1x1x1 2/3 brick with 2 studs on 1 side on the back row on the 2nd column from the right, so the side studs face the back, and it sits on the tan 1x1 brick with a back facing side stud. Place a tan 1x1 slope tile on the ppp, so it slopes to the front.

29. Let's make a part! Place a tan 2x2 slope brick in front of you, so it slopes to the back. Horizontally place a tan 1x2 tile on the ppp. Bring back your sub build, so the open side and the overhanging bricks face the front. Place your part upright on the 2 rows of top facing side studs, so it is centered horizontally and it slopes upward. It sits between the 2 front overhanging bricks. Place a dark tan 1x1 plate on top of your part, on the 2nd row from the front on the leftmost column. Repeat symmetrically to the right. Vertically place a tan 1x2 curved left slope wedge tile in front of the ppp, so it slopes to the front and 1 row overhangs to the front. Vertically place a tan 1x2 curved right slope wedge tile symmetrically to the left.

30. Let's make a part! Horizontally place a tan 1x8 plate in front of you. Horizontally place the left column of a tan 1x2 curved right slope wedge tile on the rightmost column, so it slopes to the right, and 1 column extends to the right. Horizontally place a dark tan 1x2 plate with 3 spikes to the left of the ppp, so the spikes face the front. Vertically place the back row of a tan 1x2 curved left slope wedge tile to the left of the ppp, so it slopes to the front and 1 row extends to

the front. Place a tan 2x2 curved slope tile to the left of the ppp, so it slopes to the front. Place another to the left of the ppp, so it slopes to the front. Bring back your sub build, so the open side faces the left. Place your part vertically upright on the right column of front facing side studs, so the vertical 1x2 curved right slope wedge tile is at the top and the 3 spikes face the right.

Group 10:

31.1 Let's make a part! Horizontally place a dark tan 3x8 right wedge plate in front of you, so the long straight side is at the back, and the short side faces the right. Place a tan 1x1 slope tile on the 2nd column from the right of the back row, so it slopes to the front.

31.2 Horizontally place a tan 2x4 right wedge plate to the left of the ppp, so the long straight side faces the back, and the short side faces the right. Place a tan 2x4 left wedge plate symmetrically to the left of the ppp, so 2 columns overhang to the left.

31.3 Horizontally place the 2 right columns of a tan 2x4 left wedge plate underneath the left overhang, so the long straight side faces the back, and the short side faces the left, and 2 columns are exposed to the left. Rotate your part 90 degrees clockwise so the short side of the 3x8 right wedge plate faces the front.

31.4 Bring back your sub build, so the open side faces the left and the side where you attached the previous part in the previous step is at the front. Attach your part vertically upright to the left column of front facing side studs, to the left of the part you attached in step 30.

32.1 Let's make a part! Horizontally place a tan 1x8 plate in front of you. Horizontally place a dark tan 1x2 plate with 3 spikes on the 2 right columns, so the spikes face the front. Repeat symmetrically to the left.

32.2 Then place the back row of a tan 2x2 curved slope tile to the right of the ppp, so it slopes to the front. Repeat symmetrically to the right. Rotate your part 90 degrees clockwise so the ppps slope to the left.

32.3 Bring back your sub build, so the open side faces the right and the side where you attached the previous part faces the back. Place your part vertically upright, then attach the right column to the left column of front facing side studs of your sub build.

33.1 Let's make a part! Horizontally place a dark tan 3x8 left wedge plate in front of you, so the long straight side faces the back, and the short side faces the left. Place a tan 1x1 slope tile on the 3rd column from the right of the back row, so it slopes to the back. Place another symmetrically in front of the ppp.

33.2 Horizontally place a tan 2x4 left wedge plate to the left of the ppps, so the long straight side is at the back, and the short side faces the left. Horizontally place the 2 left columns of a tan 2x4 right wedge plate on the 2 back rows on the 2 right columns of your part, so the long straight side faces the back, and the short end faces the right, and 2 columns overhang to the right.

33.3 Horizontally place the front left corner of a tan 2x4 left wedge plate underneath the right overhang, so 2 columns are exposed to the right, the long straight side faces the front, and the short side faces the right. Turn your part 90 degrees counterclockwise, so the short side of the ppp faces the back.

33.4 Bring back your sub build so the open side faces the right and the side where you attached the previous part is at the front. Place your 2 left columns of your part vertically upright on the 2 right columns of front facing side studs of your sub build.

Group 11:

34. Let's make a part! Horizontally place a tan 1x8 plate in front of you. Then vertically place the front row of a tan 3x4x2/3 curved wedge plate with cutout on the 3 right columns of the ppp, so the cutout faces the right and 3 rows overhang to the back.

35. Horizontally place the 3 right columns of a tan 1x8 plate underneath the back row of the ppp, so it is symmetrical to the front 1x8 plate. Horizontally place the 8 left columns of a tan 2x14 plate in front of the ppp, so 6 columns are exposed to the right.

36. Horizontally place a tan 1x2 plate with pin hole on the back row on the 4th and 5th columns from the left, so the pin hole is at the left with its holes facing front to back. Repeat symmetrically to the front. Vertically place a sand green 1x2 jumper plate behind the right column of the ppp. Skip 1 column to the left and place another vertically, so it is centered vertically. Skip 1 column to the left and place another vertically, so it is centered vertically.

37. Insert a light grey 1L pin with stud from front to back into the front facing pin hole. Repeat symmetrically to the back inserting from back to front. Vertically place a dark tan 1x4 plate on the 5th column from the left, so it sits to the right of the pin holes. Vertically place a dark tan 1x2 plate with 3 spikes to the right of the ppp, so it is centered vertically and the spikes face the right.

38. Vertically place a tan 1x2 tile to the left of the ppp, so it is centered vertically. Vertically place a dark tan 1x4 double curved slope tile on the leftmost column. Place a dark tan 1x1 slope tile on the front row on the 3rd column from the left, so it slopes to the front and sits in front of the vertical 1x2 jumper plate. Repeat symmetrically to the back.

Group 12:

39. Horizontally place a tan 2x3 plate on the 3rd through 5th columns from the right, so it is centered vertically; place the back row of a tan 1x2 curved left slope wedge tile to the left of the front row of the ppp, so it slopes to the front. Place a tan 1x2 curved right slope wedge tile symmetrically to the back.

40. Horizontally place the 2 left columns of a tan 2x4 right wedge plate on the 2 right columns of your part, so the long straight side faces the back, and the short side faces the right. Place the 2 left columns of another horizontally in the same position underneath the right overhang, so 2 columns extend to the right.

41. Place a tan 1x1 slope tile on the back row of the 4th column from the right, note that we are counting only the rows of this mentioned column here, as the build is very irregular, so it slopes to the right, and it sits on the first 2x4 right wedge plate from the previous step. Place another symmetrically to the left of the ppp. Rotate your part 90 degrees counterclockwise so the short side of the 2nd right wedge plate faces the back.

42. Bring back your sub build and position it in front of you, so the open side faces the back. Attach your part vertically upright to the front side of your sub build to the front facing side studs, so the short side of your part is at the top.

Group 13:

43. Flip your sub build so it sits on its back side and the short end of your attached part in the previous part faces the back. Rotate your sub build 90 degrees counterclockwise, so the top long protruding end faces the left. Locate the upward front facing horizontal dark tan 1x2 plate with 3 spikes on the front facing side of your sub build, place a dark tan 1x1 slope tile on the front facing side stud to the left of the 3 spikes, so it slopes upward. Place the left column of a tan 1x2 curved right slope wedge tile horizontally upright on the rightmost column of front facing

side studs of the bottom row, so it slopes to the right and 1 column overhangs to the right. Place a tan 1x2 curved left slope wedge tile symmetrically to the back side of your sub build.

Group 14:

44.1 Let's make a part! Horizontally place a dark grey 1x2x1 2/3 brick with side studs on 3 sides in front of you, so the 2x2 side studs face the front. Horizontally place the 1x2 plate of a tan 1x2 plate with 2x2 side studs hanging down on the ppp, so the side studs face the back.

44.2 Place a tan 2x2 slope brick on the back facing side studs, so it slopes downward.

44.3 Horizontally place the left column of a tan 1x2 curved left slope wedge tile on top of your part on the right column, so it slopes to the right and 1 column overhangs to the right. Place a tan 1x2 curved right slope wedge tile symmetrically to the left.

44.4 Place a tan 1x2 rounded plate vertically upright on the right side of your part, on the right side facing studs. Repeat symmetrically to the left. Place a dark tan 1x2 plate with 3 spikes vertically upright on the ppp, so the spikes face the back. Repeat symmetrically to the right.

44.5 Place a tan 1x1 slope tile on the bottom row of the ppp, so it slopes to the back. Repeat symmetrically to the left.

44.6 Rotate your part 90 degrees clockwise, so the 2x2 side studs face the left and the 2x2 slope brick faces the right. Bring back your sub build, so it is horizontally in front of you and the narrow long protruding end is at the left, and the antistuds face the right. Attach your part to the right facing antistuds of your sub build just above the right overhanging front and back horizontal 1x2 curved right and left slope wedge tiles from the previous step. Rotate your sub build 90 degrees clockwise, so the part you have just attached is facing the front.

45. Bring back your main build and place it in front of you so 2 tan 1x1 slope tiles are at the front and the 1x2 slope tile of the structure you built in step 11 is at the back. Vertically place your sub build on top of your main build, so it is centered horizontally and clip the 2 bottom clips to the bar handle of the base.

Base and fallen trunk assembled — nature's set is ready; the next bag will give you mushrooms and the start of the Hercules beetle!

Building Instructions (Bag 4, Book 2):

Group 15:

46.1 Rotate your build 90 degrees clockwise, so the narrow protruding end is at the right.

46.2 Let's make 2 identical parts! Let's build 2 mushroom stipes! Place a white dinosaur tail end section horizontally in front of you, so it curves to the front, and the bar is at the back right. Attach the hole of a white bar holder with handle from left to right onto the left tip of the ppp, so the handle faces vertically to the left. You should now have 2 identical parts!

46.3 Stack 2 white candle sticks. Take the first part and place your stack on the back right end of your part. Attach it to the top right facing clip of your main build located underneath the long narrow protruding end of your trunk, it can be difficult to find as it is a little bit hidden. Attach the left bar of the bar holder of your part to that clip so the candles stand upward.

46.4 Locate the clip underneath the one where you attached the first part. Attach your second part using the bar holder to that clip, so the right facing short bar of the dinosaur tail section points upward.

47.1 Let's make 2 identical parts! Let's build 2 mushroom caps! Place a white 1x1 cone brick upside down, so the big hollow's end is at the top. Insert a red 2L axle from top to bottom onto the top big hollow's end of the ppp, so 1L of the axle extends upward.

47.2 Slide a light blue 2x2 round plate with axle hole using the axle hole from top to bottom through the ppp, until it meets the 1x1 cone brick, so the studs face up and 0.5L of the axle extends upward.

47.3 Attach a light blue 4x4x2/3 round brick with dome top and axle hole using the bottom axle hole from top to bottom onto the upward extending 0.5 axle end, so the studs face up. Place a light blue 1x1 round plate on top of the top facing hole of the ppp, so the open stud faces up. You should now have 2 identical parts!

47.4 Bring back your main build, so the upward curving stipes you attached in the previous step are at the front. Attach each part to the bar of the top candle stick using the bottom facing hole of your part.

48.1 Let's make a part! Place a tan 1x2 plate with bottom pin connector on 1 side horizontally in front of you, so the pin connector is at the right and its holes face front and back, and the plate is at the top. Insert a black 2L pin from front to back into the front facing hole, so 1L of the pin extends to the front. Place a tan 1x2 plate with bottom pin connector on 1 side horizontally in front of you, so the pin connector is at the right and its holes face front and back, and the plate is at the top. Insert a black 2L pin from front to back into the front facing hole, so 1L of the pin extends to the front. Place a tan 1x2 plate with bottom pin connector on 1 side horizontally in front of your part, so the pin connector is at the right and its holes face front and back, and the plate is at the top. Attach its back facing hole from front to back onto the front extending 1L pin.

48.2 Bring back your main build so the 2 mushrooms are on the right. Locate 2 pin connectors 1 at the front left and 1 at the back left of the fallen log. Place your part inside the space between the horizontal front and back 1x2 plates with 1 stud and a pin connector from step 36. Ensure that the front facing pin hole of your part aligns with the back facing pin hole of the front pin connector and that the back facing hole of your part aligns with the front pin hole of the back pin connector. Then insert a tan 4L bar from front to back into the front facing open stud of the light grey 1L pin with stud, you attached in step 37 to the front facing pin hole of the front pin connector. Push it through, so it passes through the front pin connector of the horizontal front 1x2 plate with stud and upright pin connector, through the front and back pin connectors of your part and through the front facing hole of the back pin connector of the horizontal back 1x2 plate with a stud and an upright pin connector.

Group 16:

49. Let's make a part! Let's start building the beetle! Horizontally place a reddish brown 2x6 plate in front of you. Vertically place a dark orange 1x2 rounded plate on the rightmost column.

50. Horizontally place a black 2x4 plate to the left of the ppp. Then place the back row of a black 2x2 plate with bottom pin connector to the left of the front row of the ppp, so the bottom pin connector faces the left and its holes face left to right. Place another symmetrically to the back.

51. Turn your part upside down so the pin connectors are on the left. Vertically place a dark orange 1x2 curved inverted slope tile on the 2 back rows of antistuds to the right of the back pin connector, so it slopes to the back and the right facing hole of the back pin connector is hidden. Repeat symmetrically to the front.

52. Horizontally place a black 1x2 plate with a bottom pin connector on 1 side to the right of the back row of the ppp, so the pin connector is at the left with its pin holes facing front to back.

Place another symmetrically to the right. Then repeat both placements symmetrically to the back. Vertically place a dark orange 1x2 rounded plate on the rightmost column of antistuds.

53. Horizontally place a reddish brown 1x2 plate with 1x2 upright facing side studs on the front row of your part on the 3rd and 4th columns of antistuds from the right, so the side studs face the front, and it sits on the 2 horizontal front 1x2 plates with bottom pin connector on one side. Repeat symmetrically to the back. Turn your part right side up, so it is horizontally in front of you and the bottom pin connectors face the left, the front, and the back.

Group 17:

54. Vertically place a black 1x2 plate with 1x2 side studs hanging down on the rightmost column of your part, so the side studs face the right. Horizontally place a gold 1x2 plate with 3 teeth on the right side studs of the ppp, so the teeth point downward. Rotate your part 90 degrees clockwise so the ppp is at the front. Place a reddish brown 1x1 quarter round tile on the left column of front facing side studs of the ppp, so the right angle faces the top right, and the rounded edge faces the bottom left. Repeat symmetrically to the right.

55. Vertically place a reddish brown 1x2 plate with 1x4 side studs hanging down on the 2nd and 3rd rows from the front on the left column, counting the rows with visible studs, so the side studs face the left. The vertical 1x2 plate of the 1x2 plate with 1x4 side studs hanging down sits behind the left column of the horizontal front 1x2 plate with 1x2 studs hanging down from the previous step. Repeat symmetrically to the right.

Group 18:

56.1 Let's make a part! Vertically place a light grey 1x2 plate with tow ball socket on 1 long side in front of you, so the socket faces the left. Vertically place a dark orange 1x2 rounded plate on the ppp.

56.2 Vertically place a gold 1x2 plate with 3 teeth on the ppp, so the teeth face the left.

56.3 Horizontally place a black 2x5 stair plate in front of you, so the higher plate with 3 columns is at the top left. Place your part underneath the 2nd column from the left of your 2x5 stair plate.

56.4 Horizontally place a reddish brown 1x2 plate with 1x2 upright facing side studs on the leftmost column of your part, so the side studs face the left. Vertically place a dark orange 1x2 rounded plate to the right of the ppp. Place a black 1x2 half round tile to the right of the ppp, so the rounded edge faces the right.

56.5 Bring back your beetle sub build so the gold 1x2 plate with 3 teeth faces the right. Place your part horizontally on top of your sub build on the 4 left columns, so it is centered vertically and 1 column overhangs to the left. The socket should face the left.

57. horizontally place the 2 left columns of a reddish brown 2x3 plate with hole on the 2 right columns of your sub build, so the hole and the rounded edge are at the right above the 2 right facing 1x1 quarter round tiles. Vertically place a dark orange 1x2 rounded plate to the left of the ppp. Horizontally place a reddish brown 1x2 plate with 1x2 upright side studs to the left of the front row of the ppp, so the side studs face the front. Repeat symmetrically to the back.

58. Place a dark brown 2x2 tile on the 2 ppps.

59. Horizontally place a black 1x2x1 2/3 brick with 2x2 studs on 1 side on the leftmost column of the front row of your part (we are counting here the columns of this mentioned row), so the side studs face the front and 1 column overhangs to the left above the bottom left facing pin hole. Place a black 1x1x1 2/3 brick with 2 studs on 1 side to the right of the ppp, so the side studs face the front. Repeat both placements symmetrically to the back.

Group 19:

60.1 Place a black 1x2 rounded plate horizontally upright on the top row of front facing side studs on the 2 left columns, so it attaches to the black 1x2x1 2/3 brick with 2x2 front facing side studs. Place a gold 1x2 plate with 3 teeth below the ppp, so the teeth point downward. Place a gold 1x1 round plate with open stud to the right of the ppp, place a dark brown 1x1 slope tile to the right of the ppp, so it slopes upward and sits on the left column of side studs of the front horizontal reddish brown 1x2 plate with 1x2 upright side studs from step 58.

Group 20:

60.2 Place the back row of a dark orange 1x2 rounded plate vertically upright to the right of the ppp on the front facing side studs. Place another horizontally upright to the right of the bottom row of the ppp.

61. Place the left column of a dark brown 1x2 curved right slope wedge tile horizontally upright on the right column of the ppp, so it slopes to the right. Then place the back row of a dark brown 2x2 curved slope tile to the left of the ppp, so it slopes upward. Place a gold 1x2 plate with 3 teeth on the 2nd and 3rd columns from the left of front facing side studs on the bottom row, so the teeth point downward and it sits on the right column of the gold 1x2 plate with 3 teeth and on the gold 1x1 round plate with open stud from the previous step.

Group 21:

62.1 Place a black 1x2 rounded plate horizontally upright on the top row of back facing side studs on the 2 left columns, so it attaches to the black 1x2x1 2/3 brick with 2x2 back facing side studs. Place a gold 1x2 plate with 3 teeth below the ppp, so the teeth point downward. Place a gold 1x1 round plate with open stud to the right of the ppp, place a dark brown 1x1 slope tile to the right of the ppp, so it slopes upward and sits on the left column of side studs of the back horizontal reddish brown 1x2 plate with 1x2 upright side studs from step 58.

Group 22:

62.2 Place the back row of a dark orange 1x2 rounded plate vertically upright to the right of the ppp on the back facing side studs. Place another horizontally upright to the right of the bottom row of the ppp.

63. Place the left column of a dark brown 1x2 curved left slope wedge tile horizontally upright on the right column of the ppp, so it slopes to the right. Then place the back row of a dark brown 2x2 curved slope tile to the left of the ppp, so it slopes upward. Place a gold 1x2 plate with 3 teeth on the 2nd and 3rd columns from the left of the back facing side studs on the bottom row, so the teeth point downward and it sits on the right column of the gold 1x2 plate with 3 teeth and on the gold 1x1 round plate with open stud from the previous step.

64. Place a gold 1x1 round plate with open stud on the rightmost back facing side stud, to the right of the dark brown 1x1 slope tile from step 62. Repeat symmetrically to the front. Vertically place the back row of 3 dark brown 1x2 curved left wedge slope tiles on top of your part on the front row of studs on the 3 right columns, so they slope to the front. Vertically place 3 dark brown 1x2 curved right slope wedge tiles symmetrically to the back.

65. Vertically place a black 3x4x2/3 curved wedge plate with cutout on the leftmost column on top of your part, so it slopes to the left and 2 columns overhang to the left. Then vertically place a reddish brown 1x4 plate to the right of the ppp, it sits on a vertical dark orange 1x2 rounded plate from step 57 and on the front and back horizontal black 1x2x1 2/3 bricks with 4 studs on 1 side from step 59.

66. Place a black 1x1 quarter round tile on the back row of the ppp, so the right angle faces the back left and the rounded edge the front right. Repeat symmetrically to the front. Place a reddish brown 1x1 round plate with bar handle behind the ppp, so the bar handle faces the right. Repeat symmetrically to the back.

Group 23:

67. Vertically place a dark orange 1x2 rounded plate to the left of the 2 ppps. Place the left column of a dark brown 2x2 round plate with axle hole on the ppp. Vertically place a black 1x2 half round tile on the right column of the ppp, so the rounded edge faces the right. Vertically place a black 1x2 plate with 1x2 side studs hanging down to the left of the ppp, so the side studs face the left. You've built the beetle's body!

68. Let's make a part! Let's start building the beetle's head! Place a black 2x2 plate in front of you. Place 2 dark brown 1x1 slope tiles on the front row, so they slope to the front. Horizontally place a black 1x2 base hinge brick behind the ppps, so the hinge faces the front. Attach the bottom bar located at the back of a black 2x2 hinge brick top plate to the ppp. Push it forward so it slopes to the front. Rotate your part 180 degrees, so the sloping part is at the back. Bring back your beetle sub build and position it vertically in front of you, so the overhanging 3x4x2/3 curved wedge plate with cutout is at the front. Place your part upright on the front facing side studs between the 2 overhanging rows, so it slopes upward.

69. Rotate your sub build 90 degrees clockwise, so it is horizontally in front of you and your previous attached part faces the left. Place the right column of a black 2x3 curved left slope wedge tile horizontally upright on the leftmost column of front facing side studs, so it slopes to the left and 2 columns overhang to the left. Place a black 2x3 curved right slope wedge tile symmetrically to the back. Place a black 2x3 curved left slope wedge tile vertically upright to the right of the ppp, on the back facing side studs, so it slopes upward. Place a black 2x3 curved right slope wedge tile symmetrically to the front.

Group 24:

70.1 Let's make a part! Let's build the beetle's horn! Stack 2 black 2x2 plates. Vertically place a black 1x2 rounded plate on top of your stack on the right column.

70.2 Place 2 black 1x1 plates with horizontal tooth to the left of the ppp, so the teeth face the left.

70.3 Place a black curved dinosaur neck tail on top of your part, so it curves upward to the left. Insert a red 1L pin with stud from left to right into the left facing hole of the ppp.

70.4 Place a black 1x1 cone brick on the ppp. Then insert the bottom bar of a black horn from left to right into the open stud of the ppp, so the horn curves downward to the left.

70.5 Bring back your main build and place it horizontally in front of you so the side studs face the left. Place the base of your part upright on the left facing side studs of your sub build, so the curved dinosaur tail faces the left and curves downward to the left and the teeth face downwards.

Group 25:

71. Let's make a part! Let's build the beetle's mouth! Horizontally place a black 1x2 rounded plate in front of you. Horizontally place a black 1x2x2/3 brick with studs on sides and extended stud receptacle on the ppp, so the extended stud receptacle faces the right.

72. Place a reddish brown ball on the right front facing side stud. Repeat symmetrically to the back.

73. Place a gold 1x1 round plate with open stud on top of your part on the right column. Insert the black horn from front to back into the left front facing side stud, so it curves to the right. Repeat symmetrically to the back, inserting from back to front.

74. Place a dark tan 2x2 curved slope tile on top of your part on the 2 left columns, so it is centered vertically and it slopes to the left.

75. Place a black 1x1 plate with tooth upright on the left facing side stud, so the tooth faces up. Place a black 1x1*2x/3 brick with open stud upright on the ppp.

76. Place a black 1x1 plate with tooth upright on the ppp, so the tooth faces up. Place a black 1x1x2/3 brick with open stud upright on the ppp. Flip your part so it sits on the extended stud and the 1x2 anti studs face vertically the left and the teeth point horizontally to the right.

77. Place a black 1x1 round tile with upright bar on top of your part. Place a black mechanical arm on the ppp, so the arm faces the right, and it attaches by the bottom hole.

78. Insert the 1L bar of a reddish brown 1L bar with claw from left to right into each of the upright 1x2 left facing antistuds, so the hands of both claws face up and down.

79. Insert a light grey 1L bar with tow ball from bottom to top into the bottom facing hole of your part. Flip your part, so it sits on the claws side, and the tow ball faces the right. Bring back your sub build, so the dinosaur tail faces the left curving downward. Horizontally attach your part using the right facing tow ball to the left facing tow ball socket of your sub build from step 56, so the teeth face up.

The blue-capped mushrooms and the beetle's body, head, and horn are done — nice work. The next bag gives you the legs and all four wings, so the Hercules can finally stand tall (and pretend to fly)!

Building Instructions (Bag 5, Book 2):

Group 26:

80.1 Turn your beetle sub build upside down so the mouth build you have just attached faces the left.

80.2 Let's make 4 identical parts! Let's build the 4 body legs! Locate a black 2L hinge cylinder with axle hole and hold it vertically upright, so the hands of the hinge face left and right. Insert the axle end of a blue 2L pin axle from bottom to top into the bottom axle hole of the ppp, so the 1L pin end extends downward.

80.3 Attach the bottom arm of a black 2L hinge arm cylinder with axle hole to the top hinge of your part. Insert a green 3L bar from top to bottom into the top axle hole of the ppp, so 2L of the bar extends upward. Slide an upside down black 1x1 cone brick through the bar until it reaches the black 2L hinge arm cylinder with axle hole, so the wide hole faces up and 1L of the bar extends upward. Attach the bottom hole of a black bar holder from top to bottom onto the 1L upward extending bar, so the hands of the clip face left to right. Vertically attach a black bucket handle to the clip, so the ends of the handle face up. You should now have 4 identical parts!

80.4 Bring back your sub build, so it is horizontally in front of you and the attached part from the previous step is at the top and faces the left, remember the sub build is upside down. Insert the pin of the first part from front to back into the front top left facing pin hole. Repeat symmetrically to the right. Repeat both placements symmetrically to the back, inserting from back to front.

81.1 Let's make 2 identical parts! Place a black 1L axle with pin connector horizontally in front of you, so the axle faces the right, and the pin holes are facing front to back. Insert a black 2L pin from back to front into the back facing pin hole, so 1L of the pin extends to the back.

81.2 Attach the left facing axle hole of a black 2L hinge cylinder with axle hole from right to left onto the 1L right facing axle, so the hands of the hinge face up and down. Attach the left arm of a black 2L hinge arm cylinder with axle hole to the right facing hinge of the ppp.

81.3 Insert a green 3L bar from right to left into the right facing axle hole of the ppp, so 2L of the bar extends to the right. Slide a black 1x1 cone brick through the bar until it reaches the black 2L hinge arm cylinder with axle hole, so the wide hole faces the right and 1L of the bar extends to the right. Attach the left hole of a black bar holder from right to left to the 1L right extending bar, so the hands of the clip face up and down. Vertically attach a black bucket handle to the clip, so the ends of the handle face the right. You should now have 2 identical parts!

81.4 Bring back your sub build so it is vertically in front of you and the dinosaur tail is curving up at the front. Rotate your parts 190 degrees. Insert the back facing 1L extending pin of your first part from front to back into the top front right facing pin hole from front to back. Repeat symmetrically to the left. Turn your beetle sub build right side up.

82.1 Bring back your main build, so the fallen log with a rotted-out end is in front of you and the rotted-out end faces the back. Vertically attach your beetle on top of the fallen log on the 2 front rows, so it is centered horizontally, and the bottom beetle antistuds of the 2 reddish brown 1x2 plates with 1x2 upright facing side studs from step 53 attach to the 2 tan 1x2 plates with bottom pin connector on 1 side of the fallen log from step 48.

82.2 Once the beetle is placed on top of the log, we can position the legs properly. Bend the two front legs so they form a right angle of 90 degrees, with the lower section extending forward. Use the claw of the front right leg to grip the stipe of one of the mushrooms. Bend the middle and rear legs so they point downward. Then curve the claws inward on both sides of the beetle, symmetrically, as if it were holding onto the fallen log.

Group 27:

83. Let's make a part! You'll start building the first pair of wings, the inner ones which are the flight wings! Let's build the left flight wing. Place a nougat 4x4 quarter round plate in front of you, so the right angle faces the back left and the rounded edge faces the front right. Place a transparent 4x4 curved corner tile on the ppp, following the rounded edge and its shape.

84. Place a transparent yellow 1x1 quarter round tile to the left of the back row of the ppp, so the right angle faces the back left and the rounded edge the front right. Place a transparent orange 1x1 tile to the left of the ppp. Then place a transparent yellow 1x1 quarter round tile in front of the ppp, so the right angle faces the back left and the rounded edge the front right. Vertically place a transparent orange 2x3 pentagonal tile to the left of the 2 ppps, so the triangular side faces the front and 1 column overhangs to the left.

85. Vertically place the back right corner of a nougat 2x4 plate underneath the left overhang. Horizontally place the right column of a transparent orange 2x3 pentagonal tile on the back left corner of your part, so the triangular side faces the left and 2 columns overhang to the left.

86. Place the back row of a nougat 4x4 quarter round plate underneath the front row of the ppp, so the right angle faces the front right and the rounded edge faces the back left.

Group 28:

87. Vertically place a transparent orange 2x3 pentagonal tile on the 3 back rows of the ppp, so it is centered horizontally on the ppp, and the triangular side faces the back. Horizontally place a transparent orange 1x2 tile to the right of the front row of the ppp. Place another horizontally behind the ppp. Then place a reddish brown 1x1 quarter round tile on the 2nd row from the front on the 5th column from the right counting the entire build, so it sits to the right of the 1 horizontal 1x2 tile and its right angle faces the front right and its rounded edge faces the back left.

88. Horizontally place the right column of a reddish brown 1x2 curved slope tile on the front row on the leftmost column of your part, so 1 column extends to the left and it slopes to the left. Horizontally place a reddish brown 1x4 tile to the right of the ppp, so 1 column overhangs to the right. Place a reddish brown 1x1 round plate with bar underneath the right overhang, so the bar points horizontally the right.

89. Turn your part upside down, so the horizontal 1x2 curved slope tile is at the back sloping to the left. Place a transparent orange 2x2 inverted round tile on top of your part on the 2 back rows of antistuds, so it is centered horizontally. Place the back row of another to the right of the front row of the ppp. Place another in front of the ppp. Then place the front row of another to the left of the back row of the ppp. You should have placed 4 2x2 inverted round tiles in total.

90. Stack 3 reddish brown 1x1 round plates with open stud. Attach the wide hollow antistud of your stack from right to left onto the right facing bar of the 1x1 round plate with bar located at the back of your part. Horizontally insert the bar of a reddish brown dinosaur tail with bottom bar from right to left into the open stud of the ppp, so it curves to the front right following the shape of the back right outer edge of the wing.

91. Let's make a part! Horizontally place a nougat 1x4 curved inverted slope tile in front of you, so it slopes upward to the left. Place a reddish brown 1x1 plate on the 2nd column from the right. Place a reddish brown 1x1 round plate with bar to the right of the ppp, so the bar faces horizontally to the right. Bring back your wing and place it horizontally and upside down in front of you, so the dinosaur tail is at the back and on the right. Place your part horizontally on the 4 left columns of the back row, so the bar protrudes to the left, and it sits to the left of the 2x2 inverted round tile.

92. Bring back your main build and place it in front of you, so the log is in front of you and the beetle faces the back. Locate an open stud at the left side of the beetle starting from the front and close to the top. Turn your wing right side up so the bar of the ppp faces the right. Hold the wing horizontally upright so the antistuds face the back. Insert the right facing bar from left to right into the left facing open stud of the beetle you have located.

Group 29:

93. Let's make a part! Let's make the right flight wing! Place a nougat 4x4 quarter round plate in front of you, so the right angle faces the back right and the rounded edge faces the front left. Place a transparent 4x4 curved corner tile on the ppp, following the rounded edge and its shape.

94. Place a transparent yellow 1x1 quarter round tile to the right of the back row of the ppp, so the right angle faces the back right and the rounded edge the front left. Place a transparent orange 1x1 tile to the right of the ppp. Then place a transparent yellow 1x1 quarter round tile in front of the ppp, so the right angle faces the back right and the rounded edge the front left. Vertically place a transparent orange 2x3 pentagonal tile to the right of the 2 ppps, so the triangular side faces the front and 1 column overhangs to the right.

95. Vertically place the back left corner of a nougat 2x4 plate underneath the right overhang. Horizontally place the left column of a transparent orange 2x3 pentagonal tile on the back right corner of your part, so the triangular side faces the right, and 2 columns overhang to the right.

96. Place the back row of a nougat 4x4 quarter round plate underneath the front row of the ppp, so the right angle faces the front left, and the rounded edge faces the back right.

Group 30:

97. Vertically place a transparent orange 2x3 pentagonal tile on the 3 back rows of the ppp, so it is centered horizontally on the ppp, and the triangular side faces the back. Horizontally place a

transparent orange 1x2 tile to the left of the front row of the ppp. Place another horizontally behind the ppp. Then place a reddish brown 1x1 quarter round tile on the 2nd row from the front on the 5th column from the left counting the entire build, so it sits to the left of the 1 horizontal 1x2 tile and its right angle faces the front left, and its rounded edge faces the back right.

98. Horizontally place the left column of a reddish brown 1x2 curved slope tile on the front row on the rightmost column of your part, so 1 column extends to the right, and it slopes to the right. Horizontally place a reddish brown 1x4 tile to the left of the ppp, so 1 column overhangs to the left. Place a reddish brown 1x1 round plate with bar underneath the left overhang, so the bar points horizontally to the left.

99. Turn your part upside down, so the horizontal 1x2 curved slope tile is at the back sloping to the right. Place a transparent orange 2x2 inverted round tile on top of your part on the 2 back rows of antistuds, so it is centered horizontally. Place the back row of another to the left of the front row of the ppp. Place another in front of the ppp. Then place the front row of another to the right of the back row of the ppp. You should have placed 4 2x2 inverted round tiles in total.

100. Stack 3 reddish brown 1x1 round plates with open stud. Attach the wide hollow antistud of your stack from right to left onto the left facing bar of the 1x1 round plate with bar located at the back of your part. Horizontally insert the bar of a reddish brown dinosaur tail with bottom bar from left to right into the open stud of the ppp, so it curves to the front left following the shape of the back left edge of the wing.

101. Let's make a part! Horizontally place a nougat 1x4 curved inverted slope tile in front of you, so it slopes upward to the left. Place a reddish brown 1x1 plate on the 2nd column from the right. Place a reddish brown 1x1 round plate with bar to the right of the ppp, so the bar faces horizontally to the right. Bring back your wing and place it horizontally and upside down in front of you, so the dinosaur tail is at the back and on the left. place your part horizontally on the 3 right columns of the back row, so the bar protrudes to the right.

102. Bring back your main build and place it in front of you, so the log is in front of you and the beetle faces the back. Locate an open stud at the right side of the beetle starting from the front and close to the top. Turn your wing right side up so the bar of the ppp faces the left. Hold the wing horizontally upright so the antistuds face the back. Insert the horizontal left facing bar from right to left into the right facing open stud of the beetle you have located previously.

Group 31:

103. Let's make a part! Let's build the outer wings called elytra. Let's start by building the left elytra wing! Horizontally place a yellow 1x4 brick with 4 studs on a long side in front of you, so the side studs face the front. Horizontally place a nougat 1x2 plate on top of the ppp on the 2 right columns of your part.

104. Horizontally place a black 1x2 plate with clip on a short side to the left of the ppp, so the clip faces the left and the hands of the clip face up and down. Horizontally place a black 1x3 plate on the 3 left columns of your part.

105. Place an orange 1x1 quarter round tile on the leftmost column of the ppp, so the right angle faces the front right and the rounded edge faces the back left. Place an orange 1x1 plate to the right of the ppp.

Group 32:

106.1 Let's make a part! Horizontally place a yellow 1x3 plate in front of you. Place an orange 1x1 plate on the leftmost column.

106.2 Horizontally place a yellow 1x2 tile with slope and cut out to the right of the ppp, so it slopes to the right. Horizontally place a nougat 1x2 plate on the 2 left columns of your part.

106.3 Horizontally place the 2 right columns of a yellow 1x4 curved slope tile on the 2 left columns of your part, so it slopes to the right, and 2 columns overhang to the left.

106.4 Bring back your previous part and place it horizontally in front of you, so the clip faces the left. Place the 2 right columns underneath the left overhang.

107. Flip your part so it sits on its back, and the side studs face up. Horizontally place a yellow 2x6 left wedge brick on the ppp, so the short side faces the right.

108. Let's make a part! Horizontally place a yellow 1x2 brick with 2 side studs on the long side in front of you, so the side studs face the front. Place a yellow 1x2 tile with slope and cutout on the ppp, so it slopes to the right.

108.2 Place an orange 1x1 plate on the ppp. Flip your part so the side studs face up. Bring back your previous part so the antistuds face the front, and the side studs face up. Place your part horizontally upright on the rightmost column of front facing antistuds, so the side studs face up.

109. Horizontally place the back row of an orange 8x3x2 open left wedge brick on the front row of your part, so the short side faces the right, and the long straight side faces the front.

110. Bring back your main build, so the log and the beetle are in front of you and the beetle is facing the back. Locate 2 horizontal bars on top of the beetle. Clip your part to the left bar, so the antistuds face down. Note that the model is currently in flight position, with the flight wings open. This means the elytra are lifted and cannot be closed. Do not push the left elytron down, as the left flight wing could easily come apart.

Group 33:

111. Let's make a part! Let's start building the right elytra wing! Horizontally place a yellow 1x4 brick with 4 studs on a long side in front of you, so the side studs face the front. Horizontally place a nougat 1x2 plate on the 2 left columns of your part.

112. Horizontally place a black 1x2 plate with clip on a short side to the right of the ppp, so the clip faces the right, and the hands of the clip face up and down. Horizontally place a black 1x3 plate on the 3 right columns of your part.

113. Place an orange 1x1 quarter round tile on the rightmost column of the ppp, so the right angle faces the front left, and the rounded edge faces the back right. Place an orange 1x1 plate to the left of the ppp.

Group 34:

114.1 Let's make a part! Horizontally place a yellow 1x3 plate in front of you. Place an orange 1x1 plate on the rightmost column.

114.2 Horizontally place a yellow 1x2 tile with slope and cutout to the left of the ppp, so it slopes to the left. Horizontally place a nougat 1x2 plate on the 2 right columns of your part.

114.3 Horizontally place the 2 left columns of a yellow 1x4 curved slope tile on the 2 right columns of your part, so it slopes to the left and 2 columns overhang to the right.

114.4 Bring back your previous part and place it horizontally in front of you, so the clip faces the right. Place the 2 left columns underneath the right overhang.

115. Flip your part so it sits on its back, and the side studs face up. Horizontally place a yellow 2x6 right wedge brick on the ppp, so the short side faces the left and the long straight side faces the front.

116.1 Let's make a part! Horizontally place a yellow 1x2 brick with 2 side studs on the long side in front of you, so the side studs face the front. Place a yellow 1x2 tile with slope and cutout on the ppp, so it slopes to the left.

116.2 Place an orange 1x1 plate on the ppp. Flip your part so the side studs face up. Bring back your previous part so the antistuds face the front, and the side studs face up. Place your part horizontally upright on the leftmost column of front facing antistuds, so the side studs face up.

117. Horizontally place the back row of an orange 8x3x2 open right wedge brick on the front row of your part, so the short side faces the left and the long straight side faces the front.

118. Bring back your main build, so the log and the beetle are in front of you and the beetle faces the back. Locate the right horizontal bar on top of the beetle, to the right of the previous attached left elytra wing. Clip your part to that bar, so the antistuds face down. Remember that the model is still in flight position, with the flight wings fully open. In this mode, both elytra remain lifted and cannot be pushed down. Avoid pressing on either elytron, as doing so could cause the corresponding flight wing to come apart. However, there is another display option: the non-flight position, with the elytra closed. If you prefer this configuration, remove the flight wings, then push the elytra down to create the non-flight pose. The flight wings would be folded and hidden inside the elytra, but in this model the instructions only provide the option to remove the flight wings and close the outer elytra. The Hercules beetle's build is complete!

Beetle, log, and mushroom in place — the scene is alive; show it off next to the butterfly diorama and enjoy your growing mini-ecosystem. You've now completed 2 of the 3 dioramas. The Chinese mantis is awaiting! Keep building!

Chinese Mantis model

Here is a small description that may help you blind Builder imagine what the model looks like once completed. On an octagonal base with a black edge, the brown surface has green patches suggesting small plants and a few ladybugs, and an inclined tree rises with a broad trunk that tapers to a crown of small green leaves and white flowers where another ladybug rests.

Perched on the wide lower trunk, the relatively large mantis has a slender, elongated body with six legs (the two front ones thicker and spiny), a triangular head with large, rounded eyes, long antennae, and a long tail; its lime-green body with golden-brown accents presents a vertical, alert silhouette, slightly leaning with front legs folded like spiny pincers.

Sorting into groups:

Book 3: Chinese mantis

Bag 6

Group 1: contains the pieces for steps 1-6.

Group 2: contains the pieces for steps 7-11.

Group 3: contains the pieces for steps 12-18.

Group 4: contains the pieces for steps 19-23.

Group 5: contains the pieces for steps 24-28.

Group 6: contains the pieces for steps 29-33.

Group 7: contains the pieces for steps 34-39.1.

Group 8: contains the pieces for steps 39.2-39.3.

Bag 7

Group 9: contains the pieces for steps 40-46.

Group 10: contains the pieces for steps 47-55.

Group 11: contains the pieces for steps 56-59.

Group 12: contains the pieces for steps 60-65.

Group 13: contains the pieces for steps 66-74.

Let's build the 3rd Model!

A note from the fan designer about the Chinese Mantis:

Perfectly color-coordinated camouflage to hide among the *Emmenopterys Henryi* branches: check. Lightning-fast reflexes to strike down unsuspecting grasshoppers, ladybirds and occasionally their own mates: check! Five eyes and a head that turns 180 degrees for optimal predator and prey detection: check. Its three middle eyes mainly register light, while the bigger ones on each side register movement. The Chinese mantis has developed highly effective, protective, and deadly traits to thrive on several continents. One of its only natural enemies is the chameleon. Mainly found in Europa, North America, and Asia, mantises can range in size from 5 to 12cm (2 to 5 inches), with females typically a bit larger than males.

Group 1:

1. Let's start by building the base! Horizontally place a black 2x14 plate in front of you. Then place a reddish brown 4x4 plate on the ppp, so it is centered horizontally and vertically.
2. Vertically place a black 2x6 plate underneath the front overhanging row of the ppp, so it is centered horizontally and 5 rows are exposed to the front. Repeat symmetrically to the back. Your build should have a cross shape.
3. Place the right angle of a black 6x6 wedge plate with cut corner underneath the back right overhanging corner of the 4x4 plate. Repeat symmetrically to the left. Then repeat both placements symmetrically to the front.
4. Place a reddish brown 4x4 plate on the 2nd through 5th rows from the front, so it is centered horizontally and sits in front of the center 4x4 plate from step 1. Repeat symmetrically to the back. Place another on the 2nd through 5th columns from the right, so it is centered vertically and sits to the right of the center 4x4 plate from step 1. Repeat symmetrically to the left.
5. Place a reddish brown 3x3 wedge plate with cut corner in front of the 3 right columns of the ppp, so the right angle faces the back right. Repeat symmetrically to the right. Then repeat both placements symmetrically to the back. Vertically place a black 1x6 tile on the rightmost column of your build, so it is centered vertically. Repeat symmetrically to the left. Place another horizontally on the front row of your build, so it is centered horizontally. Repeat symmetrically to the back.
- 6.1 Place a reddish brown 1x1 quarter round tile in front of the rightmost column of the ppp, so the right angle faces the front left, and the rounded edge faces the back right. Repeat

symmetrically to the left. Then repeat both placements symmetrically to the front. Place a reddish brown 1x1 quarter round tile on the 2nd column from the right on the 5th row from the front counting the entire build, so the right angle faces the back left and the rounded edge faces the front right and it sits to the left of the front row of the right vertical 1x6 tile. Repeat symmetrically to the back. Then repeat both placements symmetrically to the left.

6.2 Place a black 2x2 triangular tile on the 2 right columns of the 2 back rows (we are only counting these 2 rows here), so the right angle faces the front left. Place another in front of the ppp, so the right angle faces the back right. Then place another to the right of the ppp, so the right angle faces the front left. Repeat these 3 placements symmetrically to the left. Then repeat these placements twice more symmetrically to the front. Because the base is octagonal and all sides feel identical, it can be helpful to mark the first row. That way, if the base rotates while you're building, you can easily find the correct starting position again. You can mark it, for example, with a small piece of tape.

Group 2:

7. Place a sand green 1x1 round plate on the 4th column from the right of the 2nd row from the front, we are counting only the columns in this specific row here. Place the right column of a sand green 2x2 wedge plate with cut corner behind the ppp, so the right angle faces the back right. Place another symmetrically to the right of the ppp. Vertically place a sand green 2x4 right wedge plate on the 5th through 8th rows from the front, so it is centered horizontally and the short side faces the front. Place a sand green 1x1 round plate behind the right column of the ppp. Place the right column of the front row of a sand green 2x2 wedge plate with cut corner to the left of the ppp, so the right angle faces the back right. Place the front row of another to the left of the back row of the ppp, so the right angle faces the back right.

8. Place the front row of a sand green 2x2 wedge plate with cut corner to the right of the back row of the ppp, so the right angle faces the front left. Place a green 1x1 round plate with 3 leaves to the left of the back row of the ppp, so the leaves face the back. Horizontally place a sand green 2x4 left wedge plate on the 4th and 5th rows from the back on the 4th through 8th columns from the right, counting the entire build, so the short side faces the right. Place a green 1x1 round plate with 3 leaves to the right of the front row of ppp, so the leaves face the right. Place a sand green 1x1 round plate on the 3rd row from the back on the 6th column from the right counting the entire build. Place a green 1x1 quarter round tile on the 3rd column from the right of the 2nd row from the front, we are counting only the columns of this specific row here, so the right angle faces the back left and the rounded edge faces the front right and it sits to the right of the front sand green 1x1 round plate. Place another on the 4th row from the front on the 4th column from the right counting the entire build, so the right angle faces the back left and the rounded edge faces the front right. Place a green 1x1 round plate with 3 leaves on the 6th rows from the front on the 3rd column from the left, so the leaves face the right. Place another on the 7th row from the front on the 4th column from the left, so the leaves face the right.

9. Place a green 2x2 round plate with axle hole on the 3rd and 4th rows from the back on the 5th and 6th columns from the left, so it sits on the back left 1x1 round plate with 3 leaves and on 2 sand green 2x2 wedge plates with cut corner. Place a green 1x1 round plate with 3 leaves on the 5th row from the back on the 7th column from the right, so the leaves face the back and sits on the horizontal 2x4 left wedge plate. Place the right column of a green 2x2 round plate with axle hole in front of the ppp. Place another on the 3rd and 4th rows from the front on the 6th and 7th columns from the right counting the entire build, so it sits on the front 2 sand green 2x2 wedge plates with cut corner. Place a green 1x1 round plate with 3 leaves to the left of the back row of the ppp, so the leaves face the left.

10. Place a lime 1x1 flower plate on the front 2x2 round plate with axle hole from the previous step, so it is centered horizontally and vertically on that piece. Place another on the further back

2x2 round plate with axle hole, so it is centered horizontally and vertically on that piece. The flower plates go between the studs of the 2x2 round plates, into the axle hole of them, so they don't sit on any stud. Place a green 1x1 quarter round tile on the 5th row from the front on the 7th column from the right, so the right angle faces the front right and the rounded edge faces the back left. Place a lime 1x1 flower plate behind the ppp. Place a dark tan 1x1 slope tile behind the ppp, so it slopes to the left. Place a lime 1x1 flower plate on the 7th row from the front on the 4th column from the left, so it sits on the green 1x1 round plate with 3 leaves.

11. Insert the bottom bar of a green plant flower stem with bottom bar into the open stud of the front green 1x1 round plate with 3 leaves which is located on the 4th row from the front on the 7th column from the left. Insert the bottom bar of another from top to bottom into the open stud of the green 1x1 round plate with 3 leaves located on the 6th row from the front on the 3rd column from the left. Place a dark tan 1x1 plate on the 7th row from the front on the 6th column from the right, so it sits to the right of the dark tan 1x1 slope tile from the previous step. Horizontally place the left column of a tan 1x3 curved slope tile on the ppp, so it slopes to the right. Place a red 1x1 round tile printed with a ladybug pattern on the 2nd row from the front on the 7th column from the left. Place another on the 3rd row from the back on the 5th column from the left, so it sits on the back green 2x2 round plate with axle hole.

Group 3:

12. Let's make a part! Horizontally place a tan 1x12 plate in front of you. Place a sand green 1x1 brick with axle hole on the leftmost column of the ppp with its axle holes facing left to right.

13. Place 2 more to the right of the ppp with their axle holes facing left to right. Horizontally place 5 consecutive dark tan 1x2 bricks with 2 side studs on each long side to the right of the ppps on the 9 rightmost columns of your part, so the side studs face the front and the back and the rightmost 1x2 brick with 2 side studs on each long side overhangs 1 column to the right.

14. Insert a red 4L axle from left to right into the left facing axle hole of your part, so 1L of the axle extends to the left.

15. Turn your part upside down, so the 1L protruding axle faces the left. Horizontally place a dark tan 1x2 rounded plate on top of your part on the 2nd and 3rd columns of antistuds from the left. Place a tan 1x1 round plate with bar to the right of the ppp, so the bar vertically faces the front. Horizontally place a dark tan 1x2 rounded plate to the right of the ppp. Place a tan 1x1 round plate with bar to the right of the ppp, so the bar vertically faces the back. Place the front row of a tan 2x2 wedge plate with cut corner to the right of the ppp, so the right angle faces the front left and 1 row overhangs to the back. Horizontally place a dark tan 1x2 rounded plate to the right of the front row of the ppp. 2 columns should remain exposed to the right.

16. Horizontally place a dark tan 1x2 curved inverted slope tile on the 2 left columns of antistuds of your part, so it slopes to the left. Horizontally place a tan 1x8 plate to the right of the ppp. Then horizontally place a dark tan 1x2 curved inverted slope tile to the right of the ppp, so it slopes to the right.

17. Turn your part right side up, so the 1L protruding axle faces the left. Horizontally place a dark tan 1x6 plate on top of your part on the 6 right columns. Then horizontally place a tan 1x8 plate to the left of the ppp, so 1 column overhangs to the left.

18. Horizontally place a tan 1x4 plate on the 2nd through 5th columns from the right. Then horizontally place a dark tan 1x6 plate to the left of the ppp.

Group 4:

19. Horizontally place the right column of a dark tan 1x2 curved slope tile on the leftmost column of the ppp, so it slopes to the left. Horizontally place a dark tan 1x2 rounded plate to the

right of the ppp. Skip 2 columns to the right and place another horizontally so it sits on the 5th and 6th columns from the right. Place a dark tan 1x1 slope tile on the 3rd column from the right, so it slopes to the left. Horizontally place a tan 1x3 curved slope tile to the right of the ppp, so it slopes to the right and 1 column overhangs to the right.

20. Place the front row of a tan 2x4 plate horizontally upright on the 4 right column of front facing side studs. Place the front row of a tan 2x2 wedge plate with cut corner upright to the left of the ppp, so the right angle faces the bottom right.

21.1 Let's make a part! Horizontally place a tan 1x8 plate in front of you. Horizontally place the right column of a dark tan 1x2 curved slope tile on the leftmost column of the ppp, so 1 column extends to the left and it slopes to the left.

21.2 Place a tan 1x1 quarter round tile to the right of the ppp, so the right angle faces the front left, and the rounded edge faces the back right. Skip 1 column to the right and place another, so the right angle faces the front right and the rounded edge faces the back left.

21.3 Vertically place the front row of a tan 1x2 curved left slope wedge tile to the right of the ppp, so it slopes to the back, and 1 row extends to the back. Place the back row of a tan 2x2 curved slope tile to the right of the front row of the ppp, so it slopes to the front and 1 row extends to the front. Horizontally place a dark tan 1x2 rounded plate to the right of the back row of the ppp, so 1 column overhangs to the right.

21.4 Bring back your previous part and place it horizontally in front of you, so the 1L protruding axle faces the left and the overhanging 2x2 wedge plate with cut corner from step 15 faces the front. Place the 4 right columns of your current part horizontally upright on the 5 left columns of front facing side studs, so 1 column overhangs to the left.

22. Rotate your sub build 180 degrees. Place the front row of a tan 2x4 plate horizontally upright on the 4 left columns of front facing side studs. Place the front row of a tan 2x2 wedge plate with cut corner upright to the right of the ppp, so the right angle faces the bottom left.

23.1 Let's make a part! Horizontally place a tan 1x8 plate in front of you. Horizontally place the right column of a dark tan 1x2 rounded plate on the leftmost column of the ppp, so 1 column overhangs to the left.

23.2 Place the back row of a tan 2x2 curved slope tile to the right of the ppp, so it slopes to the front and 1 row extends to the front. Vertically place the front row of a tan 1x2 curved right slope wedge tile to the right of the back row of the ppp, so it slopes to the back, and 1 row extends to the back. Place a tan 1x1 quarter round tile to the right of the front row of the ppp, so the right angle faces the front left, and the rounded edge faces the back right.

23.3 Bring back your sub build and place it horizontally in front of you so the 1L protruding axle faces the right. Place the 5 left columns of your part horizontally upright on the 5 right columns of front facing side studs of your sub build, so 1 column overhangs to the right.

Group 5:

24.1 Let's make a part! Place a reddish brown 4x4 A-shaped wedge plate in front of you, so the wide open side is at the right, the cutout angle tip faces the left and a row of 4 columns is horizontally in front of you.

24.2 Horizontally place a tan 2x2 tile with upright 1x2 plate on the 2 right columns of the front row, so the antistud of the tile faces the front. Repeat symmetrically to the left.

24.3 Horizontally place the right column of a tan 1x2 curved right slope wedge tile on the left column of the ppp, so it slopes to the left and 1 column overhangs to the left. Horizontally place

a dark tan 1x2 plate with 3 spikes to the right of the ppp, so the spikes face the back. Place a dark tan 1x1 slope tile to the right of the ppp, so it slopes to the back.

24.3 Bring back your sub build so it is horizontally in front of you and the red 1L extending axle from step 14 faces the right, and the horizontal upright 1x2 curved slope tile from step 21 is at the back overhanging 1 column to the right. Rotate your part 45 degrees clockwise, so a free row with 4 columns is horizontally at the back. Place the back row of your part horizontally upright on the 2nd through 5th columns from the left of front facing side studs. The front side of your part should overhang 2 rows to the bottom of the sub build.

25. Hold your sub build horizontally upright, so the previous part overhangs 2 rows at the bottom and is facing the front. Place the right column of a tan 1x2 curved left slope wedge tile horizontally upright on the leftmost column of the bottom row of front facing side studs from your sub build, so it slopes to the left and 1 column overhangs to the left. Place a tan 1x2 curved right slope wedge tile symmetrically on the top row of front facing side studs. Place a tan 2x2 curved slope tile upright to the right of the ppps on the front facing side studs, so it slopes upward. Then place a dark tan 1x2 plate with 3 spikes horizontally upright to the right of the front row of the ppp, so the spikes face upward. Place the front row of a tan 1x2 curved right slope wedge tile to the right of the ppp, so it slopes upward.

26.1 Let's make a part! Place a reddish brown 4x4 A-shaped wedge plate in front of you, so the wide open side is at the left, the cutout angle tip faces the right, and a row of 4 columns is horizontally in front of you.

26.2 Horizontally place a tan 2x2 tile with upright 1x2 plate on the 2 left columns of the front row, so the antistud of the tile faces the front. Repeat symmetrically to the right.

26.3 Horizontally place the left column of a tan 1x2 curved left slope wedge tile on the right column of the ppp, so it slopes to the right and 1 column overhangs to the right. Horizontally place a dark tan 1x2 plate with 3 spikes to the left of the ppp, so the spikes face the back. Place a dark tan 1x1 slope tile to the left of the ppp, so it slopes to the back.

26.4 Bring back your sub build so you hold it horizontally upright in front of you and the red 1L extending axle from step 14 faces the left and the horizontal upright 1x2 curved slope tile from step 21 is at the front overhanging 1 column to the left, and the previous attached part from step 24 is at the back right overhanging 2 rows at the bottom. Rotate your part 45 degrees counterclockwise, so a free row with 4 columns is horizontally at the back. Place the back row of your part horizontally upright on the 2nd through 5th columns from the right of the bottom row of front facing side studs. The front side of your part should overhang 2 rows to the bottom of the sub build; it is symmetrical to the back part attached in step 24.

27. Place the left column of a tan 1x2 curved right slope wedge tile horizontally upright on the rightmost column of the bottom row of front facing side studs from your sub build, so it slopes to the right and 1 column overhangs to the right. Place a tan 1x2 curved left slope wedge tile symmetrically on the top row of front facing side studs. Place a tan 2x2 curved slope tile upright to the left of the ppps on the front facing side studs, so it slopes upward. Then place a dark tan 1x2 plate with 3 spikes horizontally upright to the left of the front row of the ppp, so the spikes face upward. Place the front row of a tan 1x2 curved left slope wedge tile to the left of the ppp, so it slopes upward. Place your sub build on the table, so it sits on the bottom antistud of the 4 2x2 tiles with 1x2 upright plate. The left side of the sub build should point diagonally upright at the left.

28. Bring back your main build, so the green plant flower stems with bottom bar are at the front left. Place your sub build on the 5th through 9th rows from the front on the 3rd through 6th

columns from the right, so the horizontal 1x3 curved slope tile from the base which slopes to the right from step 11 sits between the 2 front rows and the 2 back rows of your attached sub build.

Group 6:

29. Let's make a part! Horizontally place a tan 1x4 plate in front of you. Place a tan 1x1 round plate with bar on the rightmost column, so the bar faces horizontally to the right. Repeat symmetrically to the left.

30. Place a dark tan 1x1 plate to the right of the ppp. Then vertically place the front row of a dark tan 1x2 rounded plate to the right of the ppp, so 1 row overhangs to the back.

31. Horizontally place a tan 1x4 plate on top of your part. Then place a red 1x1 round tile printed with a ladybug pattern on the rightmost column.

32.1 Horizontally place the right column of a dark tan 1x2 plate with 1x2 side studs hanging down on the leftmost column of your part, so the side studs face the back and 1 column overhangs to the left.

32.2 Place a tan 1x1 quarter round tile on the right back facing side stud of the ppp, so the right angle faces the bottom left and the rounded edge faces the top right. Place another upright to the left of the ppp, so the right angle faces the bottom right and the rounded edge faces the top left.

32.3 Place another on top of your part on the leftmost column, so the right angle faces the back right and the rounded edge faces the front left. Horizontally place the left column of a dark tan 1x2 curved slope tile to the right of the ppp, so it slopes to the right.

33. Horizontally attach the left axle hole of a dark tan 3L axle and pin connector angled 135 degrees from right to left onto the right facing bar of the right 1x1 round plate with bar, so the angled tip faces the front, and its pin holes face up and down. Attach another horizontally using the right axle hole from left to right onto the left facing bar of the 1x1 round plate with bar, so the angled tip is at the back with its pin holes facing up and down.

Group 7:

34. Insert a grey 1L pin with stud from top to bottom into the top facing pin hole of the ppp, so the stud faces up. Repeat symmetrically to the right. Insert a black 2L axle from right to left into the right facing axle hole, so 1L of the axle extends to the back right following the shape of the 3L axle and pin connector angled 135 degrees. Attach the wide hollow antistud of a green 1x1 cone brick from right to left onto the right end of the ppp.

35. Vertically place a green 1x2 rounded plate with leaf on the right stud of the right 1L pin with stud, so the leaf faces the front right. Vertically place the front row of another on the left stud of the left 1L pin with stud, so the leaf faces the back left. Vertically place the front row of another on the back overhanging row of your part, so it sits on the vertical 1x2 rounded plate from step 30, and the leaf faces the back.

36. Insert the 1L bar of a green bar with 3 stems from top to bottom into the front open stud of the ppp. Insert another from top to bottom into the back row of the right 1x2 rounded plate with leaf. Insert another from top to bottom into the front row of the left 1x2 rounded plate with leaf.

37. Attach a lime 1x1 flower plate from front to back onto the front stem of the 2 right 1L bars with 3 stems, so the open stud faces the front.

38. Bring back your main build, so the trunk's base is on the left and it tilts to the right. Hold your part horizontally upright and attach the bottom left facing hole of your part from right to left onto the right red 1L extending axle of the tilted trunk.

39.1 Let's make 3 identical parts! Hold a green flower plant stem with bottom bar vertically upright so the longest stem faces the front. Attach the wide hole of a lime 1x1 flower plate from front to back onto the front facing stem.

You should now have 3 identical parts!

Group 8:

39.2 Attach the antistud of a white 1x1 crown with center stud from back to front onto each of the 2 short back stems. Place a yellow 1x1 flower plate on each of the ppp. You should now have 3 identical flower stems.

39.3 Bring back your main build, so the base of the trunk is at the left and the branch you attached in the previous step points to the right, and the leaves are at the front. Insert the bottom bar of your first part from top to bottom into the open stud of the green 1x1 cone brick. Insert another from front to back into the bottom row of front facing studs of the right 1x2 rounded plate with leaf. Insert the third from front to back into the top row of front facing studs of the middle upward facing 1x2 rounded plate with leaf.

Floor, flowers, and ladybugs assembled around the Emmenopterys Henry — lovely scene; open the next bag for giant leaves and the mantis's dramatic entrance.

Building Instructions (Bag 7, Book 3):

Group 9:

40. Let's make 2 identical parts! Place a black 2x2 plate with bottom pin hole in front of you, so the bottom pin hole faces the left. Vertically place a dark green 1x4 plate on the left column, so it is centered vertically.

41. Vertically place the front row of a dark green 1x2 curved right slope wedge tile on the front row of the ppp, so it slopes to the front and 1 row overhangs to the front. Place a dark green 1x2 curved left slope wedge tile symmetrically to the back. Vertically place a dark green 1x2 plate in front of the ppp.

42. Horizontally place the left column of a dark green 8x6x2 curved windscreen to the right of the ppps, so the short side faces the right, and it is centered vertically.

43. Place a dark green 2x2 curved slope tile on top of your part on the 2 left columns, so it slopes to the left. Place a dark green 1x1 quarter round tile to the right of the back row of the ppp, so the right angle faces the front left, and the rounded edge faces the back right. Repeat symmetrically to the front.

44. Turn your part upside down, so the pin hole faces the left. Vertically place a dark green 1x2 inverted slope tile on the 2nd and 3rd rows from the back on the 2nd column from the left counting the entire build, so it slopes to the back, and the front row sits to the right of the bottom pin hole. Repeat symmetrically to the front.

45. Insert the 1L pin end of a blue 2L pin axle from left to right into the left facing pin hole, so the 1L axle end extends to the left. Horizontally with the angled tip facing the front attach the right facing axle hole of a dark tan axle and pin connector angled 135 degrees from left to right onto the 1L protruding axle of the ppp. Turn your part right side up. You should now have 2 identical parts!

46. Bring back your main build, so the base of the trunk is in front of you and it tilts to the back. Locate a left facing bar of the 1x1 round plate with bar from step 15 on the left side of the trunk. Rotate your first part 180 degrees, so the connector is on the right. Attach the right facing axle hole of your part from left to right onto this left facing bar of the trunk you have located. Locate a

right facing bar on the right side of the trunk from step 15. Attach the left facing axle hole of your second part you have not rotated from right to left onto this right facing bar of the trunk.

Group 10:

47. Let's make a part! Let's start building the Chinese mantis! Horizontally place a lime 1x6 plate in front of you.

48. Horizontally place the right column of a dark tan 1x2 brick with 2 side studs on each long side on the leftmost column of the ppp, so 1 column overhangs to the left. Repeat symmetrically to the right. Place another horizontally to the left of the ppp. Place another horizontally to the left of the ppp. You have placed 4 1x2 bricks with 2 side studs on each long side in total.

49. Place a lime 1x1 round plate with open stud on the rightmost column. Horizontally place a sand green 1x10 plate to the left of the ppp, so 3 columns overhang to the left.

50. Turn your part upside down, so the ppp is on the left. Horizontally place a sand green 1x2 rounded plate on the 2nd and 3rd columns from the left of antistuds. Place a lime 1x1 plate on the right column of the ppp.

51. Horizontally place the left column of a lime 1x2 curved inverted slope tile on the ppp, so it slopes to the left. Place another horizontally to the left of the ppp, so it slopes to the left.

52. Turn your part right side up so the pppps are at the bottom left. Place a dark tan 1x3 rounded plate horizontally upright on the 3 left columns of front facing side studs. Repeat symmetrically to the right. Then place a dark tan 1x2 plate horizontally upright to the left of the ppp. Repeat the 3 placements symmetrically to the back.

53. Place the right column of a nougat 1x2 curved right slope wedge tile horizontally upright on the leftmost column of front facing side studs, so it slopes to the left. Place a nougat 1x2 curved left slope wedge tile symmetrically to the back. Place 3 Nougat 1x1 half round tiles upright to the right of the ppp, so their rounded edge face the right. The 4 right columns of back facing side studs should remain free. Repeat the 3 placements symmetrically to the front.

54. Let's make a part! Horizontally place a lime 1x2 curved inverted slope tile in front of you, so the studs face up and it slopes upward to the right. Place a lime 1x1 plate on the right column. Then place a sand green 1x1 slope tile on the ppp, so it slopes to the right. Bring back your sub build, so it is horizontally in front of you and the front and back side facing tiles from the previous step are at the front left and at the back left. Place the left column of your part underneath the right overhang.

55. Horizontally place a lime 3x12 hinge plate with angled side extensions and tapered ends on top of your part on the 6 right columns, so the hinge faces the right.

Group 11:

56.1 Let's make a part! Horizontally place a lime 1x3 plate in front of you. Horizontally place a yellow 1x2 plate with hinge finger on a short side on the 2 right columns, so the hinge finger faces the right.

56.2 Horizontally place a lime 1x2 plate to the left of the ppp, so 1 column overhangs to the left. Horizontally place a lime 1x2 curved inverted slope tile underneath the 2 left columns of your part, so it slopes to the left.

56.3 Place a lime 1x1 plate with 1x1 upright facing side stud on top of your part on the leftmost column, so the side stud faces the left. Horizontally place a lime 1x2 plate to the right of the ppp.

56.4 Horizontally place a sand green 1x2 plate with 1 stud and 1 upright pin hole on the 2 left columns of your part, so the pin hole is at the left with its holes facing front to back.

56.5 Horizontally place the left column of a lime 1x4 curved slope tile on the right column of the ppp, so it slopes to the right. Place a lime 1x1 round plate with open stud on the left facing side stud.

56.6 Insert a red 1L pin with stud from back to front into the back facing pin hole. Turn your part upside down so the hinge finger is on the left.

56.7 Bring back your sub build so it is horizontally in front of you and the hinge faces the right. Attach your part using the left hinge finger to the right facing hinge of your mantis sub build, so the antistuds of your part face up.

57.1 Let's make a part! Horizontally place a dark tan 1x3 rounded plate in front of you.

57.2 Horizontally place a lime 1x2 rounded plate on the 2 left columns. Then place a gold 1x1 round plate with bar to the right of the ppp, so the bar faces horizontally to the right.

57.3 Place a lime 1x1 half round tile on the leftmost column of your part, so the rounded edge faces the left. Then horizontally place a lime 1x2 tile to the right of the ppp.

57.4 Turn your part upside down, so the bar faces the right. Insert a red 3L bar from top to bottom onto the leftmost antistud, so 2L of the bar extends upward. Flip your part, so it sits on its back side and the ppp protrudes to the front.

57.5 Bring back your mantis sub build so it is horizontally in front of you and the part you attached in the previous step is on the right. Insert the bar of your part from back to front into the open stud of the red 1L pin with stud, so after inserting 1L of the bar extends to the front.

58.1 Let's make a part! Horizontally place a dark tan 1x3 rounded plate in front of you.

58.2 Horizontally place a lime 1x2 rounded plate on the 2 left columns. Then place a gold 1x1 round plate with bar to the right of the ppp, so the bar faces horizontally to the right.

58.3 Place a lime 1x1 half round tile on the leftmost column of your part, so the rounded edge faces the left. Then horizontally place a lime 1x2 tile to the right of the ppp.

58.4 Flip your part so it sits on its front side and the antistuds faces the back. Bring back your mantis sub build and place it horizontally in front of you so the front facing 1L extending bar is at the front right. Attach the leftmost back facing antistud of your part from front to back onto the 1L front extending bar, so it is symmetrical to the back one from the previous step.

59.1 Let's make 2 identical parts! Let's build the front spiny legs! Horizontally place a lime 1x2 plate in front of you.

59.2 Horizontally place the right column of a lime 1x2 curved inverted slope tile underneath the left column of the ppp, so it slopes upward to the left. Repeat symmetrically to the right.

59.3 Horizontally place a lime 1x2 plate with bar handle on short side on top of your part on the 2 right columns, so the bar handle faces the right. Repeat symmetrically to the left.

59.4 Take a gold mechanical arm and hold it vertically upright so the clip is at the bottom right and faces the right. Clip it to the left bar holder of the ppp. Take another and position it vertically upright so the clip faces the top left. clip it to the right bar holder.

59.5 Insert the bottom bar of a lime serrated sword from top to bottom into the top antistud of the left mechanical arm, so the serrated side faces the right. push it to the right so it is folded. You should now have 2 identical parts!

59.6 Rotate both parts 180 degrees. Bring back your mantis sub build so it is horizontally in front of you and the 2 bars face the right. Take your first part and hold it vertically upright so the studs face the right and the 2 1x2 curved inverted slope tiles face the left. Attach the left facing antistud of the top gold mechanical arm from right to left onto the right facing bar closer to the front. Repeat symmetrically to the back.

Group 12:

60. Let's make 4 identical parts! Let's make the middle and back legs! Horizontally place a lime 1x2 curved inverted slope tile in front of you, so it slopes upright to the right.

61. Place a gold 1x1 round plate with bar on the left column of the ppp, so the bar faces horizontally to the left. Repeat symmetrically to the right.

62. Horizontally place a nougat 1x2 curved slope tile on the ppps, so it slopes to the left.

63. Take a gold mechanical arm and place it horizontally so the clip faces the front left. Attach its right facing antistud from left to right onto the left facing bar.

64. Attach a lime bar holder with handle to the ppp, so the antistud faces the left. Stack 2 lime candle sticks. Insert the bar of your stack from left to right into the left facing antistud of the ppp. push the ppps to the right so the antistud of the stacked candle sticks faces up. Insert the muzzle of a sand green gun from top to bottom into the upward facing antistud, so the hilt of the pistol faces the left. You should now have 4 identical parts!

65. Bring back your mantis sub build, so it is horizontally in front of you and the serrated swords of the front legs face the right. Turn your parts upside down, so the gun is at the bottom left. rotate your 4 parts 90 degrees counterclockwise so the bar of the 1x1 round plate with bar from step 61 faces the back. Insert the bar of your first part from front to back into the rightmost column of front facing side studs. Skip 1 column to the left and insert another. Repeat both placements symmetrically to the back inserting from back to front.

Group 13:

66. Let's make a part! Let's build the mantis' head! Place a lime 1x1 brick with a 1 stud on each side in front of you. Place a lime 1x1 plate upright on the left facing side stud.

67. Place a gold 1x1 tile with upright clip upright on the ppp, so the hands of the clip face front and back.

68. Place a sand green 1x1 plate with tooth on the back facing side stud of your part so the tooth faces the left. Repeat symmetrically to the front.

69. place a lime ball with dark green splotch and white dots pattern upright on the ppp. Repeat symmetrically to the back.

70. Place a nougat 1L bar with angled open stud at the bottom of your part using the stud, so the bar points diagonally to the bottom left.

71. Let's make a part! Let's build the antennae. Place a gold T bar in front of you, so the horizontal bar is at the back, and the middle bar is vertically in front of you. Place the short, more curved end of a gold crowbar under the T-bar's horizontal bar, to the right of the vertical post, so the rest of the crowbar points upward. Repeat symmetrically to the left. Rotate your part 90 degrees clockwise so the crowbars are at the right and the T's stem faces horizontally to the left. Bring back your mantis' head sub build, so the clip faces the left. insert the left facing bar of your part from right to left into the right facing side stud of your sub build, so the antennae face up.

72. Place a lime 2x2 triangular tile on top of your part, so the triangular tip faces the left. Rotate your head sub build 180 degrees.

73. Bring back your mantis body sub build so it is horizontally in front of you and the tail is on the left. Insert the bottom angled 1L bar from top to bottom into the top right open stud of your main build.

74. Bring back your main build, position it so the base of the tree is in front of you and the tree tilts to the back. Vertically place the Chinese mantis on top of the tilted tree so it faces to the back, and it sits on the 2 vertical 1x2 rounded plates from step 19. Your Chinese Mantis' model is complete!

The mantis hides in the canopy, antennae alert, plotting its move on the unsuspecting ladybug — epic finale; enjoy your three tiny ecosystems together! Great work — you are now a Lego builder entomologist!

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