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LEGO



OUR AMAZING PLANET

We humans have migrated, wandered and travelled across the globe in every conceivable way. Drawn to new horizons and cultures, we have crossed mountains, deserts, jungles and ice caps. We have sailed and flown across oceans in search of treasure, trade opportunities, adventure or a better life.

A tiny speck on the intergalactic map, hurtling through space, forged (roughly speaking) of stardust and nuclear waste, our planet and life on it is quite the astronomical oddity. From ancient myths to modern scientists, science fiction writers, great thinkers and explorers, we have used the sun and the night sky to navigate and map out our planet and understand our place in the universe. Jules Verne wrote of travelling Around the World in 80 Days in 1873, when ships, trains and horses were the fastest means of transportation, and travel was a privilege reserved for the wealthy few. Now we can circumnavigate the world in a matter of hours. Even with the most minute details of the earth mapped out, every day brings fresh discoveries, from new paths in your own neighbourhood and the changing of the seasons, to unknown species of flora or fauna.

MAPPING OUT THE HISTORY OF GLOBES

Terrestrial and celestial globes have existed for over 2,000 years. In his book *On the Heavens* from 350 BCE, Aristotle was the first to record that the earth was "a circle of no great size". He based this conclusion on his observations of the movement of the stars and planets in the night sky from different countries. The Greek mathematician Eratosthenes went on to calculate the earth's circumference within a stunningly accurate 1–10% margin of the modern polar measurement of 40,075 km (24,901.4 miles)!

Unlike a 2D map, the globe represents the placement of the oceans and landmasses without distorting proportions or distances. Globes were originally used by scientists, scholars and aristocrats to study geography, topography, bathymetry, and the earth's rotation. Parallels of latitude and meridians of longitude identified locations with extreme precision on land or at sea. Globes helped rulers, merchants, sailors, and explorers avoid peril at sea, navigate the safest routes between points of travel, or conquer new land.

Modern GPS devices are based on the exact same spherical coordinate system and used in everything from phones to space shuttles. But a classic globe will always represent our spirit of adventure and curiosity in ways no digital device can do. It is a treasured, tangible reminder of the places we love, live in, and explore.

The earth's total surface area is approximately 510.1 million km² (196,950,711.07 square miles), with about 71% covered by water and 29% landmass.

This set contains 2585 LEGO[®] bricks. In real life, it would take 1,252,343,750 2×4 LEGO bricks lined up end to end to reach around the globe along the equator.

The LEGO[®] Globe is approximately scale 1: 48,000,000.

More than 80% of our oceans are yet to be explored but the 65,000 kilometre (40,389.1 mile) long deep sea Mid-Atlantic Ridge is hard to miss. It is the longest mountain range on earth and rises as far as 4,200 m (13,779.5 ft.) above the ocean floor.



The oldest surviving celestial globe is the Farnese Atlas sculpture from 150 CE, of Atlas the Titan carrying the sky on his shoulders.

The oldest surviving terrestrial globe is the Erdapfel ("Earth apple") made by German cartographer Martin Behaim and decorated by painter and printer Georg Glockendon in 1490–1492.

"This globe reminds me that we are part of an utterly unique community in our own little corner of the universe. It's a small world, after all!"

MEET THE FAN DESIGNER

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Guillaume Roussel (LEGO* Ideas name Disneybrick55) lives in France and studies engineering. His roots in the most visited country in the world – and the home of Jules Verne – may have influenced the talented 23-year-old LEGO fan designer's passions for architecture, design and travel. He built the Globe in just three days, including tile decorations and sticker designs. "I've been a LEGO fan since I was 3 years old. For this project, I wanted to build something creative, educational and with the potential to reach as much of the world as possible. The earth is not a perfect sphere so one of my biggest challenges was shaping the continents, particularly the smaller islands in Asia and Oceania. I chose to focus on the larger islands.



The first challenge for Guillaume was to create the globe shape. In the original model he used a technical structure covered by plates.

The Earth

My goal was to build recognisable shapes of the continents with a nostalgic vintage touch. To shape the continents, I used Google Earth gridlines to identify the positions and details. The dark blue oceans, green landmasses, white ice caps, brown pedestal and hints of pearl gold achieved the perfect vintage look."

MEET THE LEGO[®] GLOBE MAKERS

"I love sets that combine iconic objects and modern design with vintage inspiration! And this model is a reminder to respect, love and preserve our planet. I was so impressed with its design and engineering. The custom lettering and decorations link a vintage feel with the modern look of LEGO bricks, and the glow-in-the-dark tiles make the set truly unique. They remind me of vintage light-up globes that fuel our spirit of adventure!"

-Cristina Benescu, LEGO® Graphic Designer

"I was really impressed by Guillaume's model. Everyone in the world can relate to it. It was a fun challenge to work on the structure and make the landmasses recognisable and, to a certain extent, accurate. I love to travel, and it became a great form of escapism during the 2020-21 pandemic. I would imagine sailing around the world on a sailboat while I worked on the model. I can't wait to see what creative modifications LEGO fans will make to it."

-Luka Kapeter, LEGO[®] Senior Designer



COMBINING TWO LEGO[®] WORLDS

Fan designer Guillaume Roussel and LEGO[®] Senior Designer Luka Kapeter combined the best of two LEGO worlds when they built the Globe and stand. They used advanced building techniques and integrated LEGO System bricks (with studs and tubes) and LEGO Technic elements (with beams, pins, axles and connectors) to keep the model lightweight yet sturdy. The result is a seamlessly integrated art piece and a truly immersive building experience.



TIP: The easiest way to lift or move your Globe is by holding one hand under the stand and the other on top or on the side.

TOGETHER, WE CAN REBUILD THE WORLD

Asia

As we worked with Guillaume Roussel to build a perfect Globe, it was only natural for us to wonder, what IS a perfect Earth? What will our kids and future explorers discover about our planet, 10, 100, 1000 years from now? How can we leave a positive impact on the planet and help build a safe world for future generations? At the LEGO Group, sustainability is a natural part of the goals we set. We work with partners, research institutions, and families all over the world to find new creative ways to make a difference.

We are exploring solutions for the LEGO Group that will have a positive impact on the planet our children will inherit. Sustainability is vital to how we live, play and work together.

WE ARE COMMITTED TO PROTECTING THE ENVIRONMENT

We are working on reducing our climate impact and using more renewable energy. We are innovating the materials we use in our LEGO[®] products and packaging, and we're finding ways to keep LEGO bricks in play.

WE BELIEVE IN THE POWER OF PLAY

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When children play, they can build valuable life skills while having fun. Learning through play enables children to solve problems creatively, boosting confidence and resilience. Every child should have the opportunity to achieve their full potential.

WE THINK EVERYONE IS AWESOME

LEGO play is for everyone, no matter your race, gender, how you identify or who you love. We care deeply about children's development, and one of our goals is to promote family-friendly workplaces across our supply chain.



Visit LEGO.com/Sustainability to learn more about our Planet Promise.















































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