



## El Caracol - Chichen Itza , Mexico



MiniWorld3D

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### Summary

Astronomical observatory in the ancient Mayan city of Chichén Itzá, in Yucatán, Mexico.

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### Welcome to Mexico!

**The Ancient Ruins Collection - Mesoamerica** is a dedicated sub-collection to the legacy of past civilizations in parts of what is present-day Mexico and Central America.

This model was designed by [Leonardo Almírez](#). This is available in two versions:

- Hypothetical reconstruction (original model by Leo Almírez)
- Actual, ruined state (modified in Tinkercad by Dany Sánchez from Leo's original)

**El Caracol** (the snail/conch) is a peculiar structure in the ancient Mayan city of Chichén Itzá, in **Yucatán**, southeastern Mexico. It is an astronomical observatory tower with an internal spiral staircase, which gives the building its nickname. It provided a way for the Mayan people to observe changes in the sky. The flat landscape of Yucatan has no mountains or natural markers for this function around Chichén-Itzá, so the observers could view the sky above the vegetation without any obstruction. Of 29 possible astronomical events (eclipses, [equinoxes](#), [solstices](#), etc.) believed to be of interest to the [Mesoamerican](#) residents of Chichén Itzá, sight lines for 20 are found in the structure.

A [stele](#) (inscribed stone slab) on the upper platform dates it to around CE 906, during the post-classic period of [Mesoamerican chronology](#) (from [Wikipedia](#)).

**MiniWorld3D** is excited to bring this model to life as a homage to all the people of Mexico. This model was created from scratch by hand and brain in parametric software to ensure printability, using photographs and blueprints to create a beautiful and stylized version of your favorite landmarks. Please give credit, it's all about spreading culture!

Be sure to follow us:

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[instagram.com/leo\\_almirez](https://www.instagram.com/leo_almirez)

**MiniWorld 3D** is a collective of 45+ artists creating the best library of 3D printable models of landmarks of the world!

Photo credits: renderings by Artemio García, print photos by Dany Sánchez using SpiderMaker matte PLA frosted almond.

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## Printing Tips

Suggested parameters:

For better details, print slow, such as 15 or 20mm/s for outer perimeters. Fine-tune retraction to avoid stringing.

Perimeters: 2

Top layers: 3

Infill: as low as 12%

No supports needed, this has been optimized to eliminate all overhangs.

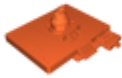
## Model files



**chichen-itza-el-caracol-leo-almirez-miniworld3d.stl**



**chichen-itza-el-caracol-simple-leo-almirez-miniworl... .stl**



**chichen-itza-el-caracol-leo-almirez-miniworld3d-rui... .stl**

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