

# Build a Moon Base Camp



Your team has landed on the Moon! Build a base camp where you can live and work using the **gray** bricks, which represent building material made from the Moon's soil (also called *regolith*).



Be sure to include each of the necessary survival systems (the **blue** Survive bricks) in your structure. Now, think about what keeps you happy and healthy! Can you choose just four of the **green** Thrive bricks?



Keep building your base. What else will keep you safe and happy? Try adding pieces of the reflective cloth to your structure.



For more building ideas, explore the challenge cards.



# *NASA is sending people back to the Moon—to stay.*

**Living and working on the Moon will be about more than just basic human survival.** There are many factors to consider when designing a base camp on the Moon. Extreme heat and cold, radiation exposure, no air to breathe, and frequent bombardment from cosmic dust and meteorites make the Moon a harsh place to live. Engineers, scientists, and astronauts must think about creative solutions for all of these issues as they design lunar habitats that will support future missions to the Moon and beyond.



Astronaut Karen Nyberg views Earth from the ISS cupola.

But spending months living and working in an unfamiliar place like the Moon could be tough on astronauts' mental health, which might result in safety issues and lower productivity. On the International Space Station (ISS), astronauts have items that help keep them happy and healthy.

For example, even though they float weightlessly in their sleep, many still want a cozy pillow. Incorporating things that allow people to survive and thrive is better for individuals and the overall success of the mission.

NASA



Illustration of what the Artemis Base Camp may look like.

**NASA's Artemis Base Camp will allow robots and astronauts to explore and study more of the Moon than ever before.** Designs for the new lunar outpost include a lab, a rover, and even a mobile home. Early Artemis missions will include very brief surface stays, but the base camp will eventually grow into more of a scientific hub. The goal is to allow crews to stay at the lunar surface for up to two months at a time. As the design process of the Artemis Moon Base Camp begins, things like recreation, tasty foods, and even pillows will be important to consider.

