

# Lego® Mania

**What is the challenge?** Build a tall tower from Legos, then take it apart and build something new, like a bridge.



## What you need:

- Lots of Legos® or a similar type of building brick.
  - For younger learners, we recommend using Lego® Duplo® instead.

## Notes for adults:

- It's OK if your learners get frustrated! Encourage them to take apart and rebuild as often as they wish to.

## What to do:

- Use your building bricks to build a tall tower. See how big you can make the tower in 5 minutes!
- If you have any building bricks left over, sweep those off to the side. We will not need them for the next part.
- Now, take apart your tower. How many building bricks did you use?
- Once the tower has been disassembled, use the same building bricks to build a bridge. Can you make a strong bridge with the same materials?



Take it further:

- What other objects can be taken apart and put back together in a completely different structure? Try this activity with blocks, cups or sticks. What structures can you build from them?

STEM connection:

- Atoms are the building blocks of matter. Everything is made from them, from your shoes to clothing, tables, chairs and even the air.
- Atoms make up each of the building bricks used in this activity. Atoms cannot be destroyed, but they can be rearranged, much like the building bricks can be rebuilt into many types of structures!

