

1

Create the longest possible paper chain from a single sheet of construction paper.

2

Build a domino chain reaction that incorporates at least two non-domino items.

3

**Using only 10 index cards,
construct the tallest
possible free-standing
tower.**

4

**Engineer a catapult from
wood craft sticks and
rubber bands that can
launch a marshmallow the
furthest distance.**

5

Use newspapers and masking tape to build a chair that a member of your team can sit on.

6

Design a bubble wand that makes the largest bubbles using pipe cleaners and string.

7

Create a model of a new piece of playground equipment using construction paper, cardboard tubes, plastic straws, scissors, and tape.

8

Stack 20 plastic cups into the tallest tower you can.

9

Use paper plates, plastic straws, and masking tape to construct a new kind of vehicle.

10

Build a bridge from wood craft sticks and binder clips that can support the weight of at least one book.

11

Put together a working windmill from a cardboard tube, construction paper, and plastic straws.

12

Design a marble maze on a paper plate using plastic straws.

13

**Build a paper airplane that
can fly through a hula
hoop from 8 feet away.**

14

**Engineer the tallest
possible tower from
toothpicks and mini-
marshmallows.**

15

Build a sailboat raft from wood craft sticks, construction paper, and glue.

16

Use scissors to cut a paper plate in a way that makes it stretch out as long as possible.

17

Make a parachute for a small toy from a drinking straw, a plastic bag, and Scotch tape.

18

Construct a building using only wood craft sticks.

19

Use balloons and masking tape to construct the tallest tower you can.

20

Build a boat from aluminum foil that holds 100 pennies.

21

Engineer a 3-foot-tall structure that can hold a basketball from newspapers and masking tape .

22

Come up with a creative new use for an empty plastic bottle. You can use other supplies to alter it however you like.

23

Use items from around the classroom to figure out a way to pick up and carry a beach ball from one side of the room to the other, without touching it with your hands.

24

Construct a building from paper and masking tape that won't blow over in the breeze from a fan.

25

Use pipe cleaners and drinking straws to build as many 3-D shapes as you can in 10 minutes.

25 Fun and Easy Fourth Grade STEM Challenges (Free Printable!)

Shared from [WeAreTeachers.com](https://www.weareteachers.com)

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