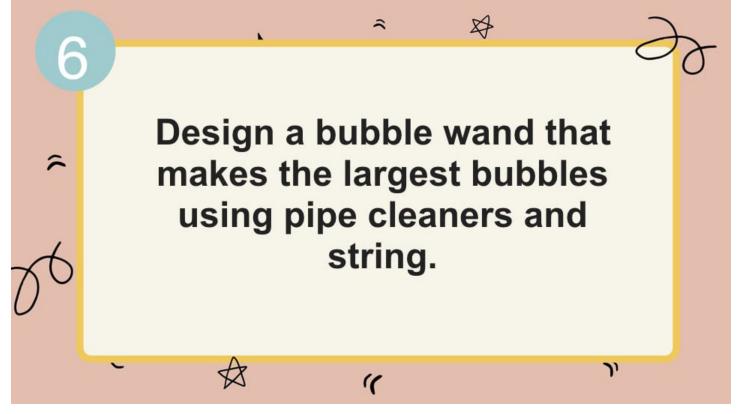


Shared from WeAreTeachers.com

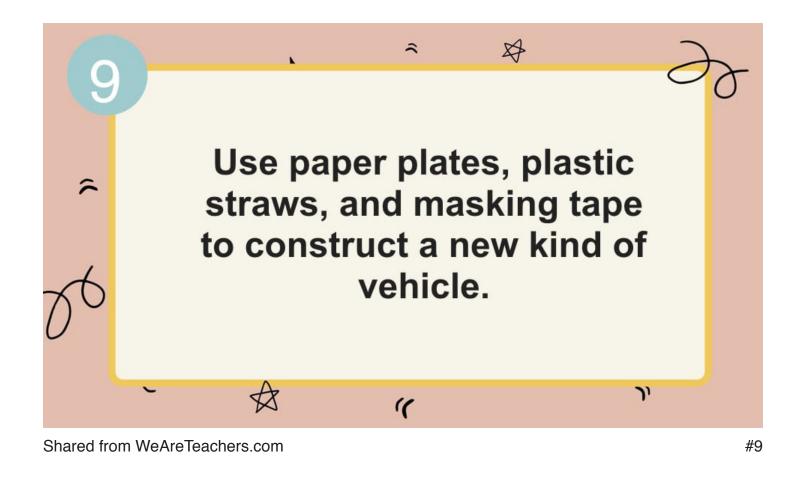


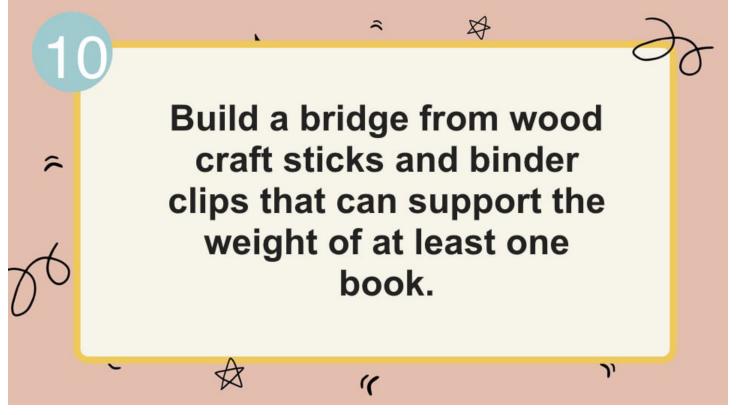


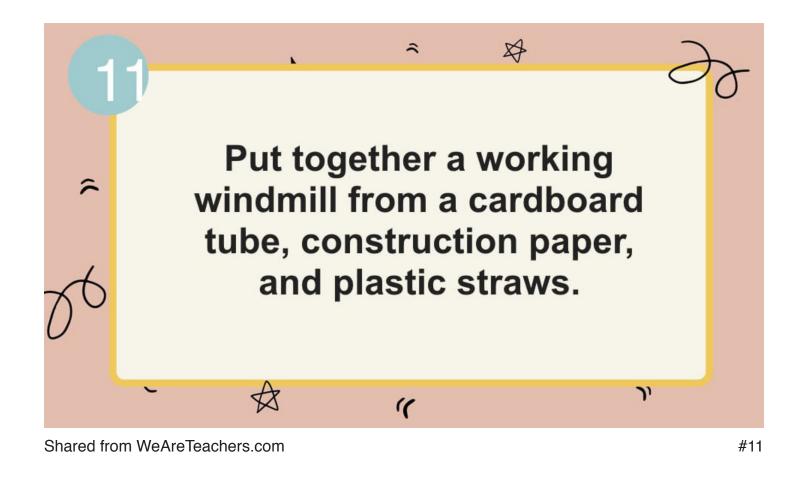




Shared from WeAreTeachers.com



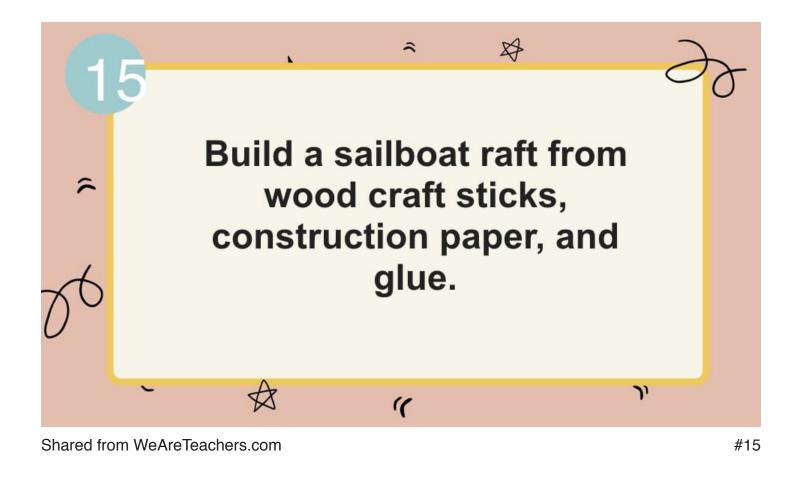


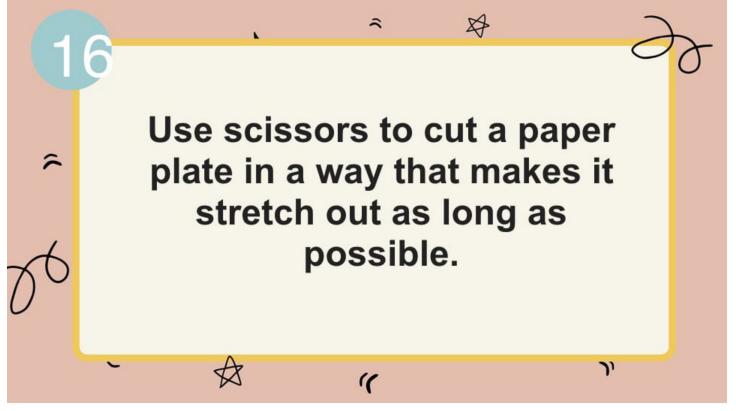








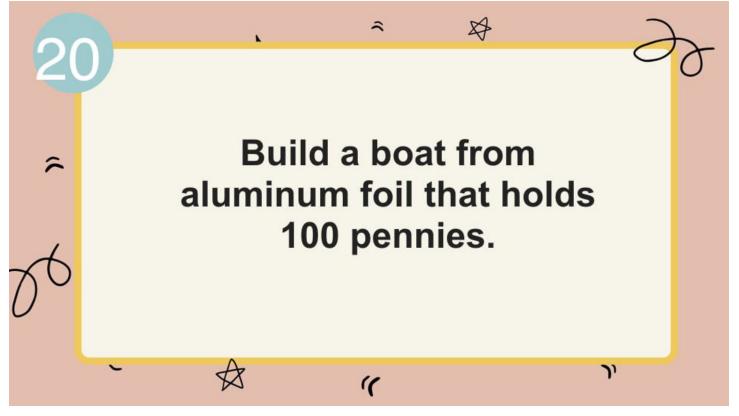




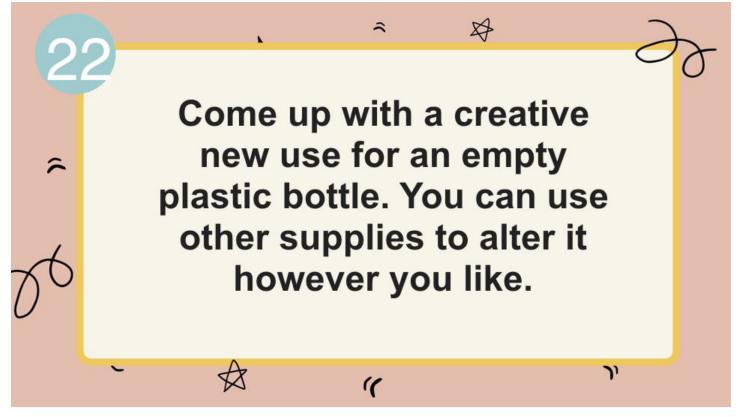


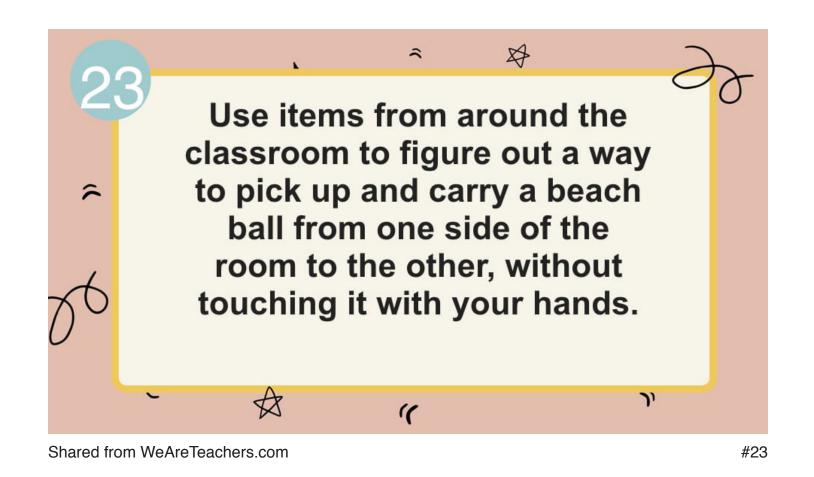


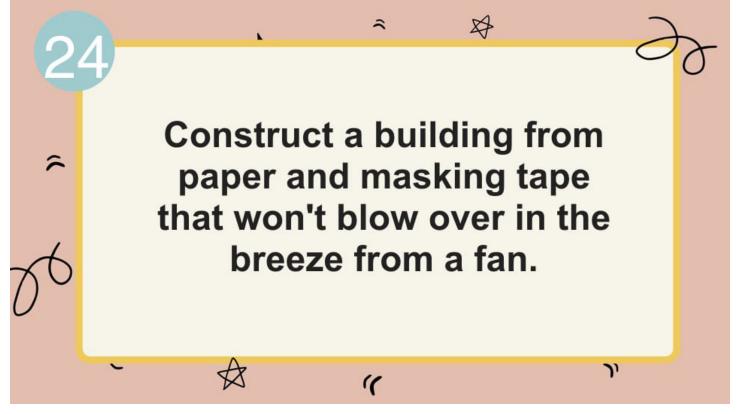


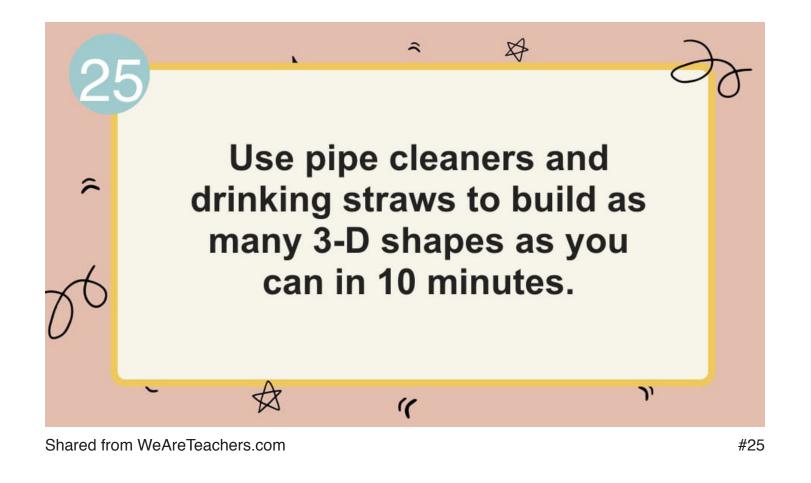












## 25 Fun and Easy Fourth Grade STEM Challenges (Free Printable!)

## Shared from WeAreTeachers.com

- 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.