

1

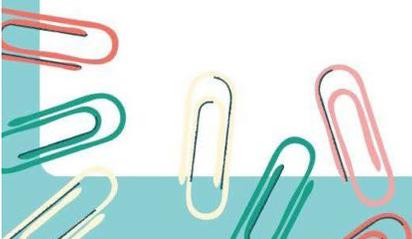


Use Play-Doh and 50 toothpicks to build the tallest tower you can.



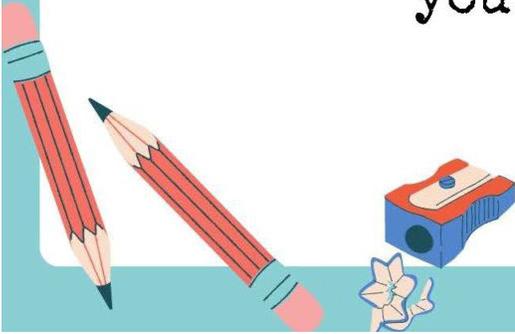
2

Build a bridge between two desks using clothespins and wood craft sticks.



3

Stack as many plastic cups into a tower as you can in 60 seconds.



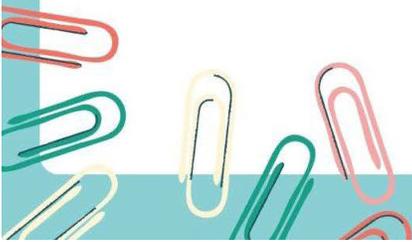
4

Find a new use for a cardboard tube. You can use scissors, masking tape, crayons, and other supplies.



5

Design and construct a house or other building using only pipe cleaners.

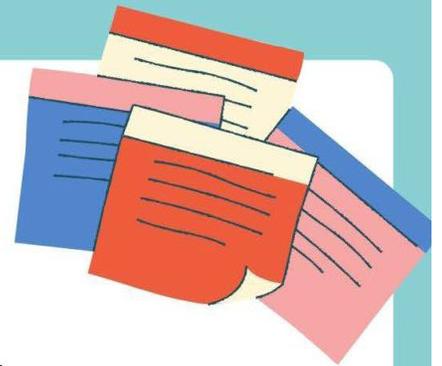
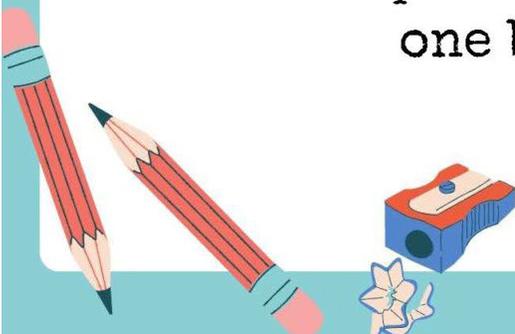


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#5

6

Build a tower that uses as many blocks as possible, but only uses one block for the base.



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#6

7

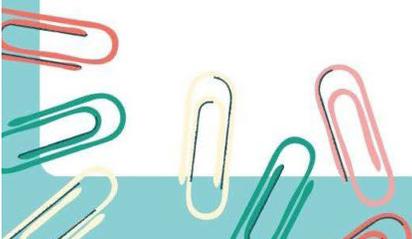


Build a marble  
track on a paper plate  
using Play-Doh.



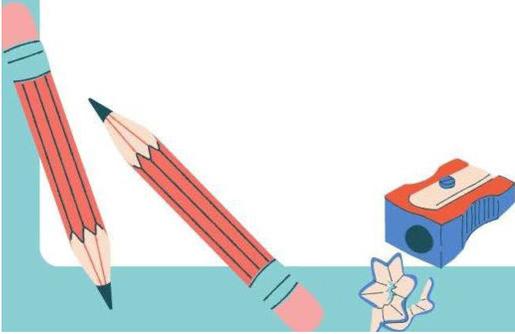
8

Make a hat using newspaper  
and masking tape.



9

Use LEGO bricks  
to build your name.



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#9

10

Design a domino  
chain reaction that  
forms a shape.

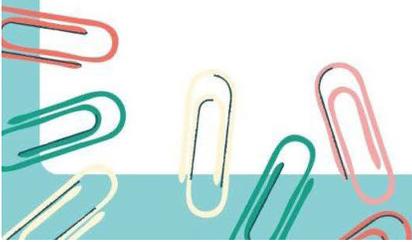


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#10

11

Use aluminum foil and a ping pong ball to create a way to play catch without using your hands.

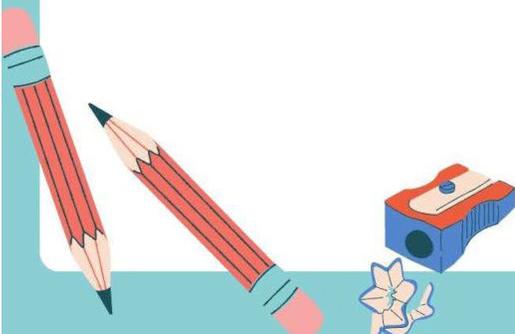


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#11

12

Build a bird feeder using wood craft sticks, glue, and string.



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#12

13

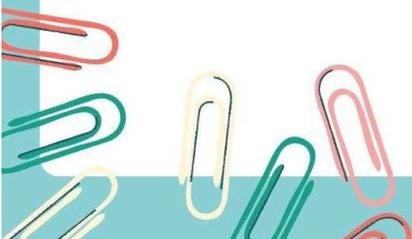


Construct a raft  
using marshmallows  
and toothpicks.



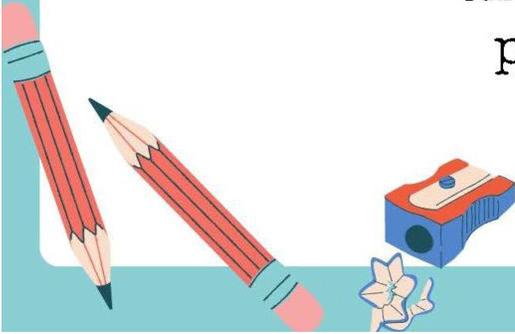
14

Choose between construction paper,  
copy paper, newspaper, or tissue paper  
and make a paper airplane that flies  
as far as possible.



15

Use a roll of string  
to make a container  
that can hold three  
ping pong balls.



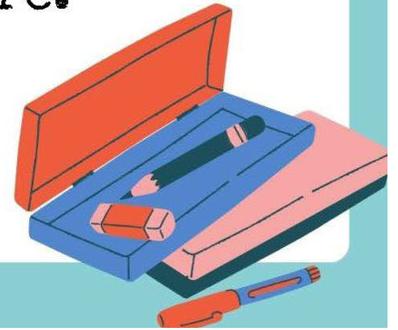
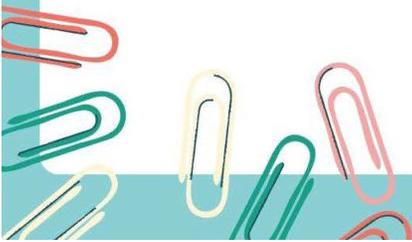
16

Come up with three ways to  
move a balloon across the  
room without holding in  
your hands.



17

Use plastic utensils, pipe cleaners, and construction paper to make a new creature.

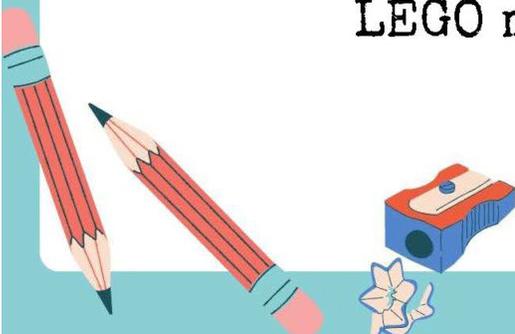


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#17

18

Use construction paper, plastic straws, and masking tape to build a tent for a LEGO mini-figure or other small toy.



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#18

19

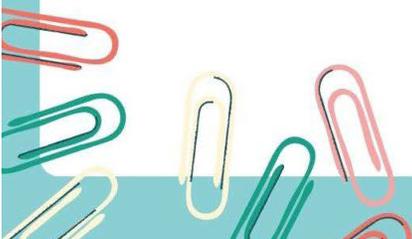


Build the tallest tower  
you can from newspaper  
rolled into tubes and  
masking tape.



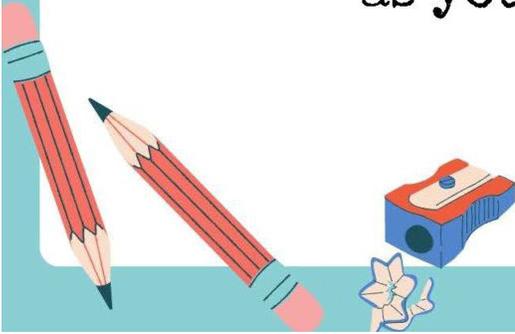
20

Use five index cards to make  
a structure that can support  
the weight of a book.



21

Use pipe cleaners to make  
as many different shapes  
as you can in two minutes.



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#21

22

Build a dinosaur  
skeleton from cotton  
swabs and scotch tape.

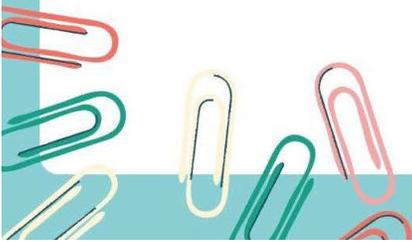


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#22

23

Use wood craft sticks and glue to create a container to plant seeds in.

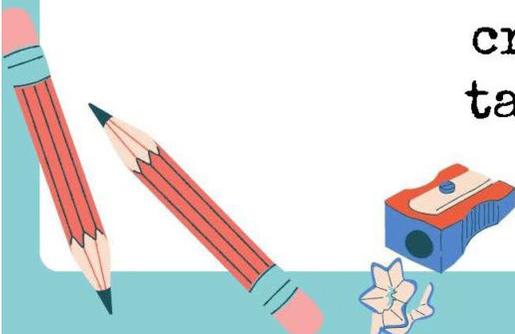


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#23

24

Make a robot from toilet paper tubes, aluminum foil, pipe cleaners, and plastic straws. You can use crayons, scissors, tape, and glue too.



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#24

25

Using supplies from  
around the classroom,  
find a way to learn which  
is heavier: a cup of  
jellybeans or a cup of  
uncooked rice.



# 25 First Grade STEM Challenges To Engage Young Learners

Shared from [WeAreTeachers.com](http://WeAreTeachers.com)

1. Use Play-Doh and 50 toothpicks to build the tallest tower you can.
2. Build a bridge between two desks using clothespins and wood craft sticks.
3. Stack as many plastic cups into a tower as you can in 60 seconds.
4. Find a new use for a cardboard tube. You can use scissors, masking tape, crayons, and other supplies.
5. Design and construct a house or other building using only pipe cleaners.
6. Build a tower that uses as many blocks as possible, but only uses one block for the base.
7. Build a marble track on a paper plate using Play-Doh.
8. Make a hat using newspaper and masking tape.
9. Use LEGO bricks to build your name.
10. Design a domino chain reaction that forms a shape.
11. Use aluminum foil and a ping pong ball to create a way to play catch without using your hands.
12. Build a bird feeder using wood craft sticks, glue, and string.
13. Construct a raft using marshmallows and toothpicks.
14. Choose between construction paper, copy paper, newspaper, or tissue paper and make a paper airplane that flies as far as possible.
15. Use a roll of string to make a container that can hold three ping pong balls.
16. Come up with three ways to move a balloon across the room without holding it in your hands.

17. Use plastic utensils, pipe cleaners, and construction paper to make a new creature.
18. Use construction paper, plastic straws, and masking tape to build a tent for a LEGO mini-figure or other small toy.
19. Build the tallest tower you can from newspaper rolled into tubes and masking tape.
20. Use five index cards to make a structure that can support the weight of a book.
21. Use pipe cleaners to make as many different shapes as you can in two minutes.
22. Build a dinosaur skeleton from cotton swabs and scotch tape.
23. Use wood craft sticks and glue to create a container to plant seeds in.
24. Make a robot from toilet paper tubes, aluminum foil, pipe cleaners, and plastic straws. You can use crayons, scissors, tape, and glue too.
25. Using supplies from around the classroom, find a way to learn which is heavier: a cup of jelly beans or a cup of uncooked rice.