

1

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

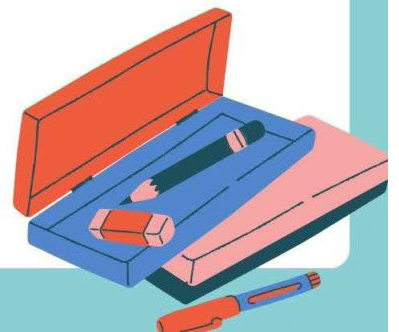
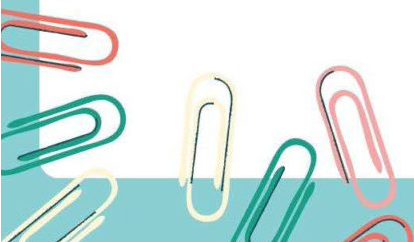


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#1

2

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

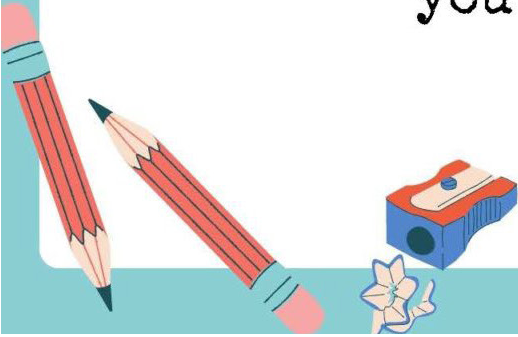


Shared from WeAreTeachers.com

#2

3

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



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#3

4

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

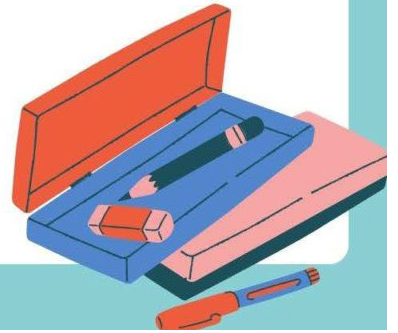
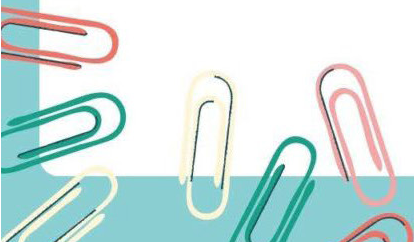


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#4

5

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

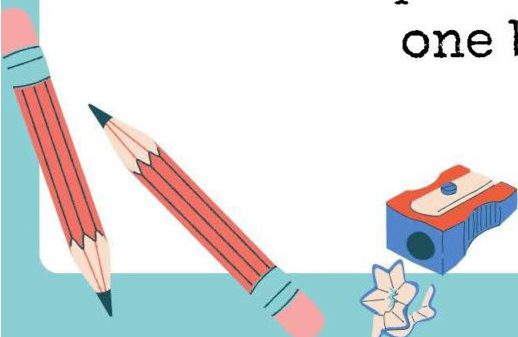


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#5

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.

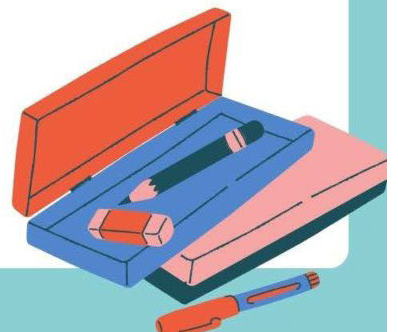
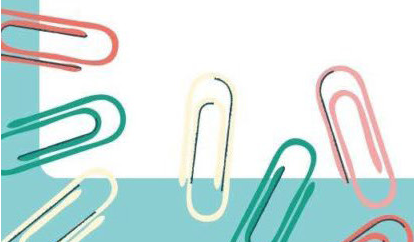


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#7

8

Make a hat using newspaper  
and masking tape.

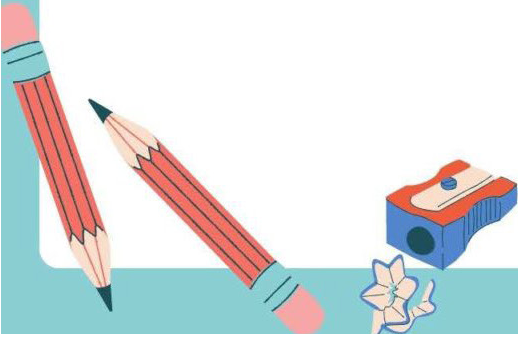


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#8

9

Use LEGO bricks  
to build your name.



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#9

10

Design a domino  
chain reaction that  
forms a shape.

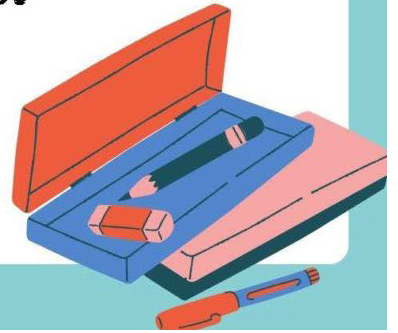
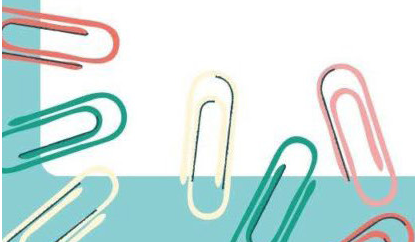


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#10

11

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

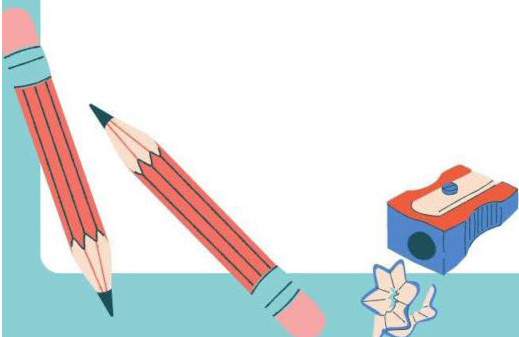


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#11

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.

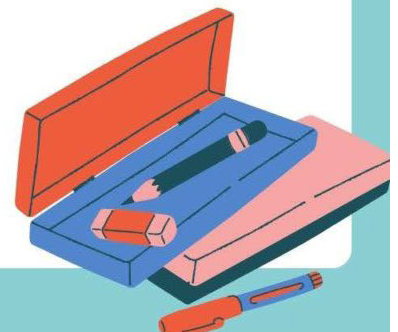
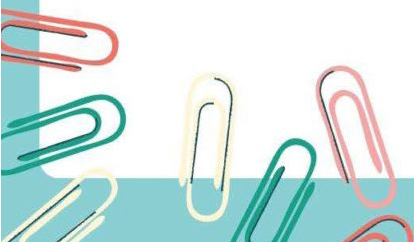


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#13

14

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

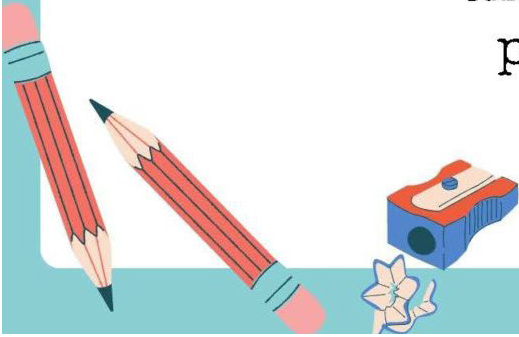


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#14

15

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



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#15

16

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

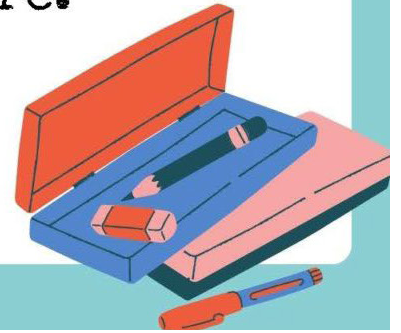
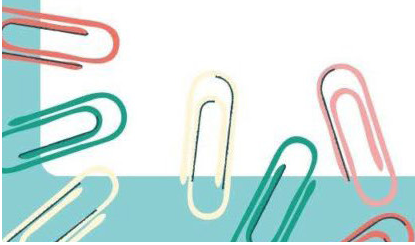


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#16

17

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

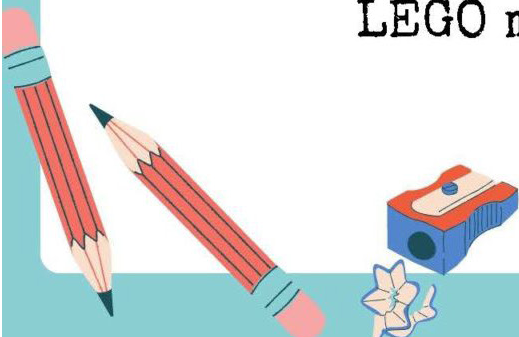


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#17

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.

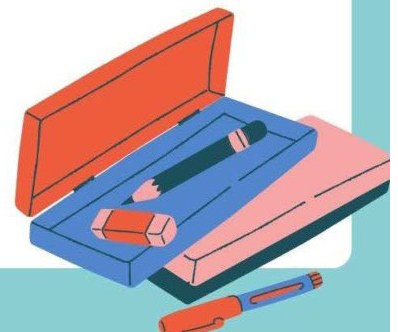
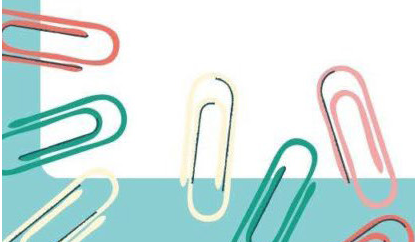


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#19

20

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

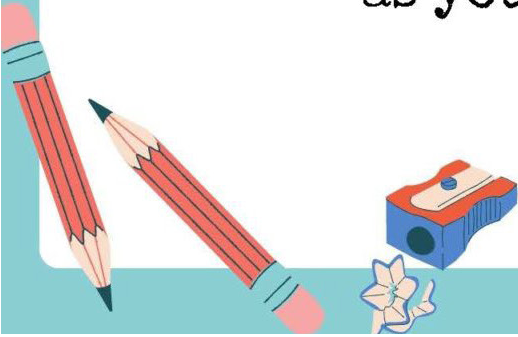


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#20

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.

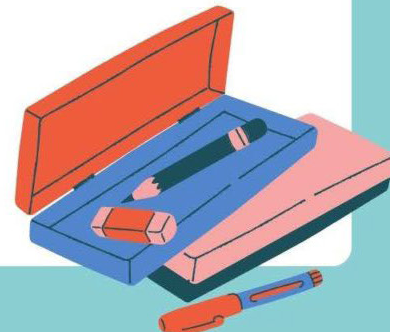
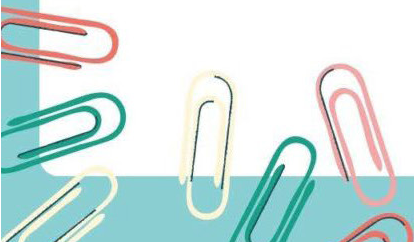


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#22

23

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

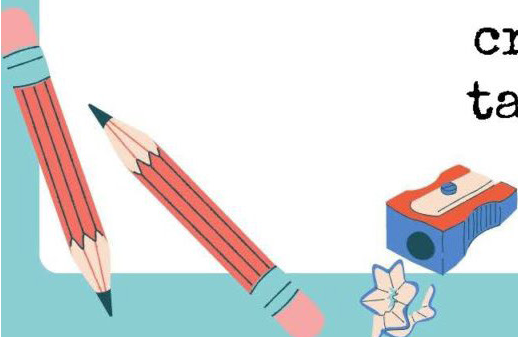


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#23

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](https://www.weareteachers.com)**

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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.
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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.
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13. Construct a raft using marshmallows and toothpicks.
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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.
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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.
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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.