



CAR KITS: ELASTIC BAND

Be prepared for success, take **TECH.**





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CHALLENGE 1

Design and build the
rubber band car with
material provided.



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CHALLENGE 2

Straight line racing - set up a straight line track and see which car can stay between the lines.





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CHALLENGE 3

What can you change
about the wheels of the
car to increase the
speed and traction?
What made the car go
the furthest?





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CHALLENGE 4

Add recycled materials to make your elastic band car to look more like a real car.





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CHALLENGE 5

Build a truck that can hold weights and travel a metre. What car carried the most weight across the metre line?



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CHALLENGE 6

Add a gear to your card.
What was the result?
Did the car go further
or faster?





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CHALLENGE 7

Alter your car to make it a dragster or funny car. How did you make it get the acceleration needed at the starting line?





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CHALLENGE 8

Set up a race track with a jump. How did your car land after getting some air? What can be changed to improve results?





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CHALLENGE 9

Reduce the friction on
your car's wheels.

What products can you
use to make the wheels
turn more freely?





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CHALLENGE 10

Monster truck time. Can you build a very large truck with even bigger tires?

What is your monster truck name?





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CHALLENGE 11

Everyone loves a muscle car.
Design your elastic car into a
muscle car.

What recycled material or
household object will make
the best spoiler on your car?





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CHALLENGE 12

Reducing our footprint.

Make an elastic band car that is a miniature version like a smart car.

What materials will or can you use?





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CHALLENGE 13

Off roading time. Can you create a vehicle with independent suspension? Test it on a bumpy track. What will you use as shocks?





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CHALLENGE 14

Build a trailer for your car. Can you figure out how to make it function like a real hitch - secured and rotates when the car turns?





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CHALLENGE 15

Everyone needs a BOAT!
Can you build an elastic
band boat that floats?
Test it in a sink, contain-
er or tub.





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CHALLENGE 16

Sail Away! Add recycled material to make a sail on an elastic band boat to give it double the power. Wind is a renewable energy so great to use as extra power.

