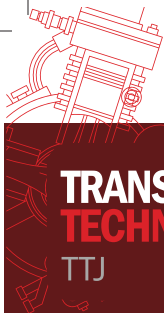




## CAR KITS: ELASTIC BAND

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





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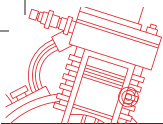
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## CHALLENGE 1

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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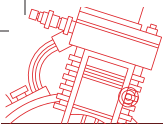
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## CHALLENGE 4

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





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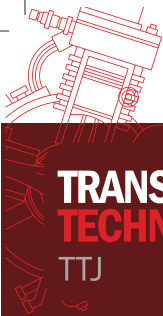
## CHALLENGE 5

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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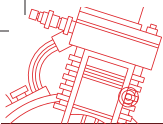
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## CHALLENGE 7

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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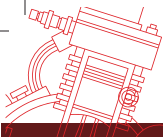
## CHALLENGE 8

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

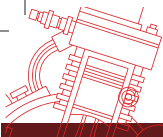
Reduce the friction on  
your car's wheels.

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.

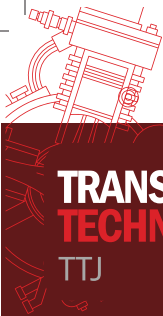
Make an elastic band car that is a miniature version like a smart car.

What materials will or can you use?



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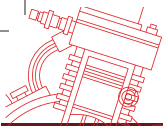
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## CHALLENGE 13

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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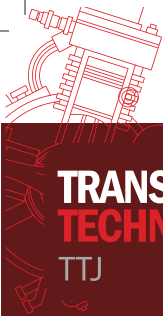
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## CHALLENGE 14

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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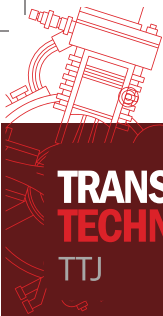
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## CHALLENGE 15

Everyone needs a BOAT! Can you build an elastic band boat that floats? Test it in a sink, container 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.



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