

MAKE A LEGO RUBBER BAND CAR

Build Batman's vehicle with this cool LEGO rubber band car for a book inspired STEM project! This month we were invited to participate in a storybook STEM challenge series. Although, I had initially thought that I needed to choose a book specifically about STEM, I realized any book provides the same kind of opportunity for learning including our beginner Batman book collection. My son wanted to make Batman's bat mobile out of LEGO, and we have always wanted to try building a LEGO rubber band car!



HOW TO BUILD A LEGO RUBBER BAND CAR!

LEGO BATMAN CAR



Find out how to turn the Batmobile into a LEGO rubber band car with this fun STEM project. Your favourite book can also be a great STEM activity!

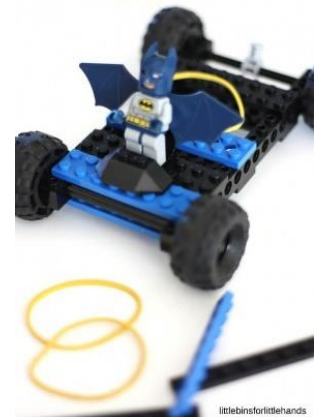
Looking for easy to print activities, and inexpensive problem-based challenges?

We have you covered...

Click below to get your quick and easy STEM challenges.

You can build a more complex LEGO rubber band car or a simple one! Either way it moves!

SUPERHERO LEGO RUBBERBAND CAR



BUILD A LEGO RUBBER BAND CAR

YOU WILL NEED:

- LEGO Pieces
- LEGO Crazy Action Contraptions Set {If you don't have a supply of technic pieces, this is a great inexpensive set with lots of fun ideas}
- Rubber Bands
- LEGO Batman {or other superheroes}
- Batman Books {these are a few of our favourites}

PIECES USED TO MAKE BAT MOBILE:

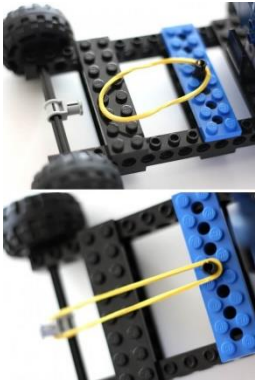
You can see in the two pictures below some of the simple pieces we used to create this LEGO rubber band car and bat mobile.

- 2 axels
- 4 wheels
- 1 flat piece with holes that spans the width of your car
- 2 long bricks with holes in them to make the sides of the car.

The two important pieces for the rubber band car are the grey piece on the axel shown to the right and the black peg in the blue piece shown below. Use your imagination for the building the rest of the car!

You do not have to use the exact pieces to the right. The key points to remember are having two fixed points. The fixed point on the axel must not spin freely, it must be on their tightly. Otherwise the rubber band cannot wind up properly or release properly.





You can turn the black wheel of your LEGO rubber band car to wind it up or you can pull it back on the floor to wind it up! Let it go and see how far it travels.

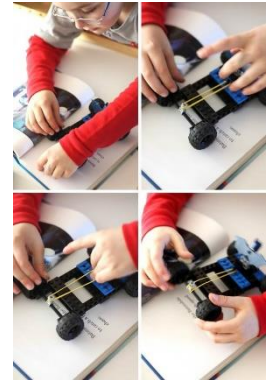
LEGO balloon cars are also a neat project to try!

HOW TO MAKE A RUBBER BAND CAR GO FAR



Turn this activity into an experiment by building different size cars or trying out different length rubber bands. Find out which car will go the furthest. Use a tape measure to record the distances travelled by each!

This is a nice simple model for a young child to explore making a LEGO rubber band car. He could easily manipulate it with his fingers. For more fun fine motor and science based practice our icy superhero rescue activity!



Next he's hoping to make a flying LEGO bat thingy. I am sure we can figure something out! We have also used our favourite superheroes to make a computer-free coding game for STEM.

<https://littlebinsforlittlehands.com/lego-rubber-band-car-superhero-stem-activity/>

