

Team Duncombe's  
Lego Week



**Upper School Activity - Tuesday 26th January 2021**

Hello Upper School,

Your challenge today is to create 2 Lego cars.

**Lego balloon car**

With your Lego build a small car which you can then attach a balloon to. Can you make your car move with just a blown-up balloon?

Here are some other questions you might want to consider?

- Does it matter which type of surface your car is on?
- Do your wheels have an impact on your car?
- How far does your car travel?

**Lego wind power car**

Now build a second car and attach a sail to the back of it, using tape, like the diagram. Use a fan or even take your car outside and see if you can make your car travel along an even surface.

- Does the size of the sail, make your car go faster? Why do you think this happens?
- Where does the wind or fan need to be for your car to move?
- How far can your car travel?

Tell us which car is your favourite and why?

Don't forget to share your work and results, so we can see how you're getting on.

Enjoy, Team Duncombe

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