

Balloon Rovers – Student Worksheet

In this activity you will design, build and test a balloon powered rover to explore the surface of your planet.

Draw a sketch of your design here. What materials will you need?

Build and test your car:

What do you need to change?

Can you get the rover to go faster? Farther?

Can you make it look cooler?

Present & Discuss:

What do you like about your Rover?

What do you want to change?

How would you build your car differently, using the knowledge you have now?



How does this car reflect all of Newton's Laws of Motion?

- A body at rest remains at rest and a body in motion remains in constant motion along a straight line unless acted upon by an external force.

- Force is equal to Mass times Acceleration.

- To every action, there is an equal and opposite reaction.

Other Thoughts?

