

COJO - Mission 2 - Tuesday 19th January 2021.

Mission 2: 'We never know the worth of water until the well is dry.'

Your teams made it through France, Spain and are now in the Sahara! There are sand storms raging. Some of the explorers' vehicles have become bogged in the sweeping sand blizzards and the temperature is a scorching 100 degrees! In order to prevent remaining vehicles from being eaten up by the sand and overheating, teams must fill them with water and cool them down.

Mission overview.

Your car is in the middle of the desert and has run out of water. You can't drive a car without water as your engine would overheat.



Luckily, you are next to an oasis (a place with water on the desert).



You need to transport the water from the oasis to your car.

Your car is represented by a table in your kitchen or your living room and a water tank in your car by an empty bowl.

The oasis is represented by a bucket with water, which is 3 or 4 metres away from the table (with an empty bowl).

You need to make a container to transport water from the oasis to your car!

Mission objectives:

Using the paper to design and build a container to transport liquid, explorers will carry fresh water from the oasis, across the desert (avoiding obstacles and debris - pillows, toys, shoes) and into the steaming engines of their vehicles. Every drop spilt could mean the loss of another vital piece of equipment.

Challenge: Try different types of paper. Use tin foil or tape to strengthen your container etc.

Take photos of the containers you have designed at the start of the mission and towards the end. When you have finished, answer the questions below.

Is your vehicle up and running?

Did the water do the trick?

How successful were you?

Would it be better if you could work as a team? Why?

Did anybody at home help you? What did they help you with?

What did you find the most difficult and why?

Upload your photos and answers on Class Dojo.