

Designing a human transport device

Can you collaborate, design and build a successful
contraption

Scenario



On a warm breezy June afternoon, 4 friends set off on an adventure they would never forget. Jessica wanted to become a photographer and because drones are illegal in National Parks, they decided to take a hot air balloon ride through the mountains to snap some photos.

Luckily, Francis was a budding hot air balloonist and promised them an amazing time. They packed a picnic and took off towards the Three Sisters.



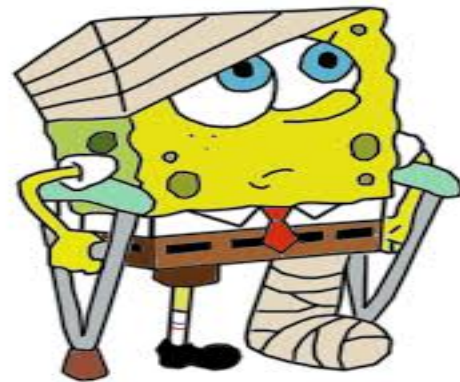
On their trip...

- While flying through the Albertan skies, the friends saw many great sights such as lakes, rivers, waterfalls, wildlife and an old warden's cabin. Everything was going great until the wind picked up and started battering the hot air balloon.



Francis Tried...

- To control the balloon, however he could not and it crashed into a mountain. After a moment of shock, people began to realize most people were ok, which was a miracle after the crash.



Sadly...

- Francis the balloonist had a very bad break to a bone in his leg. He could not stand or walk with the condition he was in. The rest of the group needs to help transport.



The Plan...

- Is to transport Francis and the others down to the Warden shelter. The group thinks the trip is only 2KM away from their location. That is too far to carry Francis. You will have to design a way to transport him with the items found in the balloon wreckage.

You have

- Rope from the balloon lines
- Fabric from the balloon
- Pieces of wood and metal from the frame of the hot air balloon
- A cylinder from the heater