



Global Transport: Designing a vacuum tube train

Your task is to design and build a model vacuum tube train.

You have to design a way of getting the ball (the train) to travel from one end of the tube to the other as fast as possible.

- You can use any of the equipment available. You can't use gravity to move the ball!
- Once you have come up with a design, try it out and measure the speed. Is there any way you can make it faster?
- Try these ideas (you can modify your ball if you like) and try again.
- Keep on modifying until you are happy that you can't make the ball go any faster.

Draw your design in the space below and label each part and how it works.

