



# Resources

John Boyd Dunlop



## Resource 1 – Station 1

You are going to blow up the balloon underneath the books.

*Predict what will happen when you blow up the balloon.*

*What happened when you blew up the balloon?*

*Why do you think this happened?*

*Repeat this experiment with more books. Record what you think will happen when you add more books and what actually happened here.*



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## Resource 1 – Station 2

*Take a syringe and pull the plunger all the way to the top. What do you think is happening inside the syringe?*

*Put your finger over the end of the syringe and push down on the plunger. Describe what you feel on your finger and if it is easy or difficult to push down the plunger.*

*Take away your finger from the end of the syringe. What happens?*

*Why do you think this happened?*



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## Resource 1 – Station 3

In pairs, take a pair of syringes that are the same size and connected by the tubing. Then follow the instructions below and make notes.

*Predict what will happen when you push the plunger of one of the syringes in.*

*Record what happens when you push the plunger of one of the syringes in.*

*Why do you think this happens?*

*Is there any difference in how far each plunger moves?*

*Now repeat this experiment with a pair of syringes of different sizes. Do you think anything different will happen?*

*Record what happened when you pushed the plunger of the syringes of different sizes and why you think this happened.*