

## 11 – May – 2017 Presentation

Narrator: Connie  
Student A (Baking Soda – Balloons) Ryan  
Student B (Baking Soda - Balloons) Bruce Ng  
Student C (Orange Peel – Balloons) Annie  
Student D (Orange Peel – Balloons) Daisy

### Scene 1

Narrator (Connie): 1B is having a birthday party for Mr Chu. They are playing two games: The first game is - who is the first to blow a balloon? The second game is who is the first to pop a balloon?

### Scene 2

Mr Chu: Let's play the first game. If you can inflate a balloon, you can get 10 English passport stamps!  
[10-12 students get ready]

Student A (Ryan): let's work together! We have the cleverest trick to blow a balloon.

All the other students: Wow! How come?

Student B (Bruce Ng): That's a secret!

### Scene 3

Mr Chu: That's so amazing! But it'll be much more fun to pop the balloon! If you are the first to pop a balloon, then you have another 10 passport stamps!  
[10-12 students get ready]

Student C (Annie): I have a clever trick! [take an orange and take the peel, squeezing the orange to the balloons.]

Mr Chu How did you do that??

Scene 4

Student A (Ryan): The science behind this is the chemical reaction between baking soda and the acid, vinegar. In the balloon, I have put some baking soda. Inside the bottle, it is vinegar.

Student B (Bruce Ng): The gas produced from the two ingredients is carbon dioxide or CO<sub>2</sub>. As the gas tries to leave the bottle, the gas has nowhere to go and it blows the balloon!

Student A (Ryan): Similarly, we breathe out carbon dioxide when we blow up balloons.

Mr Chu: What about you two?

Student C (Annie): The science behind this is Limonene. Limonene from the orange weakens the rubber balloon. Limonene is an essential oil that has high concentrations.

Student D (Daisy): It does not only dry our skin and make your fingers smell like an orange, it can also pop balloons. We don't need a needle anymore.