

3D Class Presentation (19/12/2018)

(Visitor A comes to the stage first)

(Visitor A is using a scissor to cut the paper. However, he cuts his finger. He is now bleeding badly)

Visitor A: oh nooo!

(Visitor B and Professor come to the stage)

Visitor B: What has happened to you?!

Professor: You should staunch the bleeding wound immediately.

Visitor B: Wait! (put up visitor A's finger) It looks amazing! Professor, I have some questions for you. Why do we have blood? Why is it red? Why should we staunch the bleeding part quickly? I want to know more about our body!

Professor: Well, let me bring us to his (point to visitor A) body and see what things are in our body.

Visitor B: It sounds great! But how can we get in?!

Professor: It's easy. (pick out two pills from his pocket) Here are two pills, take them and you will be there..

(Visitor A and B pick them and eat them. After taking, jump once)

Professor: Haha! Here is the body world!

(visitor A and B look confused)

Visitor A: We have already reduced in size. But why are you still shorter than us, Professor?

Professor: Because I have reduced in size, too! Hey guys, it's not the main point. Let me introduce some cells that are in our body!

(A red blood cell is walking in front of them)

Professor Y: This is red blood cell. Do you know what the function of red blood cell is?

Visitor A: Yes, I know. They contain haemoglobin for carrying oxygen from lungs to all parts of the body. We have learned it in biology lesson.

Professor: Correct.

Bacterium A comes out.

Bacterium A: I am going to kill you all and get oxygen.

Then, phagocyte suddenly comes out and kills the bacteria.

Red blood cell: Thanks for saving me! (TAT)

Phagocyte: No thanks.

Then the phagocyte leaves.

Professor Y: Phagocyte is a type of white blood cells which will move towards bacteria to engulf and digest them.

(the visitors and professor keep walking.)

HTcell: Hello, please tell me your ID. (politely)
(give the card)

HTcell: oh, a visitor. (keep marking)

Visitor A: wow, what is it professor?

Professor: This is the helper T cell. It helps us to find the pathogen and order someone to kill it.

Visitor B: like a commander?

Professor: yes.

(a bacterium B is walking in front of them, the helper T cell marks his ID and uses the pager to call someone.)

HTcell: I have found the intruder!

(a plasma cell came and HT cell give the ID to plasma cell and then HT cell leaves)

(Plasma cell throw antibody to the bacteria. The bacteria die and leave)

Visitor A: Who are you?

Plasma cell: I am plasma cell and I can protect the body by releasing antibodies.

Visitor B: (Give back the antibody to Plasma cell) (Confusing) What is antibodies?

Professor: Antibody is used by the immune system to neutralize pathogens such as pathogenic bacteria and viruses.

Visitor B: Oh! I understand now, thank you for your help

Plasma cell: I'm happy to know you guys, bye. (Plasma cell leave)

A body cell comes to the stage. A bacterium C jumps out and stick to the body cell.

Visitor A: what is happening to this body cell?

Professor: Oh, poor one. It was infected by the bacterium.

Visitor B: Then what will happen?

Professor: A cell will come and help him. That cell is called KILLER T CEL.

Killer T-cell: Stop the infection! (come out when prof. introduce it)

Killer T cell kills the bacterium and also the infected body cell.

Visitor A: NO~! why do you kill the body cell?

Professor: Calm down. This is his responsibility. He is responsible for killing infected cell so as to stop the infection.

Visitor A: Okay then, let's pray to that cell for 3 seconds. (Silent for 3 seconds and body cell, bacterium C and Killer T cell leave the stage, Memory cell come out and start to record)

Professor: Wow! This is memory cell. It can remember the bacterium, so that it makes it much easier to fight the same type of bacterium when they come again.

Visitor A: It is amazing!

Professor: Time is up, we should leave now.

Visitor A and B: OK

Both visitor and prof.: Thank you!