A VIEW of Eli Lilly

Application of the VIEW resource to the Applied GCSE for Science

Evidence from Eli Lilly was collected to support teachers delivering the Applied GCSE for Science by providing students with access to the working labs at the Erl Wood site.

Health and safety is of the highest priority for Eli Lilly. Across the site there is ample evidence of the consideration and application of health and safety practice. This tour takes you around the site looking for this evidence in support of **Unit 1: Working safely in science**.

Print this document and use the space provided for your own notes. Blue to the left indicates evidence outside the labs and red indicates evidence inside the labs.

	Enter the VIEW of Eli Lilly Click on the gates to enter Rotate right to face the reception building	You are outside the Eli Lilly reception area. Those arriving and leaving the site are carefully monitored for security and health and safety reasons. Can you read the red notice on the entrance to the reception area? What does it prohibit on the site?
	Rotate to face south.	At times the road up to the Erl Wood site can be very busy, how are pedestrians kept safe?
	Rotate to face north and click on the security guard for an interview.	What type of an emergency has Issac, the guard, been involved in and how might it impact on health and safety?
	Use the back button to return to the rotary. Rotate left to see the pedestrian entrance to the left of the security guard. Click on the gate.	You are inside the security gate. What further actions have been taken to keep pedestrians safe ?

	Rotate left to face north-west Click to move towards the Manor House.	You are outside the Manor House
	Rotate left to face Stacey, click on her for an interview.	How could Stacey's work impact on the health and safety of employees ?
	Use the back button to return to the rotary. Rotate right to face north and click to move towards the laboratory building.	You are outside the rear door of the Manor House. Moving vehicles can be a hazard to pedestrians, look around and find a vehicle that might present particular hazards. What might they be and how can you guard against them ?
	Rotate to face north and click towards the laboratory building.	You are close to the steps leading to the entrance to the 'link lobby'. How has Eli Lilly ensured those with certain physical disabilities can access this area?
	Rotate to face north and click to move into the link lobby.	You are inside the link lobby.
	Rotate to face west and click on the timeline.	How does one of these entries demonstrate how employees are involved in health and safety?
	Use the back button to return to the rotary in the link lobby. Rotate right to face north-east. Click (just to the left of the service counter), to move towards the lab corridor. Rotate between north and west	You are in the lab corridor. What signs and symbols can you recognise? What do they alert us to ?
	Rotate to face south	Notice the yellow containers, later you will find out what they are for.

Rotate to face east and click on the door of lab 1.	You are in lab 1 Can you spot any potential hazards in this room ? How are they being controlled ?
Rotate to face east and click on the smaller NMR machine.	There are three images in a series. What unusual health and safety hazard should we be alerted to?
Use the back button to return to the rotary in lab 1. Rotate to face south-west to find the exit and click on the exit to lab 1.	You are back in the lab corridor.
Click on the door of lab 2	You are in lab 2 Notice those yellow containers again.
Rotate to face south	Zoom in and look at the warning sign below the sink. What does 'caustic' mean ? What danger does it present?
Zoom back out and click on the eye wash to the left of the tap.	What is an eye wash for and how can we prevent chemicals splashing into an employee's eye?
Use the back button to return to the first rotary in lab 2. Face east and click to move deeper into the lab for the second rotary.	You are deeper inside lab 2. Look around… In the event of a serious incident how could the two scientists get out of the lab?
	What two types of fire fighting equipment can you see?

	What is a 'fume cupboard' and how does it protect the scientist?
Rotate to face north-east and click on the bottles on the middle shelf.	Two images show glass containers for chemicals. How is health and safety information conveyed on the container labels?
Use the back button to return to the second rotary deeper in lab 2 Rotate to face north-west Click on the paper notices on the side of the cupboard	Look at both pieces of paper and explain what the yellow containers are for ?
Use the back button to return to the second rotary in lab 2. Click on the grey cupboard to the left of the fire extinguishers	How does this simple device improve health and safety?
Use the back button to return to the second rotary in lab 2. Rotate to face south east. Click on the timeline and 'making a reaction'.	This set of images shows a scientific process. What three items of protective clothing does the scientist put on before starting work?
Use the back button to return to the second rotary in lab 2. Rotate to face north-east. Click on the fume cupboard controls.	This is an image showing three 'services' supplied to a fume cupboard. What hazards (if any) do they represent and how can an accident be prevented?

Use the back button to return to the second rotary in lab 2. Rotate to face west and click to move closer to the lab exit.	You are at the first rotary in lab 2
Rotate right to face north and the exit door.	Look at the wall to the right of the door. What two pieces of evidence can you find which supports health and safety at Eli Lilly? What do you think is the company's responsibility and what is the employees?
Click on the exit door and leave lab 2 Rotate right and face east. Click on and enter lab 3.	You are in lab 3 From what you have already seen in labs 1 and 2 what evidence can you find for health and safety in this lab?
Rotate to face south and click on the door to exit lab 3.	You are in the lab corridor
Rotate to face east and click to move further down the corridor. Rotate to face the doors leading to the plant room	You are in the lab corridor What dangers are suggested by the warning signs and symbols?
Rotate to face south-east. Click on the door of the Sample Management Centre and enter.	You are in the Sample Management Centre
Rotate right and find the employee responsible for this area. Click on her and look at the interview.	Find the question relating to health and safety.
Use the back button to return to the rotary in the Sample Management Centre. Rotate to face north and click to exit the room.	You are in the lab corridor
Rotate right and face Lab 7. Click on the door and enter.	You are in Lab 7

Rotate to face just east of north. Click on the yellow spillage kit at the bottom of the screen.	Find out about a spillage kit. How can it help with health and safety?
Click on the spillage kit instruction sheet to find out more.	What is PPE and why is it important when dealing with a spillage?
Use the back button twice to return to the rotary inside Lab 7. Rotate to face south-west. Look for these items. Click on them and then use the back button to return to the rotary	Can you find the shower (to the right of the door) – what is this for?
	Can you find the protective hood (above the white shelves) – what is this for?
	Look at the signs on the floor cupboard, what dangers are suggested by caustic, acid and flammable?
	Look at the eye wash kit What is required by an 'accident book'?
Use the back button to return to the rotary. Face the exit door, click and leave this lab.	You are in the lab corridor.
Rotate to face east, click on Lab 9 and enter.	You are in Lab 9

Rotate to face south-east, click on the timeline Use the back button to return to the timeline list.	Checkout all three timeline entries. How does each contribute to health and safety?
Rotate to face south	Look at signs on the door. What does each sign tell us?
Rotate to face south-east and click and interview Peter.	Why do GM organisms need special care?
Use the back button to return to the rotary, face south and click on the door to the lab.	You are in the lab.
Rotate to face east and click to move toward the other end of the lab. Rotate to face south-east and click on the timeline.	Look at the sequence 'copying DNA using bacteria'. Look for scientific practice that is influenced by health and safety.
Use the back button to return to the rotary. Rotate to face north-west. Click on the yellow box.	What is the yellow box for?
Use the back button to return to the rotary. Click on the door behind the yellow box. Click on the next door to return to the corridor.	You are in the lab corridor

	The remaining evidence is listed for you explore and find.	
	Lab 11	Checkout the lab coats and shoe covers Review the interviews for Sarah and Liz
	Lab 13	Yellow bins and signs
	Lab 14	Signs on the door - lasers
	Lab 15	Interview Michael
	Signs on the walls at the east end of the lab corridor	
	Return to the front gate and head up towards the 'engineering' section	Look at the Gas Bottle Yard Interview Alex and Richard by the construction area
	Return to the rear entrance of the Manor House, face north-west (left of the fork lift truck). Click on the 'stores'	Checkout the stores timeline for evidence of health and safety related items.