

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.

Scientists and technicians are **instruments and machines every day** at Eli Lilly. This tour takes you around the site looking for this evidence in support of **Unit 3: Science at work – instruments and machines**.

Enter the VIEW of Eli Lilly Click on the gates to enter	You are outside the Eli Lilly reception area.
Rotate to see the pedestrian entrance to the left of the security guard. Click on the gate.	You are inside the security gate.
Rotate left to face north-west Click to move towards the Manor House.	You are outside the Manor House
Rotate to face north and click to move towards the laboratory building.	You are outside the rear door of the Manor House
Rotate to face north and click towards the laboratory building.	You are close to the steps leading to the entrance to the 'link lobby'.
Rotate to face north and click to move into the link lobby.	You are inside the link lobby.
Rotate right to face north-east. Click (just to the left of the service counter), to move towards the lab corridor.	You are in the lab corridor.

Now you are in the lab corridor you can visit each of these labs to find an instrument or machine. More can be found through the 'processes' that are demonstrated.	Most are accessed through a timeline entry. Make sure you are facing in the right direction to find the timeline with the entry you need.
Lab 1: face east and click on the small NMR machine, timeline Face north-west, click on the NMR instrument Face west and click on the LCMS machine	Smaller NMR instrument Loading the samples (video) NMR instrument The LCMS machine
Lab 5: face north-west, click on device Go further into lab 5 and click on the fume cupboard.	TECAN robot Fume cupboard
Lab 6: face east, timeline	Bar code reading weighing machine (video) Automatic weighing machine (video)
Lab 7: facing south-east, click on device Facing south-west, click on device Facing north-east, click on device	The reactor The large scale evaporator Microwave reactors
Lab 9: Go through the office into the lab, turn right (east) and move to the far end. Face north-east for the PCR machines Face south-west for the bench devices	The PCR machines Balance and stirrer, Pipettes, Stirrer.
Lab 10: Go further into lab 10 and face north, timeline Face south-east, use the timeline Click on the hands of the two scientists	A mixing machine (video) The fluorescence Microscope Protein identification process
Lab 11: Go through to the lab, face south west, timeline	Counting cells with a computer Automating a process using a robot (video)
Lab 13: facing north-west, timeline	Output from the computer
Lab 14: facing east	The Biomek machine
Lab 15: main lab Lab 15: inside small room (analysis area) to the west. Click on the PC next to the scientist	Slicing thin sections of tissue (video) Analysing tissue samples