

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.

Unit 1: Developing Scientific Skills

In particular the exploration of Eli Lilly offers evidence in support of;

- Working safely in science

Eg protective clothing, safety equipment, procedures and processes, signs and symbols, record keeping, responding to accidents, employee responsibility.

Evidence can be gathered at a basic level, eg lab coats, goggles, fire extinguishers, hazard signs etc

Less common evidence is available such as the spillage kit and eyewash kits.

Specific health and safety practice not normally found in the workplace can be located including evidence for the use of genetically modified organisms and radioisotopes.

- Carrying out practical tasks.

In several labs the scientists offer a series of images and narratives to explain a typical task that they may perform each day.

Evidence can be found of scientists handling equipment and materials.

Evidence can be found of scientists recording and presenting chemical data and some biological data.

Unit 3: Science at work

In particular the exploration of Eli Lilly will offer evidence in support of;

- **Science in the workplace**

Ample evidence is available in support of science in the workplace. Fifteen laboratories can be visited and explored as workplaces for scientists and technicians. In addition, the visitor can explore the administrative areas supporting the scientific applications as well as those in support of Eli Lilly as a business.

- **Making useful products**

The fifteen laboratories open to the visitor illustrates the discovery process where basic chemicals are manipulated to become candidates for useful drugs in the treatment of neurological diseases.

- **Instruments and machines**

The visitor to Eli Lilly will see a multitude of instruments and machines including the dependence upon computer systems to both control and monitor machines. In addition, evidence can be found of very sophisticated and leading edge resources used in the support of drug discovery.

- **Monitoring living organisms**

Some evidence is available of the facilities provided to store and grow living organisms used for testing purposes at Eli Lilly.