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A VIEW of Healthcare Science

Content guide

A resource developed with the support of:

SEEDA, (The South East England Development Agency)

and

Addenbrooke's Hospital, Cambridge.

Many members of the public and young people in schools are unaware of the role and significance of the healthcare scientist in a hospital. VIEW Healthcare Science enables young people to explore 22 departments at Addenbrooke's Hospital where the healthcare scientist is at work. What they find could broaden the ambition of young people and perhaps inspire some to explore the career possibilities healthcare science offers them.

To be used in conjunction with VIEW Healthcare Science,
a CD based multimedia resource from FutureVu Ltd. 2006.

VIEW is the Virtual Interactive Employer's Workplace

VIEW provides a young person with a means to access workplaces that might not be possible to visit for real, for reasons including;- health and safety,- confidentiality and,- location and season. VIEW improves an understanding of the world of work by;- exploring a real place of work, - meeting real employees and, - gathering real information. VIEW is based upon real work places, not; simulations, cartoons, graphics or made up working environments.

VIEW enables a young person to explore a workplace by making their own choices about where they want to go and in what order. Better than the real thing, they can get into areas that would not be allowed in the real world. They can see more of the workplace than would ever be possible in a typical school visit. Looking and listening, the young person can access evidence in a variety of formats to help build their understanding of the world of work. After finding evidence they can discard what they do not need, note what is important and move on.

VIEW offers rotary images at key locations across the workplace. A rotary is a 360-degree panoramic image that lets you look around in a circle, as if you were there. No health and safety risk, no restrictions - look all around, just as if the young person were one of the employees. Each rotary image is linked to another in a network, letting a young person move from one point to the next, exploring the hospital. VIEW Addenbrooke's contains over 100 rotary images across 22 departments all connected together and there for to explore.

VIEW lets a young person move across a workplace, gathering evidence to support their understanding of the world of work. They will find lots of visual clues in each of the rotary images, so should avoid spinning around too fast! Hundreds of single images offer close ups of equipment, processes and people working, Image series show activities that employees work through, as part of their job. Most images have text information with them that will help make sense of the image.

Sometimes a young person may find documents that can be clicked on and enlarged, so that you can read parts or all of them. The documents might include, posters, leaflets, labels and signs.

The young person will come across employees working as they explore and many will answer questions as part of an interview. Each answer is a real audio recording, not text. Most employees will answer 20+ questions across a wide range of interests such as; their job, what they do, likes and dislikes, careers etc. A few processes are illustrated by short video extracts that help a young person understand what is happening.

VIEW Addenbrooke's is one of many VIEW applications looking at different workplaces. These include a chance to explore;- an airport,- a scientific discovery centre,- a van assembly plant,- a coastguard station,- a hospital,- a major retail store,- six small marine related businesses and more to come...A great resource through which to explore the world of work. Young people can compare your own 'real' visits with VIEW or use the virtual visit to help prepare for a school trip or work experience.

If you want to know more about the VIEW project and the other VIEW applications we have constructed, then visit the website at; www.FutureVu.com You will also find downloadable support materials for teachers and students to support each of the VIEW applications.

Addenbrooke's Hospital is a major employer in the Cambridge area, and of national and international significance as a leading research and teaching hospital. Providing young people with a view of this large organisation at work is challenging for logistical, health and safety, and confidentiality reasons. The hospital offers a wide range of attractive career pathways for many young people in the local area and beyond. For Addenbrooke's and other hospitals, providing access to their working environments is key to attracting the people and skills they will need in the future.

Addenbrooke's Hospital has identified 22 different departments where technicians, scientists and managers are working in healthcare science. Through; 100+ rotary images, hundreds of single images, many documents and several video extracts, a young person can explore the varied working environment of a healthcare scientist. In addition, more than 50 employees answer over 1,300 questions through interviews that a young person can listen to and learn from.

You will enter VIEW Addenbrooke's through the main reception. At four points around the reception area are signs for each of the 22 departments that you can visit. The information offered provides a glimpse for young people, upon which to build a better and wider appreciation of the range of working environments that they will find healthcare science being applied. Each department is accessed by returning to reception and clicking on the appropriate sign. Maps provided for each department help you move around and locate rooms, evidence and interviews.

Many members of the public and young people in schools are unaware of the role and significance of the healthcare scientist in a hospital. VIEW Addenbrooke's enables young people to explore 22 departments where the healthcare scientist is at work. What they find could broaden the ambition of young people and perhaps inspire some to explore the career possibilities healthcare science offers them.

In Addenbrooke's reception, Colin Carr, the Associate Director of Operations for Pathology, talks about the importance of the healthcare scientist to the hospital and the care they offer their patients.

Using VIEW on a PC

Make sure a young person has access to a fully working copy of VIEW on the computer they will be using. Older PCs and some limited computer networks are not fast enough for VIEW. If the rotary images appear 'jerky' and slow to respond to your mouse movements, then it is unlikely that you will have a positive experience in virtual Addenbrooke's. VIEW can be installed on a stand alone PC for the best response and on many school networks with reasonable response times across the cables. Using VIEW on a network or on multiple PCs does need an appropriate software licence. Using VIEW works best with an attached mouse. Users of laptops with touch sensitive pads may find the rotary images more difficult to control.

There is so much valuable information in the 50+ interviews with staff at Addenbrooke's hospital. Most of the recordings were taken in working areas and a young person may have to listen carefully to make sure they hear all that is said. The best way to listen to VIEW interviews is with headphones that can be adjusted in volume to suit the individual listener. PC standard sound output is usually unacceptable, especially in a noisy environment. Attached speakers that amplify sound work well, but may distract other students in the classroom.

Visiting Addenbrooke's for 'real' and without a purpose would be mostly a waste of time and not very respectful of the staff at the hospital that have invited the young person in. The virtual Addenbrooke's is no different. Always set a clear purpose for their visit. What area will they be looking at and why? What do they want to find? What will they do with what they find? How will they evidence their exploration? What other resources can help them?

The most obvious preparation you can make before using VIEW is to ensure the young person has somewhere to write some notes and something to write with. They can note where they have been and a summary of what they found there. They can note where they found valuable evidence so as to make it easier to find it next time. They can note any good interview answers to questions. They can note facts, figures, information, words, technical terms and much more.

VIEW provides access to simple maps representing an area being visited. The maps are not accurate scaled representations of parts of Addenbrooke's hospital and are only intended as a simple guide. Downloadable electronic copies of the maps can be obtained from the website www.FutureVu.com These can be used to print off hard copies for students. Students using VIEW would benefit from access to printed maps so that they can add their own notes and comments as they locate work based evidence.

VIEW can be used alongside other software. You may wish to change the screen resolution to see VIEW running and another applications like Microsoft Word. The young person could use the word-processor to take notes as they explore.

VIEW will run alongside an Internet Browser so the young person could access relevant websites alongside their exploration.

By using the 'print screen' key, the young person can capture the PC screen, including a snapshot of VIEW. They can paste this into Word or PowerPoint for example, as a way of documenting or presenting their exploration. They may need to crop the images however.

What is in VIEW Healthcare Science?

Each of the 22 departments is listed in the following pages.

Each description makes reference to the rotary numbers on the maps that appear with VIEW.

For each map point the hotspots, interviews and timelines are listed. This will assist the teacher in assessing what evidence can be found in each area.

The 22 departments vary considerably in what they offer. However, each contributes to the wide range of working environments that the healthcare scientist might be found. All contain full 360 degree rotary images that in themselves act to show young people places of work that they would not normally see.

The departments are listed in alphabetic order and corresponding to the way in which they are listed in Addenbrooke's reception area (left to right).

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Addenbrooke's reception area

The entry point to the virtual tour of Addenbrooke's is through the main hospital reception. From there you can access any of 22 departments by clicking on the appropriate sign.

The 22 signs for the departments you can visit can be found on the walls in reception at four different locations. The map in the bottom right hand corner will help you locate the four sets of signs. They are in alphabetic order from left to right.

As you enter the reception area you are looking at the reception desk with the four sets of signs found as follows;

Three are to your left:

One long set of 11 signs to the left of the corridor and above the fire extinguishers, providing you with access to;

- Audiology
- Biochemistry
- Cardiology
- Clinical Engineering
- Cytology
- Disablement Services
- Emmeline Centre
- Haematology
- Histopathology
- Maxillofacial
- Medical Genetics

One set with 2 signs above the entrance to the corridor, providing you with access to;

- Medical Photography
- Medical Physics

One set of six signs below the public monitor screen, providing you with access to;

- Microbiology
- Mortuary
- Neurophysiology
- Nuclear Medicine
- Pharmacy
- Phlebotomy

One set is to your right:

One set of 3 signs above the entrance to the food area, providing you with access to;

- Respiratory Physiology
- Theatre
- Tissue Typing

Click on any of the 22 signs to visit each department. You must return to reception first to move between the departments.

There are several hot spots in the reception area:

Look more closely at the public monitor screen for examples of the images shown there.

You can click on any one of the three posters either side of the main reception entrance. The images shown will provide useful background information to Addenbrooke's Hospital.

The timelines in reception offer access to information about;

- Access to Addenbrooke's hospital
- A complaints leaflet
- 'You can decide how the future will look' document
- The 'Over and Above' magazine
- 'Addenbrooke's Matters' magazine
- The Annual Report
- Science at Addenbrooke's
- The 2020 Vision document (5533)

Most of these timeline entries refer to the Addenbrooke's website and therefore access to the web is needed to get the most benefit from this information.

Facing the reception desk you can access the 'Welcome to Addenbrooke's' audio from the hospital's Chief Executive.

Facing west the timeline presents an opportunity to interview Colin Carr, the Associate Director of Operations, who answers lots of questions for you including some that will provide an insight into the role of the Healthcare Scientist at the hospital.

Audiology

Map point 1 is in the Ear Nose and Throat reception section of the hospital and Audiology is found in this area.

There are hotspots available in this area;
Access to a couple of leaflets
Three of the noticeboards

Other hotspots enable you to;
Enter the testing booth (4),
Move to the end of this corridor (2),
Move into the department's office (3),
Return to the main hospital reception.

A timeline is available showing the plaque celebrating the opening of the unit.

Map point 4: Testing booth

From here there is a hot spot to return to reception (1).

A timeline is available that provides information about a Hearing Test.

Map point 3: Department office

From here you can use a hotspot to exit the office (1)

Hotspots show more information about;
Storage
A polishing machine
Hearing aids

A timeline is available offering an interview with David, an Audiological Scientist.

Map point 2: Far end of the corridor

There is a hotspot available here offering a view of the noticeboard.

Other hotspots offer access to;
the children's hearing assessment area (6)
the consulting room (7)
the library (5)
the reception desk end of the corridor (1)

A timeline shows a leaflet about looking after your ears.

Map point 5: The library

There are hotspots available here offering;
covers of a few Library documents
models of the ear

As well as a hotspot to exit the library (2).

Map point 6: The children's hearing assessment area

There are hotspots here with images of;
A work station
Testing equipment
Toys

As well as a hotspot to exit the children's area (2).

A timeline in here offers an interview with Richard, an Audiological Scientist.

Map point 7: the consulting room

Hotspots in here offer access to;
Images of equipment
Posters on the wall

As well as a hotspot to exit the consulting room (2).

Biochemistry

Map point 1 is in the Biochemistry reception.

Hotspots in this area offer access to the doors into the main corridor (2), and a way back to the main hospital reception.

Map point 2 is in the main corridor

Hotspots here offer views of a noticeboard and a poster.

Other hotspots offer access to;
the main Lab (5)
one of the smaller labs (4)

As well as;
Further along the corridor (3)
Return to the reception area (1)

Map point 4: The Endocrinology Lab

Hotspots in this area include access to images of;
AutoDELFI machine
Bayer Centaur machine
Data entry

As well as the exit out of the lab into the corridor (2)

Map point 5: The main Lab

A hotspots at this point offers access to an image of the wash station.

Other hotspots offer access to points further into the lab (6) and
A return into the corridor (2)

One timeline here offers an opportunity to interview Steve, the Operations Manager.
Another timeline shows a sequence of images which tell the story of samples arriving and passing through the lab.

Map point 6: The main Lab

A hotspot here offers an interview with David, a Biomedical Scientist.
Two other hotspots allow you to move back towards the exit (5) or
further into this lab (7).

A timeline offers a video glimpse of the automaton of the process of testing samples.

Map point 7: The main Lab

A hotspot here offers a single image of the pipettes that are in use in the lab. Two other hotspots allow you to move back towards the exit (6) or further into this lab (8).

A timeline provides a few images of the equipment in use in the lab.

Map point 8: The main Lab

A hotspot allows you to move back towards the exit (7). Note that at this point you must return the way you came to exit this lab.

A timeline offers an interview with Andy, Deputy Pathology IT Manager. Another timeline offers a sequence of images showing a process underway in a small lab close by.

Map point 3: The corridor between the Biomedical genetics labs

The hotspots here offer access to either lab (9 and 10) or to return to the main corridor (2).

Map point 9: A Biomedical genetics Lab

A hot spot is provided to exit this lab (3).

A timeline offers some images of blood samples being tested and analysis being performed.

Map point 10: A Biomedical genetics Lab

A hot spot is provided to exit this lab (3).

Cardiology

Map point 1 is in the Cardiology reception.

There are several hotspots in this area to allow you to look at some of the information on the walls, provided for visitors.

These include;

- Advice on staying warm
- Smoking and heart disease
- Playroom
- Passive smoking poster
- PALS poster
- Donating blood
- Osteoporosis information
- Saturated fats chart
- Language information

One hotspot offers a closer view of a rack of information. On the rack are booklets, of which you can choose to click on, and look more closely at;

- Testing the heart
- The Heart – technical terms explained
- Physical activity and your heart
- Palpitations

The hotspot for the Exercise Room provides a sequence of images showing how a patient's heart is monitored whilst under the strain of exercise.

Three hotspots allow you to move from this point to another;

- The Reporting room (2)
- The Echocardiology room (3)
- Return to the main hospital reception

Timelines in this area offer;

- an interview with Dinta, Chief cardiac physiologist,
- a patient information leaflet about the clinic,
- the 'clean your hands' campaign,
- and a booklet about 'Strokes'.

Map point 3: The Echocardiology room

Hotspots in this room offer interviews with;
Jennifer, Senior Cardiac Technician and
David, a cardiac Physiologist.

A hotspot to the left of the exit door shows a closeup of some diagrams on the wall.
A hotspot provides an exit from this room (1)

A timeline shows a sequence of images of the Cardiac technician at work.
Another timeline entry shows a short video extract of the Echocardiology machine working.

Map point 2: The reporting room

A hotspot is provided to look more closely at the PC screen.
Another hotspot returns you to the reception area (1)

Clinical Engineering

Map point 1 is in the Clinical Engineering corridor.

Hotspots from this point allow you to access;

- A workshop (3)
- A workshop (4)
- The far workshop (5)
- The renal section (2)

A hotspot provides a return to the hospital reception.

Map point 2: The renal section

A this point you can use hot spots to access;

- A Resuscitation poster
- An Electrical safety tester
- A look at the PC database screen
- A reverse osmosis machine
- A soft tissue injuries poster
- COSHH poster
- A Haemodialysis machine awaiting maintenance
- A Haemodialysis machine under test

One hotspot offers some images of Harold, a technician, working on a Haemodialysis machine.

Another hotspot leads to an interview with Harold.

A hotspot is provided to allow you to move back into the corridor (1).

Timelines in this area offer;

- A single image of a notice about testing water quality.
- A sequence of images showing the equipment in use with a patient.

Map point 3: a workshop

A hotspot is provided to move back into the corridor (1).

A timeline shows some images of the stock that is held by the department.

Map point 4: a workshop

A hotspot is provided to move back into the corridor (1).

A Timeline is available to see images relating to the Clinical Engineering workload.

Map point 5: The renal section

A hotspot is provided to move back into the corridor (1).

Timelines in this area offer images of;

Tools

Signs in the workplace

A timeline entry can be found for an interview with Simon, a Clinical Engineer.

Cytology

Map point 1 is in the Cytology reception area.

A hotspot is offered to see the Ronan Keating opening the unit
Other hotspots are provided to move into the administration area (4) or the processing room (3).

You can return to the main hospital reception from here.

Map point 2: Administration

A hotspot offers two images which comment on patient records.
Another hotspot allows the user to return to the reception area (1)

A Timeline provides you with access to an interview with Roseanna, the Laboratory Manager (4022)

Map point 3: The processing room

Hotspots in this area offer access to images of;

- A T3 processing machine
- A staining machine

One hotspot will allow you to move back to reception (1)
And another to move into the screening room (4)

Timelines in this area offer images for;

- Slide preparation using the T2 machine
- The slide preparation process
- Health and Safety

Map point 4: The screening room

Hotspots provide access to images and information about;
What the cyto screener sees, and
The daily workload.

A hotspot allows you to move back into the processing room (3)

Timelines in this area are;

- An interview with Emma, a Cyto Screener, and
- The use of the training microscopes.

Disablement Services

Map point 1 is in the Disablement Services reception area.

Hotspots in this area offer a closer view of;
Information displays, and
Wall mounted certificates.

A hotspot provides access to a point further down the main corridor (2).
Another hotspot offers a way back to the main hospital reception.

A Timeline shows a sequence of images of the display of artificial limbs.

Map point 2: The corridor

Hotspots in this area offer a way through to;
the plaster room (6)
the workshop (3)
and a return to the reception area (1)

Map point 6: The plaster room

A single hotspots moves through the exit and back into the corridor (2)

A Timelines offers some images showing the plaster casting process.

Map point 3: The Orthotic workshop

A hotspot in this area provides some images of an orthosis being made.

One hotspot allows you to move through to the other workshop (4)
Another hotspot returns you to the corridor (2).

Map point 4: The Prosthetic workshop

A hotspot allows you to move to the other end of this workshop (5)
Another returns you to the Orthotic workshop (3)

Timelines in this area include;
An opportunity to interview Colin, a Prosthetic Technician
A few images of a consultation room.

Map point 5: The Prosthetic workshop

Hotspots in this area include;

- A look through the window inside a small work room

- A safety signs poster.

A hotspot allows you to move back towards the other end of the workshop (4).

Emmeline Centre

Map point 1 is in the Emmeline Centre corridor.

Hotspots in this area offer access to three different noticeboards.

One hotspot provides access to an interview with Graham, Clinical Lead and Manager of the centre.

A hotspot allows you to move further into the Emmeline Centre (2) and another returns you to the main hospital reception.

Map point 2 is further down the Emmeline Centre corridor.

Hotspots in this area offer access to two different noticeboards and some posters.

A hotspot returns you to the other end of the corridor (1)

A Timeline here offers an interview with Chen, a Medical Physicist.

Another timeline allows you to view some simple tests for lip reading, as 7 short video extracts.

Haematology

Map point 1 is in the Haematology reception area.

Hotspots in this area allow you to;

- Take a closer look at the notice board
- Go into the treatment room (4)
- Move towards the labs (2)

and return to the main hospital reception

Map point 4: The treatment room

A hotspot is provided to leave this room (1).

Map point 2: The reception area, far end

Hotspots in this area allow you to take a closer look at two notice boards.

Other hotspots will;

- return you to the reception desk end and the exit (1),
- Move through the doors towards the labs (3)

Map point 3: The corridor

Hotspots in this area allow you a closer look at;

- a bag
- two noticeboards
- the cold room

Other hotspots provide access to;

- the Haemato-oncology lab (6)
- Molecular Haematology. (5)
- the diagnostic labs (8)
- the DNA/RNA preparation room. (12)
- the Haemostasis lab (7)

One hotspot allows you to return to the Haematology reception (2)

A single Timeline provides views of a lab close by that specialises in investigating platelet function.

Map point 5: Molecular Haematology

A hotspot is provided to exit this lab back into the corridor (3)

Map point 6: Haemo-oncology lab

Hotspots in this area offer;

- A look at the microscope in use, and
- A look inside the darkened room.

A hotspot provides a route back to the corridor (3)

Timelines in this area access images providing information about;

- Bone marrow film preparation
- Cytogenetic analysis

Map point 7: Haemostasis lab

A hotspot in this area provides an interview with Nadia, a Senior Biomedical Scientist.

A hotspot offers a route back to the corridor (3)

Timelines in this area include images and information about;

- Filing Samples, and
- Specimen Reception

Another timeline offers an interview with Steve, a Clinical Scientist.

Map point 12: DNA/RNA prep room

Hotspots in this area include;

- A look inside a chamber
- Taking care with dangerous materials
- The Laminar flow hood
- A container
- A powerpack
- The tank used with electrophoresis gels
- Moulds used to form gels
- A closer look at the PC screen
- Providing and disposing of water
- Other equipment at the end of the workbench
- Microwave

One hotspot is used to exit this lab back to the corridor (3)

Map point 8: main diagnostic lab

A Hotspot in this area provides images of transporting blood samples.

One hotspot allows you to enter the blood bank reception area (11),

Another allows you to move to the other side of the lab (9).

A hotspot is provided to exit the lab and return to the corridor (3).

Timelines are available here offering images and information about;

- Entering patient information
- Testing decisions
- Specimen documentation
- Barcoding specimens

Map point 11: Blood sample reception area

A hotspot in this area offers a view inside the fridge.
A hotspot is provided for access to the main lab through the door (8).
A hotspot is provided for access to the main lab through the hatch (10).

Map point 10: Blood transfusion area.

Hotspots offer a view inside a fridge and a freezer.
One hotspot offers a route through the hatch to the blood sample reception area (11) and the other moves across the lab (9).

A Timelines offers a few images to explain Transfusion requests.

Map point 9: main diagnostic lab

Hotspots in this area offer a view of;

- A blood analyser
- a computer screen

One hotspot provides an interview with Kim, a Biomedical Scientist.
Hotspots allow you to move across to the other side of the lab (8), closer to the exit from this lab and to move towards the blood transfusion section (10).

A Timeline in this area offers information about test results.

Histopathology

Map point 1 is in the Histopathology corridor.

Hotspots in this area allow you to move into;

- the main lab (5)
- the reporting room (3)
- the temporary cut up room (4)
- the tissue processing room (2)

One hotspot offers a return to the main hospital reception.

Map point 5: main lab

Hotspots in this area offer images and information about;

- Slide storage
- Ultra pure water
- Waste disposal
- Computer terminal

One hotspot allows a move across the lab (6)

Another provides a return to the corridor (1)

A Timeline in this area offers information about making up solutions.

Map point 6: main lab

A Hotspot in this area offers information about stains and the staining process.

Another hotspot provides a way back across the lab towards the exit (5)

Timelines in this area offer image sequences about;

- Slides
- Staining Samples

Map point 2: Tissue processing

Hotspots in this area offer images and information about;

- Embedding centre, and
- Excelsior processing machine

A hotspot is provided to return to the corridor (1)

Map point 3: The reporting room

A Hotspot in this area provides images about sample storage and another, a closer view of the microscopes.

A hotspot is provided to return to the corridor (1)

A Timeline offers access to an interview with Penny, a Consultant Histopathologist.

Map point 4: The temporary cut up room

A hotspot in this area offers images showing the activity in the cut up area.

A hot spot is provided to route back to the corridor (1).

A Timeline in the area allows you to view a short video extract of the cut up activity.

One timeline entry offers an interview with Jenny, a Medical Laboratory Assistant, and another an interview with Charlotte, a Senior BMS.

Maxillofacial

Map point 1 is in the Maxillofacial department.

Hotspots in this area include information and images of;

- Objects on a shelf
- Objects in three cupboards
- Objects in a drawer
- An electronic balance
- Some bench tools
- A mask

One hotspot provides access to the plaster room (2)

Another offers a route into the casting room (3)

A hotspot is provided to allow you to return to the main hospital reception.

Timelines in this area offer access to images and information about;

- Working with a patient
- Projects and the working area

Through timelines you can interview Rennie, Maxillofacial and orthodontic technician.

Other timeline entries offer audio responses from Nigel, a Dental Technician.

Map point 2: The plaster room.

Hotspots in this area offer access to images and information about;

- Sample moulds
- Plaster bench
- Materials used in the department
- Trimmed models
- A model trimmer
- Items on a shelf
- Glove boxes
- A polishing lathe

A hotspot allows you to return to the main department work area (1)

A Timeline in this area offers an interview Daniel, a trainee Dental Technician.

Map point 2: The casting room.

A Hotspot is provided to exit the casting room. (1)

Timelines here offer images and information about;

- Constructing a skull plate
- Working with teeth
- Equipment in the room

Medical Genetics

Map point 1 is in the Medical Genetics reception area.

Hotspots in this area provide access to;
the main lab and downstairs area (2)
upstairs to the tissue culture lab (6)

A hotspot is provided to use to return to the main hospital reception.

Map point 2: The main lab

A hotspots in this area looks at an application of IT.
Other hotspots allow you to move to the other end of the lab (3) or
back out to the reception area (1).

Timelines here provide images and information about;
Handling Radioactive Material
Processing patient samples

A timeline offers an opportunity to interview Emma, a trainee geneticist.

Map point 3: The main lab

Hotspots here offer a route through the doors to an equipment room (4)
or to return to the other end of the lab (2)

Timelines provide images and information about;
Automating a lab process
PCR Area

Map point 4: An equipment area

Hotspots in this area provide access to images and information about;
Genetic analysers
and a look inside a freezer

Hotspots offer a route;
Back into the main lab (3)
into the unit's office (5)

Map point 5: An office area

A hotspot here offers an interview with Carlyne, a trainee Cytogeneticist.
A hotspot allows you to return to the equipment room (4)

A Timeline entry shows Carlyne preparing some slides.

Map point 6: Tissue culture lab

A hotspot provides images and information about a spillage kit.
Another hotspot offers a route back downstairs to reception (1).

Medical Photography

Map point 1 is in the Medical photography reception area.

Hotspots in this area provide access to images and information about;

- Wall certificates
- The room bookings computer
- The Medical Photography staff

A hotspot allows you to access an interview with Bob, the Educational Resources Officer. One hotspot provides a route through to the eye photography room (5). Another will take you through to the Medical Photography work room (2) A hotspot is provided to allow you to return to the main hospital reception.

A Timeline entry shows Bob, working elsewhere in the hospital.

Map point 2: Medical photography work area

Hotspots in this area allow you to see images of work on three of the computer screens. Another hotspot offers an interview with Philip, a Senior medical Artist. Other hotspots provide a route to the other end of this work area (3) and a return to the reception area (1)

A Timeline provides some examples of Philip's work to view.

Map point 3: Medical photography work area

Hotspots in this area offer images and information about;

- Video editing
- A copy stand

Other hotspots allow you to move to the photography studio (4) Or back to the other end of the work area (2)

Timelines in this area offer images and information about;

- A portrait image
- Example work

Map point 4: The photo studio

Hotspots in this area provide images and information about;

- Tri-Corda camera
- A warning poster
- Skin cancer poster

A hotspot offers a route back to the work area (3)

Timelines in this area offer;

- An interview with Jackie, a Medical photographer.
- Images and information about patient photography

Map point 5: Eye photography waiting area

Hotspots in this area allow you to look at two of the noticeboards.

A hotspot offers views inside one of the examination rooms.

A hotspot offers access to the eye photography room (6)

Another hotspot routes you back to the Medical Photography reception area (1)

A Timeline in this area shows images and information about retina imaging.

Map point 6: Eye photography room

Hotspots in this area offer images and information about;

- A special camera

- Look at the imaging process more closely

A hotspot returns you to the waiting area (5).

Medical Physics

Map point 1 is in the Medical photography corridor.

Hotspots in this area provide images and information about;

- The Film Badge service

- The Technicians' room

A hotspot is provided to enter the department (2)

Another hotspot allows you to move back to the main hospital reception.

Timelines in this area offer images and information about;

- Radiation testing

- Testing equipment

- Noticeboard

- TLD's

Map point 2: Main corridor

Hotspots in this area offer images and information about;

- A noticeboard with historical information

- The dark room

A hot spot is provided to access the sealed sources room, (5)

And another to enter the treatment planning room (6)

A hotspot allows you to move forward from here (3),

and another offers a route back to the exit from the department (1).

Map point 5: Sealed sources room

A hotspot offers an interview with Lizzie, a Radiotherapy Physicist.

Another hotspot is used to exit this room and return to the corridor (2).

A Timeline in this area provides some images and information about radioactive sources.

Map point 6: Treatment planning room

Hotspots in this area allow you to look more closely at several of the PC screens.

A hotspot is provided to return to the corridor (2).

Timelines have entries which offer a short video extract explaining the use of the IT in this area, and another explaining the treatment planning process.

Map point 3: Main corridor

Hotspots in this area offer images and information about;

- information signs and notices

- a health and safety sign

- what an employee is doing

- a radiotherapy room

A hotspot provides access to the linear accelerator room (7)
And another towards a CT scanner (8)
A hotspot offers a route back towards the exit (2).

A Timeline offers images and information about the maintenance for the Linear Accelerator.

Map point 7: Linear Accelerator bunker

Hotspots in this area offer images and information about;

- Items on a shelf
- Resources used in this area
- The laser light
- The sink area
- A Plastic mould

A hotspot provides an exit from the room back into the corridor (3)

Timelines in this area offer images and information about;

- Making a patient mould
- Maintenance of the Linear Accelerator

A timeline entry offers an interview with Hannah, a junior medical physicist.

Map point 8: CT scanner control area

Hotspots offer a route through to the CT scanner room (9), and
a return to the corridor (3).

Map point 8: CT scanner control area

A hotspot provides a closer look at the scanner.
Another hotspot offers a route back out into the control area (8)

Map point 4: Film badge office

A hotspot offers a closer look at the noticeboard.
Another offers a route back out into the corridor (1).

A Timeline entry provides images and information about the Film Badge Service.

Microbiology

Map point 1 is in the Microbiology reception area.

Hotspots here offer a route through to the main corridor (2), or
A move through the reception hatch!
Another hotspot offers a return to the main hospital reception.

Map point 7: Reception

Hotspots here offer a few images and information about incoming work
Another hotspot enables you to move to the other side of the hatch (1).

A Timeline offers a sequence of images and information about receiving patient's samples.

Map point 2: Main corridor

Hotspots here provide access to;
the Virology lab (8)
the main lab (3)
Another hotspot provides a route back to Microbiology reception (1)

A Timeline entry is available and is a booklet about flu.

Map point 3: Main lab

Hotspots here include images and information about;
Centrifuges
Preparing petri dishes
Stains
Blood culture machines
Incubator
A water bath
Bacterial blood culture bottles

A hotspot allows you to move further into the lab (4)
Another hotspot provides a return to the corridor (2)

Map point 4: Main lab

Hotspots provide images and information about;
Petri dishes
Equipment

A hotspot allows you to move further into the lab (5)
Another hotspot allows you to move towards the exit of the lab (3)

Map point 5: Main lab

A hotspot allows you to move further into the lab (6)

Another hotspot allows you to move towards the exit of the lab (4)

Timelines here offer images and information about;

- Antibiotic sensitivity test

- Finding bacteria in a sample

- Preparing a patient's sample for testing

- Samples

A timeline entry provides an interview with Mark, a Senior Biomedical Scientist

Map point 6: Main lab

A hotspot allows you to move towards the exit of the lab (5)

Timelines in this area offer images and information about;

- Using the microscope

- Specimens coming into the lab

- Identifying bacteria

A Timeline entry offers an interview with John, a Quality Manager.

Map point 8: Virology lab

Hotspots here offer a route into the Virology lab (9), or

A return to the main corridor (2)

Map point 9: Virology lab

A hotspots here offers images and information about an electron microscope.

A hotspot offers an interview with Laura, a Trainee Biomedical Scientist.

A hotspot provides a route back to the entrance to this lab (8).

Timelines here offer;

- A short video extract of using the electron microscope.

- Two images of processing blood samples.

Mortuary

Map point 1 is in the Mortuary reception area.

Hotspots here offer routes through to;
the paediatric post mortem room (5)
the fridge room (2)
the chapel (4)

A hotspot provides a route back to the main hospital reception.

Timelines here offer interviews with;
Stacey, a Trainee post Mortem Technician
Lisa, a Trainee Anatomical Pathology Technician.

Map point 2: The fridge room

Hotspots here offer routes through to;
the post mortem area (3)
the mortuary reception area (1)

Map point 3: The post mortem area

Hotspots here offer images and information about;
Use of the white board
Health and safety
Equipment

A hotspot provides a route back to the fridge room (2)

A Timeline here offers access to an interview with Debbie, a Post Mortem Technician.

Map point 5: The Paediatric post mortem area

A hotspots here offers a route back into the Mortuary reception area (1).

A Timeline provides access to an interview with Michelle, a Trainee Paediatric Anatomical Pathology Technician.

Map point 4: The Chapel

A hotspot offers a route back to the reception area (1).

Timelines here offer images and information about;
Chapel arrangements
A local Bereavement support group
A Bereavement Brochure

Neurophysiology

Map point 1 is in the Neurophysiology reception area.

A hotspots here allows you to view images and information about resuscitation equipment. Other hotspots offer a way into an examination room (2), and A route back to the main hospital reception.

Timelines at this point provide a view of some posters on the waiting area wall, and a Multiple Sclerosis document.

Another timeline offers an interview with Julia, the Senior Chief Technician

Map point 2: The examination room

A hotspot shows a strobe light in the room.

A hotspot offers a way back out into the Neurophysiology reception area (1).

One hotspot offers an opportunity to interview Amy, a Trainee Neurophysiologist.

Timelines here provide images and information about;

- Parkinson's Disease

- Alzheimer's

- Amy testing a patient

- Outputs from the computer

Nuclear Medicine

Map point 1 is in the Nuclear Medicine reception area.

Hotspots here provide routes to the Nuclear Medicine corridor (2), and a route back to the main hospital reception.

A Timeline offers some images and information about radioactive syringes.

Map point 2: Nuclear Medicine corridor

Hotspots here provide images and information about;

- A patient being treated

- Posters

- A sealed source room

A hotspot offers a way to the camera room (3).

Another hotspot offers a route back to towards reception (1)

Map point 3: The camera room

A Hotspot provides some images of the PC computer screens.

Another hotspot offers an exit from the camera room and back to the corridor (2).

A Timeline includes an interview with Neil, a Nuclear Medicine Technologist.

Pharmacy

Map point 1 is in the Pharmacy area.

Hotspots here allow you to move towards the other end of this area (2), and return to the main hospital reception.

A Timeline at this point offers images and information about the Pharmacy Robot.
A Timeline entry offers an interview with Kate, a Pharmacy Technician.

Map point 2: The Pharmacy area

Hotspots at this point offer images and information about;

- Chutes
- Patient's own drug service
- Delivery Trolley
- Medicine Storage

A hotspot provides a route towards the other end of this area (1), and another hotspot allows you to move down to the pharmacy stores (3).

Timelines here offer images and information about;

- A Leaflet about medicines
- The process of dispensing in Pharmacy

A timeline provides access to an interview with Lucy, the Dispensary Manager.

Map point 3: The stores area

A hotspot here provides views of the stores.

A hotspot allows you to move further into pharmacy (4) and another returns you to pharmacy (2).

Map point 4: The preparation area

A hotspot provides images and information about the checking process.

A hotspot offers a route back to the store room (3).

Timelines here offer images and information about;

- Chemotherapy medication
- Technical officer preparing materials.

Phlebotomy

Map point 1 is in the Phlebotomy reception area.

A hotspot offers a view of a noticeboard.

A hotspot offers a way into the patient cubicles (2).

Another provides a route to return to the main hospital reception.

A Timeline offers access to an interview with Pam, a Senior Phlebotomist

Map point 2: The patient cubicles

Hotspots in this area offer images and information about;

- Hand washing facilities

- A trolley

- Sharps bin

- The blood sample process

A hotspot offers an interview with Liz, a Phlebotomist.

A hotspot provides a route back to the waiting area. (1).

Respiratory Physiology

Map point 1 is in the Respiratory physiology area.

Hotspots in this area offer images and information about;

- Equipment in the area
- An article in a booklet
- A closer look at a machine
- A mouth piece on the machine

A hotspot offers an interview with Priya, a Senior Lung Function Technician.
Another hotspot returns you to the main hospital reception.

Timelines here offer images and information about;

- Lung Function testing
- Outputs from the machines
- Stop smoking leaflet
- Posters
- Examples of materials found in this area

Theatre

Map point 1 is in the Theatre reception area.

Hotspots in this area offer views of some signs.

A hotspot offers a way to the theatres (2)

Another hotspot returns you to the main hospital reception.

Map point 2: The theatre corridor

Hotspots here offer access to;

the recovery room (3)

the preparation room (4)

the theatre (5)

A hotspot offers a way back to theatre reception (1)

Map point 3: The recovery room

Hotspots here offer images and information about;

A cubicle

A red trolley

Equipment in drawers

Hotspots offer a way into the theatre (5), and

way out of the recovery room into the corridor (2).

A Timeline offers images and information about nursing competences.

Another Timeline entry offers an interview with Sandra, a Team Leader

Map point 5: The theatre

Hotspots here allow you to move to;

the preparation room (4)

the recovery room (3)

the theatre corridor (2)

A Timeline here shows images and information about hygiene in the theatre.

Map point 4: The preparation room

A hotspot here shows some storage solutions.

A hotspot moves you into the Theatre (5)

And another moves you into the theatre corridor (2)

A Timeline here offers an interview with Gareth, a Unit Leader

Tissue Typing

Map point 1 is in the Tissue typing area.

Hotspots here allow you to move into the processing room (2), and return to the main hospital reception.

A Timeline provides images of a Primary Biliary Cirrhosis leaflet.

Map point 2: The processing room

Hotspots here offer a way to move through to the analysis room (3) and, return to the preparation room (1)

A Timeline offers images and information about patient samples.

Map point 3: The analysis room

Hotspots here allow you to move to the other side of the analysis room (4), and into the processing room (2)

A Timeline offers an interview with Natasha, a Trainee BMS.

Map point 4: The analysis room

A Hotspot here allows you to move to the other side of the analysis room (3)

A Timeline offers access to an interview with Sarah, a Clinical Scientist.