

Welcome to Thackray Museum of Medicine



MEDICAL INNOVATIONS

This Medical Innovations Trail has been put together for Key Stage Two groups. We hope you enjoy exploring the museum together.

The galleries are full of stories about medical inventions and innovations that have changed, and improved people's lives. This trail will help you to find out more about some of these amazing things.

Before we start there are some important things to note:

Innovation: A new method, idea or product that is designed to improve a situation or solve a problem.

Invention: Something, typically a device, that has been invented to improve a situation or solve a problem.



This sign means there is something for you to watch



This sign means it is time for you to be a detective



This sign means there is something for you to touch



This sign means there is something for you to look at



This sign means there is something for you to think about



This sign means there is an activity for you to do back at school.

DISEASE STREET

Start your journey on Disease Street. This gallery shows us what life was like in Victorian Leeds and gives us an idea of how people struggled before some of the medical innovations we will explore later.



Watch the Hannah Dyson Video and join her as she shows you around her street.



Pick a character. What is your character's name?

Why do you think it was so hard for your character to stay healthy on our Hazard Trail?



Would you have liked to have live on this street?

VICTORIAN OPERATING THEATRE

SOME PEOPLE MAY FIND THIS GALLERY UPSETTING

This gallery shows us what it was like to have surgery in Victorian times and how medics at the time were trying to help people, despite not having access to the Scientific knowledge we have today.



Watch the Video of Hannah Dyson having her leg operation.



Can you think of a medical innovation that we have now, that could have made Hannah's ordeal easier?

MAKING US WELL, OUTSIDE IN – PUBLIC HEALTH

It was important that people made changes to the way they lived.



Explore this gallery and discover some of the things that people did to improve living conditions.

Can you find one way which people improved the water they drank?

Can you find one way which people improved what they ate?

Can you find one way which people improved the houses they lived in?

DISEASE DETECTIVES

This gallery explores the key people and discoveries that help us understand microorganisms (bacteria, viruses etc) – both good and bad ones. Many of these discoveries, led to some of the greatest medical innovations in history so It is important that we look at them.



Watch the **What is a Germ?** video. It is important that we know what germs are and how we can help stop them.

What do you think is the most effective way to stop germs spreading?



Look around at the tables and find the answers to these questions.

What was **Antoine Van Leeuwenhoek** a pioneer in developing?

Who was **Mouldy Mary** and what team did she help with her work?

Who was **Louis Pasteur** and what did he discover?

CUTTING EDGE

This gallery shows us in more detail, some brilliant inventions from throughout history, that help us stay healthy.



Find the Kidney Dialysis machine.

What was the name of the man who invented the first type of Dialysis Machine?

What does a Dialysis Machine do?

Who does it help?



Find the stethoscopes.

Who invented the first stethoscope?

What do stethoscopes help doctors to do?

Why is a stethoscope so important to a doctor?

What is it about the shape of stethoscopes that help its' function?



Find the X-Rays on the wall.

Have a go at putting the x-rays up to the light. Can you work out which body parts they are?

Why are X-rays such an important innovation?



Make your way to the Voting Wall.

Now is the time to place your vote and decide which innovation you've seen in this gallery is the most important?

Why did you choose this innovation?

RESPONSE TO CRISIS

Medicine reacts to the world around us and responds to crisis in different ways, this gallery explores some of the positive medical developments that emerged from global crises.

Wartime sometime leads to some incredible innovations as the large number of people who are injured means that we need to think of new ways of treating people.



Can you find information about the following innovations that came about because of World War One? Tick them off when you find them.

Blood Transfusions

The Thomas Splint

Mobile X-Ray Vans

INNOVATION STATION



This is your chance to design, advertise and make a prototype for your own innovation.



Find the Bandaging station. Using Bandages to stop blood loss is an important innovation. Have a go and see if you have the skills to help someone.

BACK AT SCHOOL ACTIVITY



Produce a poster, play, article, or YouTube video for your chosen innovation, persuading your friends that you have picked the best one.