

Be Curious 2018

an invitation to find out, explore, investigate



We are
International

Saturday 17 March 2018
10am – 4pm
University of Leeds

@UniLeedsEngage
#becurious18



UNIVERSITY OF LEEDS

Welcome to Be Curious 2018 at the University of Leeds.

Thank you for coming along and wanting to find out what we do. We teach students and we also do a lot of research. Today we want to give you a glimpse of the research that is taking place here.

We have lots of exciting activities happening in the Parkinson and Michael Sadler Buildings and in the School of Music throughout the day.

Finding hidden treasures – treasure hunt for our younger guests

If you are between 5 and 12 years' old you can pick up a treasure hunt booklet from the stall outside Treasures of the Brotherton gallery. Collect all the other coin stickers from stalls in different buildings. Upon completion go back to the stall in Parkinson court and collect a free memento* of the event (*while stocks last).



Children-aimed activities

Stalls or activities that are specifically aimed at 5–12 years old will display Curio, the curious fish.

How to use this programme

The programme has a map and a guide of the activities taking place in the Parkinson Building, Michael Sadler building and the School of Music along with the lecture timetable, performance information and details of what you can see in the galleries surrounding Parkinson Court.

Zones

Parkinson Court

Parkinson – First floor

Parkinson – Basement

Baines Wing

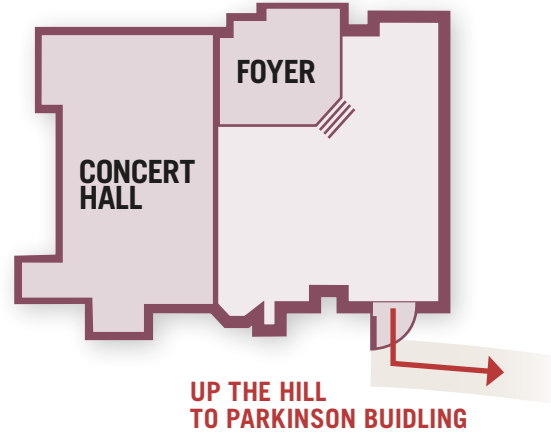
Michael Sadler

Music

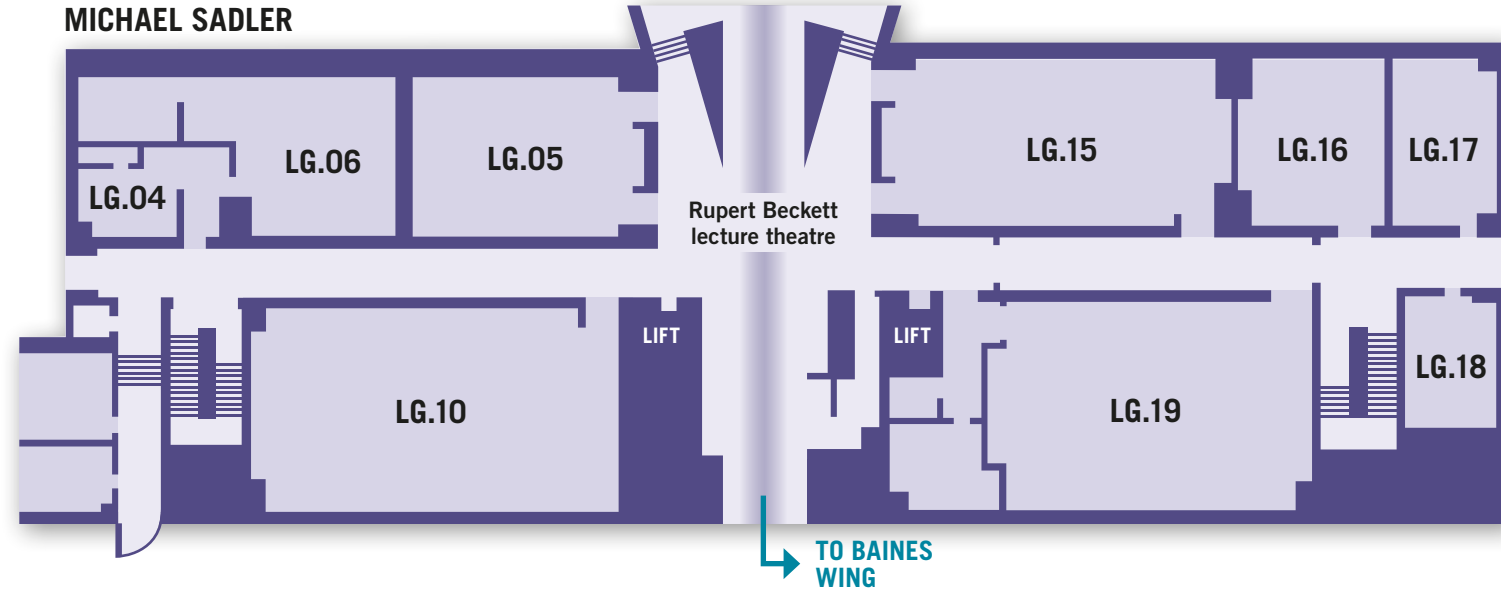
Open me up!

ACTIVITY MAP

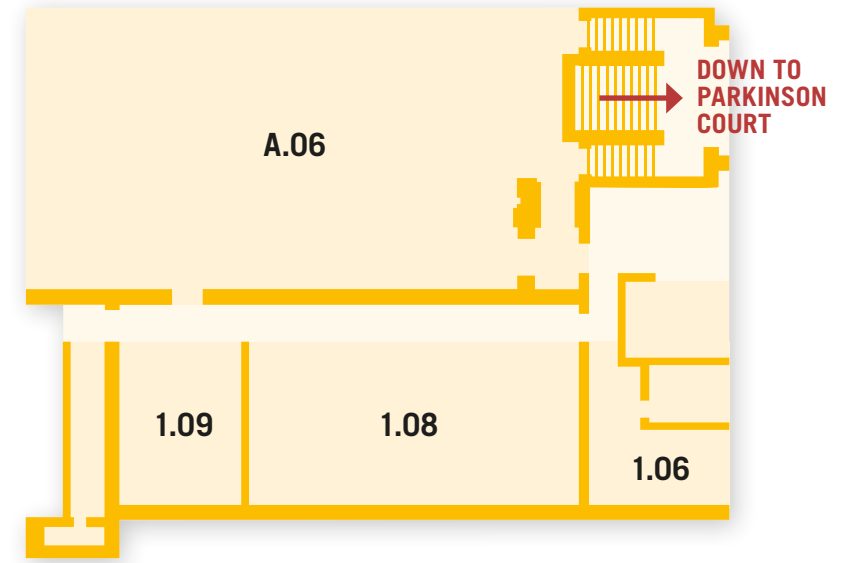
SCHOOL OF MUSIC



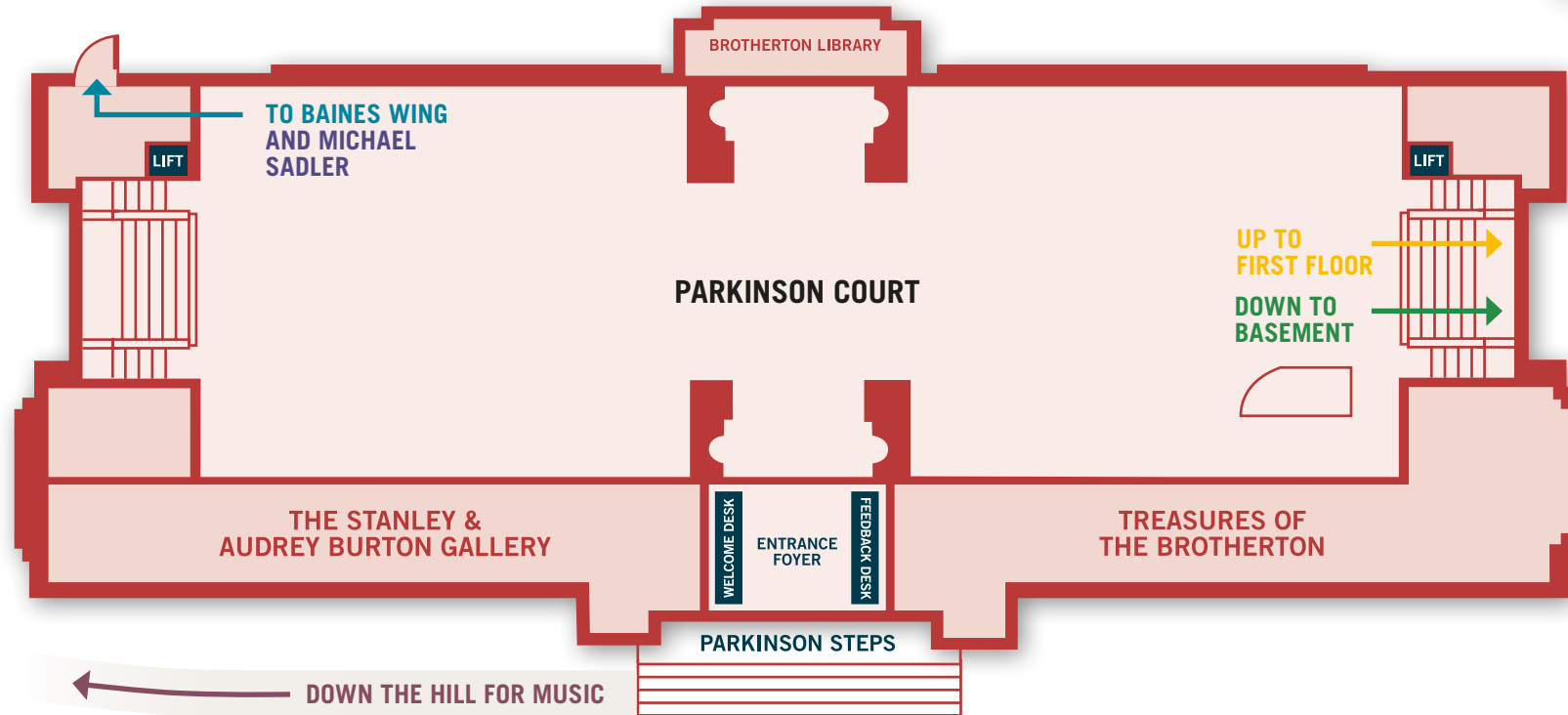
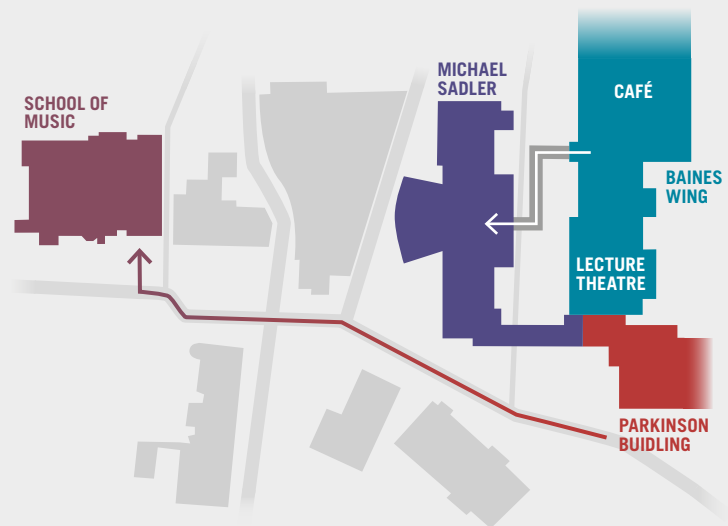
MICHAEL SADLER



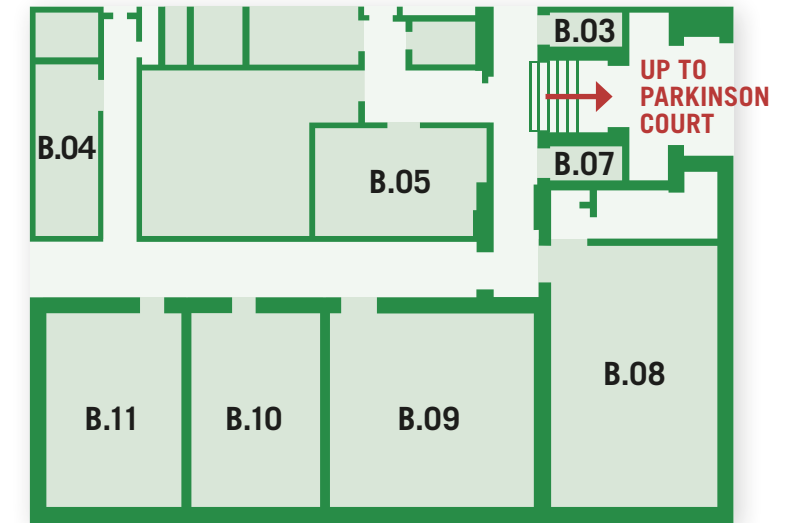
PARKINSON FIRST FLOOR



CAMPUS OVERVIEW



PARKINSON BASEMENT



PARKINSON COURT

Uncovering the coin collections



From ancient Greece to 18th century Yorkshire, studying coins can reveal much about different civilisations and societies. The University's collections contain coins from around the world as well as local currency. Join us to see examples from the collections and find out how we're making them accessible for research. At this stall you can also find the start of the children's treasure hunt.

First foods for infants – a vegetable first approach

Our activity showcases research on complementary feeding using our weaning guide which has been translated into Danish, Dutch, French, Greek and Portuguese. We have undertaken research in Kampala to examine beliefs and attitudes to solid food introduction in Ugandan mothers. Our activity raises awareness of a new Veg First! approach to complementary feeding.

Poo, farts, burps and rubbish – energy from global waste

Dealing with waste is an international challenge. What if we could use it to generate energy? We can put sewage and food waste into an anaerobic digestion plant, which generates biogas (methane) using bacteria - like a cow's stomach. Come and get 'hands-on' with our demonstration cow!

Mapping the world

Through a range of posters, web resources, and craft activities, you can encounter a range of ways people from different cultures (from China to Central America, from the Middle East to Europe) have represented the world on maps, from the 14th century to the present day.

Global surgery: safe surgery for everyone

Global surgery identifies and tackles the global challenges in delivering safe and effective surgical care to all people, focusing on working in low and middle-income countries. Our activity explores how our global group in Leeds is improving the delivery of surgical care in our collaborating countries.

Radiotherapy: personalised, precise and globally relevant

Come to learn about radiotherapy and hear how radiotherapy is helping patients across the world! Radiotherapy is high energy X-ray treatment and is used in the treatment of cancer. See our fun and interactive demonstration about the principles of radiotherapy, suitable for all ages. You can try on a radiotherapy mask and have a shot at treating Barbie on our model radiotherapy machine. Learn how research and clinical trials in radiotherapy can help patients across the globe and find out how many countries are involved in the production of a radiotherapy machine.

Brexit and its impact on diversity and community relations in northern towns

How and to what extent has the Brexit vote transformed community relations across northern towns? Our research looks at the challenges that diverse, international communities face after the Brexit vote. We ask how can stakeholders have a positive impact on inter-ethnic relations and, what do we learn studying diversity in northern towns?

How your weekly shop can help us better understand health

Visit our international grocery store to do your weekly shop and learn how we can use information on shopping habits to identify links between lifestyle and health and disease.

Do you have selfitis? Free health check here

Can you spot the difference between a selfie and a self-portrait? Is the global selfie phenomenon a way of connecting with others across the world or a dangerous addiction based on inauthenticity, deception and self-obsession? Can selfie-taking actually damage our health and well-being? Do you have selfitis? Find out here.

Tour of the Sustainable Garden

Many vegetables that are part of our everyday diet weren't originally from here. Join us on a tour of the Sustainable Garden as we explore how and where different vegetables originate from and how international our gardens and diet are.

PARKINSON BUILDING – FIRST FLOOR

FIRST FLOOR 1.08

How does ethical information influence our experience of food?

You will get a chance to discover how ethical information about food can influence how we experience food. We will explore how our individual food choices can impact global issues of sustainable food production, agricultural pollution and the welfare of people in developing countries.

Air quality in Leeds: a global challenge at local scale

Find out where Leeds ranks amongst the world's most polluted cities and what the University is doing to monitor air quality on campus. Help us find ways to reduce the amount of pollution that staff, students and members of the public are exposed to whilst travelling to or through the University campus.

From particle to product – Chemical Engineering in everyday life

Particles form part of many everyday products, from healthcare and pharmaceuticals, cosmetics and toiletries to agrochemicals and paint products. See how complex particulates research is beneficial to everyone, and show the range of industries involved, from small local firms to multinational companies.

1.09

How do we understand speech rate?

This is an interactive demonstration of the way we judge how fast someone is talking, and how well we can understand unfamiliar accents. You will be able to try experiments used in cutting-edge speech perception research, and discover that speed perception is a feature of languages across the world.

PARKINSON BUILDING – BASEMENT

B08

Medieval memories

What do we remember about the Middle Ages? Which important people and events worldwide should be remembered better? How do we remember the Middle Ages in modern film, TV, architecture and Wikipedia? Come and find out about more about the global Middle Ages through games, internet, food, pictures and stories.

B09

Big Mouth

Big Mouth showcases several international research projects from the School of Dentistry. Come and join in interactive demonstrations to understand how food causes acid erosion to teeth. Take the opportunity to test cutting edge technology that simulates drilling out tooth decay. Explore the sounds of a dental experience. Experience interactive oral health demonstrations and find out information about getting involved in research.

PARKINSON BUILDING – BASEMENT

B09

A picture is worth a thousand words

'A picture is worth a thousand words' demonstrates the role of medical photography. There will be the opportunity to take digital photographs and video to document the structure of the human face.

B10

Engineering your body

A range of hands-on activities to demonstrate concepts of tissue engineering and imaging including a 'cell-sorter', 3D printed bone scaffolds and touch-screens to demonstrate imaging. We'll use a skeleton to show you where in the body tissue engineering is applied.

BAINES WING

Leeds University Business School mini-lecture series

Leeds University Business School will present a mini-lecture series with two themes:

- i) how individuals can make better decisions on matters such as finance, health risk and driving routines, and
- ii) how the world of business is changing and what it will be like in the future, focusing on: Chinese business investment in the UK (in the light of Brexit), diversity and inclusion at work, how robotics will change our cities and the way we work and how international business partnerships can help our UK companies expand abroad.

B11

How and why in 100 tongues – benefits of learning languages

Can anyone learn any language at any age? Does speaking another language delay dementia, lead to better-paid jobs, make you better at maths? Discover more about being multilingual in today's global world. Try it out for yourself – learn 10 phrases in 10 minutes.

11.00am What psychology tells us about how we make financial decisions

11.30am Understanding your health risks: How to make more informed decisions about your health

12 noon Running late? Think twice about bringing your car to full speed

1.00pm Raising the ceiling on diversity and inclusion

1.30pm Rethinking economic value globally and locally

2.00pm Best in class international franchising: how to sell a service abroad

MICHAEL SADLER BUILDING

OUTSIDE MICHAEL SADLER

BogTastic – moors for the future

In the hills near Leeds, there's a mysterious world in the clouds, where our drinking water is cleaned, water is stored to help reduce the risk of flooding, carbon accumulates to tackle climate change, and bizarre plants live alongside unique, magical animals. Blanket bog! Immerse yourself in the wonderful world of the Bogtastic van! Find out why Moors for the Future Partnership and scientists from Leeds is working hard to protect the moors of the South Pennines.

LG 10

We are interstellar (from stars to comets to us!)

30 minute performances between 11am and 3pm. Free tickets are available from the information desk in Parkinson Court entrance.

Astronomy is an international subject in which scientists from across the world work together in some of the most remote places (and satellites in space!) to help tackle some of the biggest issues – including how do stars and planets form, and how does their formation leave behind residues that can lead to us. We will be showing art and performance, scientific simulations from the most powerful supercomputers, and some real astronomy to show how all this ties together!

LG 15

Skipton's first world war German prisoners

On this stall visitors will be able to discover what life was like as a German prisoner of war in Yorkshire during the First World War. Activities will include: a colouring competition, a simple translation activity, guessing the identity of objects found in the archaeological dig and a virtual tour of the camp in 3D.

Studying transnational war volunteering at the University of Leeds

Why, throughout the 19th and the 20th century, did men and women make the same decision to volunteer in transnational armed struggles? Why did foreign volunteers participate in civil wars, revolutions, and inter-state conflicts of no direct material concern to themselves? Garibaldinism at Leeds is trying to answer these questions.

Quantum Communications for ALL (QCALL)

Would you like to know about the emerging quantum communications technologies? They are going to change how we can securely communicate over the internet. They change the existing paradigms for secure communications and replace them with techniques that are physically unbreakable. Come to our booth to see how they work.

Turning the invisible visible

An interactive mapping exercise to explore the value of landmarks that make up the Leeds skyline and the city's "invisible" and hidden infrastructure. Come and discuss different features of places while drawing on your memories and knowledge to explore changes, problems and opportunities.

Memory and language around the world

A series of interactive, table-top activities centred on research currently taking place in the School of Psychology. All tasks are fun and suitable for children. You will have the chance to learn about the science underpinning the activities, and learn about other countries and languages.

LG 16

A taste of mindful eating

Have you ever tried eating a piece of chocolate with full attention and curiosity? Come along and join in the experience. Learn how evidence-based mindful eating skills can help people eat more healthily and lose weight.

MICHAEL SADLER BUILDING

LG 17

An insight into bowel cancer through statistics

Take on fun games and challenges to explore how researchers bring together the stories of cancer patients across the UK, to find ways to improve care and diagnosis of gut cancer. Bowel cancer is the 3rd most common cancer worldwide, and research using UK data might help patients everywhere.

Dr. Digital: algorithms for health

An algorithm is a series of steps we use to solve a problem. People and computers use them every day. At Leeds we are developing algorithms to detect when cancer comes back after treatment. Come and have a go at some algorithms and maybe your own algorithm can help others too.

The fight you can't see: invisible illnesses in young people

There are about 1.8 billion young people aged 10 to 24 around the world. At least a quarter of those young people live with an invisible illness, such as arthritis. In this activity, you'll learn more about arthritis in young people, and why everything isn't always as it seems.

LG 19

Seeing is believing: cool microscopy at Leeds

The University of Leeds is home to two of the most powerful electron microscopes in the world for studying proteins and cells. While the microscopes themselves are huge, more than 4m high, they allow us to look at microscopic proteins and viruses with enough detail to see their individual building blocks. Come and see for yourself through the power of virtual reality and tours down to the microscopes how this world class equipment is helping us tackle some of the biggest challenges of our time, including antibiotic resistance, cancer, dementia and more.

Design a cycle-friendly city

This activity will put you in control of a city's investment in cycling infrastructure up to 2050. For Leeds or elsewhere you will decide what is built and where. In the process you'll learn how evidence can help prioritise international investment for a 'zero carbon' future.

Unusual and exciting fluids!

Not all fluids flow like water. Non-Newtonian fluids like magma and custard are found all over the world and behave in an entirely different way. Find out about the weird and interesting properties they possess by watching our demonstrations and getting involved with the interactive models.

Tackling plant blindness

Come and learn about native and non-native plants, where they have come from and what challenges they pose. We will have a game to test your plant knowledge and see if you can guess the origin of our non-native plants.

How our body uses glucose

We will travel through the body to understand how glucose and nutrients we eat are absorbed and metabolised in the different organs. We will look at the effect that high glucose diet can have in your body and how high glucose can trigger the development of diabetes.

Trains, planes and automobiles – all tribology games!

Have you ever wondered about the propeller on an aeroplane? Or a slow train because of "leaves on the line"? We are researching some of the key ways trains, planes and cars work and want to invite you to see how our research effects people around the world.

MUSIC

FOYER

Say hello to the piano

In 2018 the city of Leeds will once again welcome the finals of the Leeds International Piano Competition, a triennial global music event. We want to open up the understanding and enjoyment of the piano to everyone in Leeds.

Performance and 'in conversation' with Opera North

15 minute performances followed by conversation at 12 noon, 1pm and 2pm. No tickets required.

Come and experience bite-sized opera from across Europe with Opera North bass Ross McInroy and pianist Philip Voldman and join them in conversation about the music and their careers.

CONCERT HALL

Steinway experience

Please register for a 5 minute slot in the School of Music on the day.

Do you play or are learning to play the piano? Today you have the chance to experience what it's like to play as a professional! Bring your music and play a short piece (up to 5 minutes) on a Steinway concert grand in the University concert hall (without audience).

UNIVERSITY GALLERIES



The **Stanley & Audrey Burton Gallery** is an oasis of calm, inspiration and art, just off Parkinson Court. The Gallery offers innovative temporary exhibitions and displays treasures from the University Art Collection. The collection includes stunning examples of European and British painting, drawings and prints, dating from the 17th century up to the present day.

The **Treasures of the Brotherton Gallery** is the public face of the world renowned Special Collections held at the Leeds University Library. The permanent display contains many highlights including Shakespeare's First Folio, original material written by the Brontës, stunning illuminated medieval manuscripts and rare books from across the globe.

Safety

Adults bringing children under the age of 18 are reminded that they must stay with them throughout the event.

We are not expecting a fire alarm test today, therefore if you hear the alarm, please follow either the student guides (in red T-shirts) or members of staff out of the building via the nearest fire exit and do not return to the building until instructed to do so.

If you require first aid assistance at any time throughout the event, please inform a student guide (in red T-shirts) or a member of staff and they will assist you. If this is not possible, please phone University Security on 0113 3432222 and explain where you are and they will assist you.

The main information point is located in the centre of Parkinson Court. Should you need any assistance, additional student helpers can be found in Michael Sadler building and Baines Wing. Student guides are on hand throughout the day, you can identify them by their red T-shirts with a University of Leeds logo. We are keen to hear what you think of Be Curious 2018 today and you can let us know on your return to the feedback desk in Parkinson Foyer.

Disabled access – lifts/trails

There is lift access to all our venues throughout the campus. If you have access issues, please raise this with a student guide (in red T-shirts) and they will help and show you the disabled access route.

Toilets and baby changing facilities

There are toilets located across campus, which are highlighted in each venue. The main toilets in Parkinson Court are on the lower ground floor and can be accessed by the stairs or lift on either end of the court. Baby changing facilities are located in the toilets in Parkinson Court and Baines Wing.

Café

There is a café in the Baines Wing corridor between the Parkinson and Michael Sadler buildings where you may purchase drinks and snacks during the event.

Parking on campus

If you have parked your car on campus you need to pay the required fee at the payment machine on level 1 of the multi storey car park before you exit. This must be paid by debit/credit card. If you fail to pay, you will receive a fine through the post as registration plate recognition cameras are active on all car park exits.

Thank you

Thank you to the Wellcome Trust, RCUK, and other collaborators across the city and region for kindly supporting this event and to all the staff and students involved in coordinating and delivering the event together.

Don't forget to follow us on Twitter
#becurious18 and take a look at our
website www.leeds.ac.uk/becurious



UNIVERSITY OF LEEDS

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