Be Curious 2017
an invitation to find out, explore, investigate

Saturday 25 March 2017
10am – 4pm
University of Leeds
Parkinson Court, Woodhouse Lane, LS2 9JT

@UniLeedsEngage
#becurious17

About Leeds and Yorkshire

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UNIVERSITY OF LEEDS
Welcome to Be Curious 2017 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 Parkinson Court
and Michael Sadler Building throughout the day.

Let’s Go Viral Treasure Hunt for our younger guests
If you are between 5 and 12 years old you can pick up a treasure
hunt booklet from stall 7 in Parkinson Court. Answer the questions
and collect all the virus stickers from poster displays in different
zones. On completion, go back to stall 7 in Parkinson Court and
collect a free memento (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 is split into two main sections: a map and guide
of the activities taking place in Parkinson Court, along with the
lecture timetable, discovery dome information and details of what
you can see in the galleries surrounding Parkinson Court. When
you open the guide you will see the five zones, with more activities
in Michael Sadler Building.
There is lift access to all venues in use during Be Curious. Please ask a student helper in a red T-shirt if you are unsure of lift locations.

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 at either end of the Court.

Baby changing facilities are located in the toilets in Parkinson Court and Baines Wing.

1. Exploring urban ecology on campus
   Come and explore the hidden world of urban ecology on the University of Leeds campus. Do you know what ecosystems can be found outside your door?

2. Leonardo ramp and tribology games
   What links ice skating, Formula 1 racing, the textile industry and Disneyland? It’s tribology, a little known branch of mechanical engineering, which is responsible for giving Leeds its proud history as a global leader in the textile industry.

3. Cryptography: creating and breaking into secrets
   Learn how to create a secret message and how this is used to protect important information. Find out what “cryptography” is all about and take home your own personal decoder.

4. Discover Yorkshire’s climate past, present and future
   Discover what the climate in Yorkshire was like 20,000 years ago when the Dales were covered in ice and mammoths roamed the hills. See how Yorkshire’s climate is expected to change in the coming decades.

5. The Pavilion: making photography and visual art accessible in Leeds 1983 to the present
   The Pavilion is an active organisation in contemporary art, which commissions new art work and runs events. Find out about its history in a display in Parkinson Court. There will be a film programme in the Fine Art Building and at the Hyde Park Cinema as part of the presentation of this lively cultural force in Leeds.

6. Life and death in Leeds
   Meet researchers involved in working with local history records and find out how to do some of your own research using the collections held at Leeds University Library and Leeds Central Library.

7. Let’s go viral
   If you are between 5 and 12 years old you can pick up a treasure hunt booklet from stall 7 in Parkinson Court. Collect all the virus stickers from various posters displayed in different zones. On completion go back to stall 7 in Parkinson Court and collect a free memento (while stocks last).

8. Demonstration of a bicycle warning system in an HGV simulator
   Cyclists suffer a disproportionate share of serious injuries and fatalities through road accidents. The XCycle project is helping to develop and test warning systems for HGV drivers to help reduce HGV/bicycle collisions. A tour and demonstration of the simulator and warning system is available.

9. Bragg-ing about Leeds
   We’ll take a look at the research of WH Bragg at Leeds into X-rays and X-ray diffraction over 100 years ago that led to an equation describing diffraction. We’ll show how the new £5 note can be used to see Bragg’s Law in action.

10. Electron microscopes at Leeds
    The University of Leeds has some of the best electron microscopes in the world. Come on one of our 30-minute tours and see how we use super cold liquid nitrogen to prepare samples and have a go at driving the amazing microscopes.
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Immerse yourself in our five zones about Leeds and Yorkshire ...

**Cities zone:** Parkinson First Floor, Room 1.08

*Take the stairs or lift at the café end of the Court to the first floor.*

How we live in cities and how we make city life **future proof** is one of the global research challenges and in this zone you will explore a current city-wide project known as **living labs**. You can see current research about **sustainability** and working with the third sector in Leeds. You can become a data detective and use your detective skills and help find answers to city-wide challenges, as well as understanding why we need to research into **dynamics of crowds**.

**Health zone:** Parkinson Basement Rooms

*Take the stairs or lift at the café end of the Court to the basement floor.*

Health is of major importance to us all, therefore there is a vast array of research carried out at Leeds leading to many improvements in health and care across the city and region. Come along to the health zone to have an individual health check, find out what current research is happening around **cancer**, learn more about **metabolic conditions** such as diabetes and understand what is being done in Leeds to combat the rising epidemic of **obesity**.

**Climate and water zone:** Michael Sadler Building LG19

*At the dome end of Parkinson Court, follow the signs to the Michael Sadler Building.*

On the lower ground floor of the Michael Sadler Building to the right you will find LG19. Climate and water research developed at the University is benefiting residents of Leeds and Yorkshire – come and find out how. We have stalls illustrating **flooding** and the solutions that are being used to combat this. We have activities looking at the quality of the **air we breathe**. Other activities show how the waste we produce and the activities we pursue impact on our local **rivers** and the **non-native species** we see in them.
Culture zone: Michael Sadler Building LG15 and Level 1 Foyer

At the dome end of Parkinson Court, follow the signs through Baines Wing to the Michael Sadler Building. On the lower ground floor of the Michael Sadler Building to the right you will find LG15. On the first floor you will find level 1 foyer.

In our culture zone, we have a diverse mix of history, religion, storytelling and much more. Come and see diaries from German Prisoners of War in Skipton during World War I and see some of the finds, including a trench whistle and uniform buttons. Find out about ‘enemy aliens’ during World War I and the internment of 1,500 civilians at Lofthouse Park Camp.

Woodhouse Moor was acquired by the Leeds Corporation and became the city’s first public park. Visit our activity or join us for a guided tour of the park to learn about the role of these spaces in the city, from their Victorian origins to the present day. Come and see our live market stall and listen to vivid sound recordings of the voices of people in Leeds. We are showcasing digital stories created with Leeds residents, using the community storytelling application Yarn.

Science and Engineering zone: Michael Sadler Building LG10

At the dome end of Parkinson Court, follow the signs through Baines Wing to the Michael Sadler Building. On the lower ground floor of the Michael Sadler Building to the left you will find LG10.

In the science and engineering zone, you will find out how antibiotic resistance is becoming more and more dangerous and what we are doing to beat it. See how our research into foot-and-mouth disease is helping to understand the ‘Achilles heel’ of the virus. You will be able to extract food colours from Yorkshire foodstuffs using purification procedures that we perform routinely in our labs. Find out how we use X-rays to study crystals and see highlights of the historic role Leeds has played in developing nanoscience.

See elements of Leeds research from our energy, chemical and medical engineering disciplines finding solutions to replacing fossil fuels and demonstrating the science and engineering behind products used every day. We also work with companies and hospitals around Leeds and Yorkshire to create experimental and computational models to help develop and test new implants and therapies for musculoskeletal disease and arthritis. Come and see some of these exciting developments in medical engineering for yourself!
Hear from our staff at the Leeds Business School about topics of interest that relate to Leeds and Yorkshire.

This activity will take place in Room G37 in the Baines Wing. Suitable for 14 years+
Seats are allocated on a ‘first come, first served’ basis.

11.00am–11.30am
Dr Andrea Taylor
Climate change and extreme weather: What concerns us most?
This talk explores recent research on beliefs about climate change and extreme weather in the UK. Focusing on those climate and weather risks that are particularly relevant to Leeds and Yorkshire, it will examine some of the factors that influence people’s expectations about what the climate will be like in the future, and how this could affect their preparedness for different types of extreme weather.

11.45am–12.30pm
Prof Timothy Devinney
Why do people find it so hard to consume 'ethically'?
When asked in surveys or interviews an overwhelming number of people profess to not just wanting to consume more ethically but indicate that they already do so. However, experiments and market data show that few people do consume in such a manner and that when they do, it invariably has little to do with ethics. In this presentation we will discuss some of the reasons why this is the case and what may be strategies to counter what is known as the ‘attitude behaviour gap’ with respect to more socially responsible consumption.

12.30pm–1.15pm
Dr Michael Reynolds
How does Leeds work?
The nature of work is changing and Leeds is no different. Do the people of Leeds still do the jobs they used to do? How have these jobs changed and what jobs could we be doing tomorrow?

DISCOVERY DOME

Do you see a big black inflatable dome at one end of Parkinson Court? This is the discovery dome! Inside you can sit down, relax and watch a 10-minute film.

To see the film, collect your free tickets from the desk outside the dome for a specific allocated time slot.
Disabled access
There is lift access to all venues in use during Be Curious. Please ask a student helper in a red T-shirt if you are unsure of their locations.

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 at either end of the Court.

Baby changing facilities are located in the toilets in Parkinson Court and Baines Wing.

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 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 a red T-shirt) 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.

Information point
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
Student guides are on hand throughout the day, you can identify them by their red T-shirts with a University of Leeds logo.

Feedback
We are keen to hear what you think of Be Curious 2017 today. Please let us know on your return to the feedback desk in Parkinson Foyer. You will receive a gift (while stocks last) for completing our feedback activity.

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 putting the event together.
The **Stanley & Audrey Burton Gallery** is an oasis of calm, inspiration and art. 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.

### 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.

The parking charges are as follows, £2 for the first two hours, and an additional £1 per hour thereafter.

Don’t forget to follow us on Twitter **#becurious17** and take a look at our website [www.leeds.ac.uk/becurious](http://www.leeds.ac.uk/becurious)