



OXFORD
BROOKES
UNIVERSITY

SCIENCE BAZAAR BEYOND



Programme

Saturday 1 March 2025

9:30 am – 11:30 am autism friendly opening

11:30 am – 4:00 pm open to all

Oxford Brookes, Headington Campus
Gypsy Lane, Headington, OX3 0BP

Sponsored by:

**MORGAN
SINDALL**
CONSTRUCTION

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Science Bazaar 2025

We're so excited to have you join us for a day of discovery, creativity and hands-on fun! With over 70 amazing activities spread across our interactive zones—including Happy and Healthy, Life Factory, Mind Your Brain, Tech Zone, Discovery Zone and the ever-popular LEGO Café—there's something for everyone to explore.

Whether you're piloting a drone, building with LEGO bricks, diving into the wonders of the brain, or discovering how science shapes

the world around us, we hope you'll have an unforgettable time. This event is all about celebrating curiosity and inspiring learning.

Get ready to roll up your sleeves, try something new and enjoy this action-packed day with family and friends.

Thank you for being part of the Oxford Brookes Science Bazaar 2025—we can't wait to see the amazing discoveries you'll make today!

This year the Oxford Brookes Science Bazaar is sponsored by Morgan Sindall Construction. Morgan Sindall is a leading UK construction and infrastructure company, known for delivering complex and innovative projects across a range of sectors, including commercial, education, transport, and housing. With a strong commitment to sustainability and community impact, Morgan Sindall partners with clients to build high-quality environments that make a lasting difference.



"As the proud lead sponsor of this free educational event, Morgan Sindall Construction is dedicated to championing initiatives that reflect our core values of inspiring and empowering the next generation to achieve extraordinary goals. Our passion for creating spaces where people can live, learn, and thrive is at the heart of all we do, and we are thrilled to support future talent through this meaningful partnership."

James York, Area Director at Morgan Sindall

Have fun and happy exploring!

Timed Bookable Activities

Activity	Description	Time	Location
Science Oxford's Fire Show	The science, power and dangers of fire through thrilling, safe demonstrations that reveal its life-saving secrets.	1) 10:00 - 11:00 (autism friendly show) 2) 13:00 - 14:00 3) 15:00 - 16:00	John Henry Brookes Lecture Theatre
Jasper the Spider poetry performance and craft	Author Jules Pottle brings Jasper the Spider to life in a fun, interactive story about friendship and classification.	1) 10:00 -11:00 (autism friendly show) 2) 12:00 -13:00 3) 13:30 -14:30 4) 15:00 - 16:00	CLC.G.29
Sustainable, Healthy Nutrition	This storytelling performance explores sustainable, affordable and nutritious ingredients to create delicious, eco-friendly meals.	1) 11:00 -11:30 (autism friendly show) 2) 12:30 -13:00 3) 13:30 -14:00	Clerici Learning Studio
Explosives Demo	Experience flashes, bangs and explosive science in a thrilling demonstration of fiery experiments.	1) 11:30 -12:30 2) 13:00 -14:00 3) 14:30 -15:30	Sir Kenneth Wheare Hall (Tiered)
Working together for a mental advantage in sport: A parent-child collaboration	Interactive workshop, helping parents and children develop a winning mindset.	1) 12:00 -13:00 2) 14:00 -15:00	CLC.G.31
From Bloodstreams to Datastreams: A Career in Technology	The choices made, chances taken and challenges faced building a career in Technology	1) 13:00 -13:45 2) 15:00 -15:45	CLC.G.30
Caterpillar Heroics with Neill Cameron	Create a cartoon caterpillar with fun defenses and learn how they protect themselves!	1) 13:30 -14:30 2) 15:00 -16:00	John Henry Brookes B.08 Lecture theatre
Heroes and Leaders: Create Your Own Comic Adventure	Create your own super-team with heroes, robots, dinosaurs and ninja donuts!	1) 10:00 - 11:00 (autism friendly show) 2) 11:30 - 12:30	John Henry Brookes B.08 Lecture theatre
Neurons in Stitches: Crochet Your Own Motor Neuron	Crochet your own motor neurone while exploring the structure and function of these essential cells in a fun, tactile way!	1) 10:00 - 10:15 2) 10:15 - 10:30 3) 10:30 - 10:45 4) 11:00 - 11:15 5) 11:15 - 11:30 6) 11:30 - 11:45 7) 12:15 - 12:30 8) 12:30 - 12:45 (autism friendly show)	CLC.G.32
Lung in a Bottle	Explore the science of breathing by building a working lung model with plastic bottles and balloons.	1) 10:00 - 10:25 (autism friendly show) 2) 11:00 - 11:25 3) 13:00 - 13:25 4) 14:00 - 14:25	CLC G.12
Float Boat Race	Design, build and race your boat while learning the science of buoyancy in a fun, hands-on way!	1) 10:00 - 10:35 (autism friendly show) 2) 11:00 - 11:35 3) 13:00 - 13:35 4) 14:00 - 14:35	CLC G.27
Awesome Organs	Explore the human body, discover how your organs work together and enjoy interactive games and experiments using medical equipment!	1) 10:00 -10:20 2) 10:30 -10:50 3) 11:00 -11:20 4) 11:30 -11:50 5) 13:00 -13:20 6) 13:30 -13:50 7) 14:00 - 14:20 8) 14:30 - 14:50 (autism friendly show)	CLC G.28
How Social Movements Shape Society: The Power of Pro-test – Understanding Black Lives Matter	Explore social movements in this Black Lives Matter workshop, analysing tactics and testing protest methods.	1) 11:30 - 12:30 2) 13:00 - 14:00 3) 14:15 - 15:15	CLC G.13



Tech Zone

Oxford Brookes Racing

Sir Kenneth Wheare Hall (Flat)

Feel the thrill of Formula 1 at our interactive racing experience!

Team Repair

Sir Kenneth Wheare Hall (Flat)

Repair gadgets and identify components in this hands-on activity!

Spot the Robot Dog

Sir Kenneth Wheare Hall (Flat)

Come see the ultimate K-9 of the future!

What does it take? Cyber Security

Sir Kenneth Wheare Hall (Flat)

Test your skills in cracking codes in this hands-on cyber security challenge.

Maths in Action

Sir Kenneth Wheare Hall (Flat)

Discover the amazing patterns and puzzles of maths through interactive activities!

Hamilton Brookes Stand

Sir Kenneth Wheare Hall (Flat)

Explore hands-on science activities and meet author Jules Pottle.

Star Power: Energy for the Future

Sir Kenneth Wheare Hall (Flat)

Nuclear science with UKAEA—plasma ball, Mast-U game, and hands-on experiments!

WiN CE presents, The Future is Nuclear: Virtual Reality Tour & Robotics

Sir Kenneth Wheare Hall (Flat)

WiN UK: VR tour, robotics, quizzes with chocolate, and colouring fun!

Powering the world to a sustainable future

Sir Kenneth Wheare Hall (Flat)

Build a battery and explore energy tech with The Faraday Institution!

Science at ISIS Neutron and Muon Source

Sir Kenneth Wheare Hall (Flat)

Touch meteorites, feel the charge, and explore science with LEGO and robotics!

Drone City: Coding Challenge

Student Union Square

Code a drone to deliver supplies and master autonomous flight!

Discovery Zone

Relax and create in our peaceful space.

Jump, run and memorise like an astronaut - plus VR ISS and LEGO models!

Grab a brush and write your name in Chinese.

Create a beautiful poem filled with Chinese characters.

Create your own paper cutting of Chinese animals.

Discover brain injuries through games, scans, and a 3D-printed brain!

Hop into the Barclays Van to code, design, explore careers, and play!

Take a photo with the Barclays Premier League & Women's Super League trophies!

BioBuilding: Sustainable futures through regenerative building design

JHBB G.20 LT

Share your vision for greener cities and help scientists shape the future!

Edible Streets

JHBB G.20 LT

Transform your street into a shared garden of fruits, veggies, and flowers!

Bubbles to bloom: Sustainable future through Nanomaterials

JHBB G.20 LT

Dive into the world of nano-materials and explore how they interact with sound.

Water Detectives

JHBB G.20 LT

Become a water detective and test water samples to uncover the truth—will you crack the case?

Mapping narratives of Social Cohesion through Social and Solidarity Economy Organisations

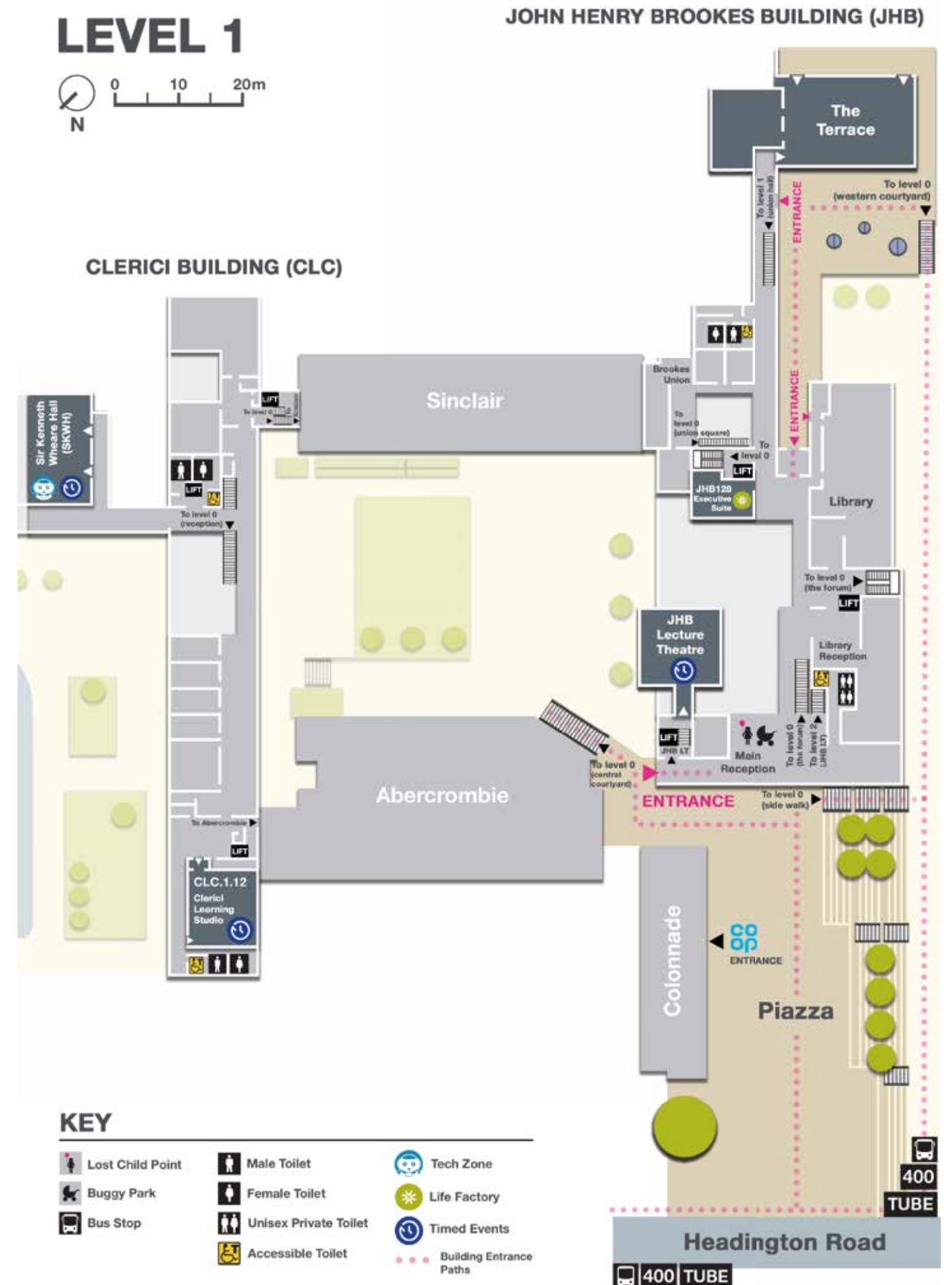
JHBB G.20 LT

Help map community connections in Oxford and share how SSE organisations foster inclusivity!

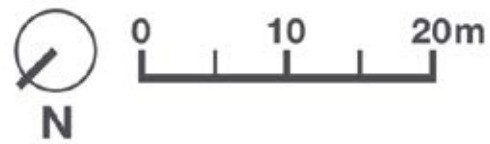
Sustainable Energy

JHBB G.20 LT

Explore a 3D-printed wind turbine and see how wind power can shape a sustainable future!



LEVEL 0



CLERICI BUILDING (CLC)

JOHN HENRY BROOKES BUILDING (JHB)





Life Factory

Animal Science and Adaptations!

CLC.G.06

Enjoy hands-on animal science activities, exploring adaptations and taking home some fun surprises!

Be a Rainforest Explorer with Borneo Nature Foundation

JHBB Executive Suite

Track species in a Borneo rainforest adventure and earn a field assistant stamp.

Paws, Claws, and Rein Tensioners!

JHBB G.20 LT

Learn how rein tensioners work and essential first aid tips for pets in this interactive session.

Zooming into Life

JHBB G.20 LT

Grab a microscope and explore the micro-world of cells up close!

Looking Out for Landslides

JHBB G.20 LT

Explore landslide risks with a hands-on demo, building landscapes and witnessing nature's forces.

Weather Wonders

JHBB G.20 LT

Explore weather science with cloud-in-a-bottle, mini tornados, and thermal camera experiments!

Operation Pupation

JHBB G.20 LT

Guide agent Chrys through the maze, using vomit power and avoiding pesticide leaves!

Energy Zone

JHBB G.20 LT

Spin the wheel to learn how food fuels our bodies, just like fuel powers a car!

Shake, Rattle and Roll

JHBB G.20 LT

Explore the power of standing waves and how science, music, and engineering reveal Earth's secrets!

Creepy Critters and Climate Change

JHBB G.20 LT

Learn how ticks, mosquitoes and climate change impact health and research.

Looking at your heart

JHBB G.20 LT

Explore your dynamic heart with 3D models, activities, stethoscopes and heart images!



SEE & EAT Helping children to know and love their vegetables!*JHBB G.20 LT*


Uncover veggie secrets through colouring, counting, and sensory activities!

Who Am I?*JHBB G.20 LT*

The psychology of self and identity and how Brookes researchers study memory.

The Wonderful World of Language*CLC G.07*

Explore language, bilingualism myths and learn an alien language, with a baby-friendly space!



Mind Your Brain



Happy and
Healthy

VR Physiotherapy

Sir Kenneth Wheare Hall Corridor

A VR anatomy demo (13+) explores organs, muscles, and bones, with walking aid challenges.

Balance on wobble board

Sir Kenneth Wheare Hall Corridor

Test balance on a wobble board and explore the benefits of balance training.

Protect your future with hide and vax

Union Hall

Explore vaccines through interactive games, from a velcro vest challenge to a fast-paced immunity race.

Medicine Through Time

Union Hall

Compare Victorian medical tools to modern digital versions and explore technology's impact.

Be Part of Research

Union Hall

Fun research activities for children, with opportunities for parents to join upcoming trials.

The Cells in Your Snot

Union Hall

Explore immunology through games and messy play, like slime-making.

NDORMS presents Surgery Showdown: Chopsticks vs. Spoons!

Union Hall

Try a chopsticks vs. spoon challenge and explore cutting-edge research from Oxford's NDORMS scientists.

The Heart-Brain Connection

Union Hall

Explore how the heart and brain work together to keep us alive with our expert scientists.

Pain Research

Union Hall

Test pain sensitivity, explore brainpower and discover tools from the pain testing lab.

Cells vs Microbes: Games of Life

Union Hall

Explore cell and microbiology with fun card games for ages 4-14yrs, combining learning and gameplay.

S.L.I.M.E.: Sustainable Land-crop Integrated Management for the Environment

Union Hall

Make slime with sustainable forest products and learn about eco-friendly land and crop management.

Nanopore

Union Hall

Explore Nanopore technology and watch a strawberry DNA extraction demonstration.

Robotic surgery

Union Hall

Control a robotic arm in a surgery simulation with guidance from an expert nurse.

The history of technology in diabetes

Union Hall

Explore cutting-edge diabetes management tools and devices from OCDEM.

Medical Myths vs. Facts: Debunking Common Misconceptions

Union Hall

Explore medical myths with a quiz, visuals, and fact sheets to uncover the truth.



Build, test, and explore the future of construction!

See LEGO models, build your own, and enjoy fun activities.

Crack codes, solve mysteries and spell your name in Braille with LEGO!

Build your dream job with LEGO and explore endless possibilities!

Build and code LEGO robots in this hands-on tech challenge!

Build language with LEGO and discover the science of communication.

The Brick Café

Notes

Notes

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This event is supported by
The Directorate of Research, Innovation and Enterprise

For more information about the Science Bazaar:
rienquiries@brookes.ac.uk

 **www.brookes.ac.uk/science-bazaar**

Linked  **www.linkedin.com/company/obu-rie**