for all ages.

with a weekend of free events

Celebrate science and the arts

7–8 JUNE, 12.00–18.00





# **SHARE YOUR EXPERIENCE!** 🖸 💥 🖪 @ExRdFestival

## **ENJOYED YOUR VISIT?**

To improve our events we'd love to hear your opinion of



festivalsurvey

NAL COLLEGE LONDON ROYAL COMMISSION FOR THE EXHIBITION OF 1851 Iver South Kensington Natural History Museum Science Museum V&A | ROYAL ALBERT HALL | THE ROYAL PARKS | GOETHE-INSTITUT | INSTITUT FRANÇAIS ISMAILI CENTRE ROYAL COLLEGE OF ART ROYAL COLLEGE OF MUSIC With thanks to the Royal Commission for the Exhibition of 1851 for their ongoin support to make the Festival possible.

THE ROYAL BOROUGH OF KENSINGTON AND CHELSEA WESTMINSTER CITY COUNCIL Please be aware that the Great Exhibition Road Festival will be photographed and filmed and that by attending this event you consent to this material being user for publicity purposes by any of the partners listed above. If you do not wish to consent please pick up a red sticker from an Info Tent and wear it prominently. Children must be accompanied by an adult at all activities. The Festival can get busy so please keep a close eye on children. The Festival is a no smoking site. Festival partners reserve the right to refuse entry or eject participants. This programme was accurate at the time of going to print. Any changes will be updated on our online programme. Thank you.

**ALL AGES** 

## **ON EXHIBITION ROAD**

- 1 Drop-in Design: The Circulation Department Make wearable art inspired by your senses with the V&A at this family-friendly workshop.
- 2 Future Vision Explore sight and vision loss through games and interactive experiences.
- 3 Living Colour Lab Extract vibrant pigments from algae and discover how scientists are transforming microbes into living colour factories.
- 6 Building Memories Reflect on the importance of buildings with wax rubbings and polaroid photography.
- **7** Paint Lab Creativity and science collide as artists create ten large-scale murals live over the Festival weekend, inspired by the science of the senses.
- 8 Future Foods Join the Science Museum to explore what we will be eating in the future.
- 9 1851der Tent Meet today's innovators, explore quantum and 'Lungy', then celebrate design with a Rube Goldberg machine.
- 11 World of Cell-Craft Make your own cell keyrings and protein jewellery with chemical biologists.
- 12 A Material Feast for the Senses Climb like a gecko or reflect like a beetle as you discover how nature is inspiring new materials.

# THE QUANTUM DISCO

Auditorium, Goethe-Institut Sessions start at 13.00, 14.20, 15.40 and 17.00 (40 mins) Hit the tiniest disco floor in the Universe as we explore the quantum realm's strangest elements – through dance!

### **15 MAIN STAGE Exhibition Road**

Enjoy world-class acts from the Royal Albert Hall, with DJs, cèilidh dancing and more! Hosted by West London's Portobello Radio



# **EUREKA ZONE**

Imperial Main Entrance, Imperial College London From space exploration to robots, discover the latest scientific breakthroughs from collaborations between Imperial and its European partners.

**AurorART** Paint the northern lights with astronomers mapping auroras across the solar system.

## **FUTURE MEDICINE ZONE**

Imperial Business School, Imperial College London Dance with AI and mend broken bones with people transforming the future of healthcare.

Gene Home Discover how moving across the world can impact your health.

# **DESIGN INNOVATION ZONE**

Dyson Building, Imperial College London

Explore interactive exhibits and hands-on activities tackling global challenges, from healthcare robotics to sustainable transport.

# NATURAL WORLD ZONE

### Imperial College Road

Uncover nature's wonders such as glowing plants and urban wildlife, as well as how living things are inspiring new technologies

- 20 Butterfly Wing Workshop Create your own butterfly wings and get ready to take flight by joining one of our Butterfly Carnival Parades.
- **21** Future Food Live Shows start at 12.00, 13.15, 14.30, 15.45 and 17.00 Explore bold new flavours and ingredients as chefs and scientists create innovative dishes for you to sample!
- 22 Diffraction Action! Discover the invisible world of materials through interactive games, crayon rubbings and 3D-printed models.
- 23 Grow and Glow: Plants Unveiled Uncover bioluminescent plants and learn how plants defend themselves
- 24 Music of the Earth Step into a virtual world where sounds tell the story of our changing planet.
- **25 Urban Wildlife Wonders** Join a wildlife treasure hunt and make wildflower seed bombs.

# **GREEN ZONE**

Sir Alexander Fleming Building, Imperial College London Meet low-carbon innovators and tackle climate challenges in this zone exploring solutions for a greener future!

### Earthbeat: Underground Cèilidh

Sessions start at 13.30, 14.45, 16.00 and 17.15 (45 mins) Join a unique communal folk dance celebrating the valuable living worlds beneath our feet.

# **2 BANDSTAND**

### Dangoor Plaza, Imperial College London

Listen to feel-good live performances from up-and-coming acts, including tango, Celtic folk, mariachi, gospel choir, and Cuban beats.

# **TECH ZONE**

- Queen's Tower Rooms, Sherfield Building, Imperial College Londo Have fun in our robot playground, preview the future of AI and immerse yourself in the new quantum
- technology revolution. 28 Cell Painting Workshop Compete with robots to see who can create beautiful cell painting artwork
- the fastest! **Resonating Possibilities** Step inside an immersive

and interactive digital art piece that explores quantum clocks and new ways to sense the world around us.

# **BE A SCIENTIST ZONE**

Flowers Building, Imperial College London From saving seagrass to developing new VR tech, take part in important research happening right now!

Healthy Movement Through Tech Discover how technology helps people move again after injury.

**Discovering Seagrass** Learn about seagrass conservation, go underwater using VR, then make nutrient balls to feed the UK's seagrass meadows.

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# Saturday

15.00-15.55 Art of Quantum 16.30–17.15 Edible London Sunday 13.30–14.15 Art on the Psychiatric Ward 15.00–15.55 Dancing Nature: Science Storytelling **Through Ballet** 16.30–17.15 Gardening for the Future

# **ADULTS**



# ADULTS ONLY ZONE (AGES 18+)

### Beit Quadrangle, Imperial College London

Grab a drink, relax with some insect-inspired yoga, get creative in a textile workshop, or delve into the secrets to lifelong health and happiness.

### **Insect Yoga**

Sessions start at 12.20, 13.20 and 14.20 (30 mins) A relaxing yoga workshop inspired by insect movements.

**Bollywood Beats and Brainwaves** Sessions start at 15.20, 16.20 and 17.20 (40 mins) Move, groove, and discover the science behind dance.

Beads and Biomes Join a hands-on sewing workshop

exploring the vaginal microbiome! Open Sesame Redux Take part in an experimental treasure hunt with storytelling and puzzle-solving.

# **29 SCIENCE CABARET**

Take in a show as we stage a variety of unique, creative explorations of science.

Saturday and Sunday

**13.00–13.30** Kuchipudi Dance for Beginners 14.00–14.30 The Tai Chi Balance Challenge 15.10–15.45 Math-tastic Bingo

Saturday only 16.10-16.50 and 17.10-17.50 Science Comedy

Sunday only 16.10-16.50

Taste the Rainbow: Science and Sip 17.20–17.50 Mushroom Ballet

# **5** ART OF SCIENCE TALKS

The Lydia and Manfred Gorvy Lecture Theatre, V&A Enjoy inspiring talks on people, projects and ideas that fuse science with the arts.

13.30–14.25 Design and Disability

**29 SPOTLIGHT TALKS** 

G16 Lecture Theatre, Sir Alexander Fleming Building, Imperial College London

Hear from experts on the latest hot topics in science and technology

- Saturday
- 14.00-14.45 How to Live Forever

15.30-16.25 Weirdest Object in the Universe 17.00–17.55 Why Are We Building Humanoid Robots?

14.00–14.55 Rocket Science and the New Space Race 15.30–16.15 Queer Natural History 17.00–17.45 The Man Who Mended Thousands of Hearts

This is only a small selection of what the festival has to offer. See the full events programme here: www.exrdfestival.com



# FAMILIES



# **FAMILY FUN ZONE**

## Prince's Gardens, Imperial College London

Discover and enjoy activities, games and experiments created especially for families.

- **30 Eco Pawprints** Find out how to reduce your pet's environmental pawprint.
- **31** Hidden Colours: The Magic of Materials Create your own kaleidoscope and see how light interacts with materials to reveal dazzling patterns.
- 32 Discovery Tent Unleash your creativity by handcrafting beautiful brain cells, making and testing the strength of your own composite material, designing a butterfly feeder, and building gliders inspired by nature!
- 33 Molecule Detectives Get hands-on with colour and add your unique design to a giant chromatography wall.
- The Story, Song, Wriggle and Rhyme Tent Join our fun-packed, story-filled tent for children aged under 5 and their families.
- **36 Discover the Royal Parks** Explore some of the parks' hard-working wildlife.



# **35 FAMILY STAGE**

- 12.30–13.00 Classical Cappella with the Fourth Choir **13.15–13.45** It Takes Guts with the Science Museum **14.00–14.30** Help Nature Thrive in the Royal Parks 14.45–15.15 Singalong in German with Lizi and Lorna **16.15–16.45** It Takes Guts with the Science Museum **17.00–17.30** Singalong in German with Lizi and Lorna Sunday 12.00–12.30 Bubble Superstars
- **12.45–13.15** Flotsam & Jetsam's Voyage to the Trash Vortex

- 17.15–17.45 Baby Broadway

# **1** THE SUPER-COOL CHEMISTRY SHOW

### LT200 Lecture Theatre, City and Guilds Building, Imperial College London

Shows start at 13.00, 14.20, 15.40 and 17.00 (40 mins) Enjoy seeing chemistry brought to life through slime, explosions and amazing reactions at this family-friendly science show!



# WELCOME

Enjoy an incredible weekend of fascinating talks, hands-on workshops, lively shows and more at the Great Exhibition Road Festival!

Check out a small selection of events for different age groups here or find more on our website

Make sure that you explore our themed zones, each one packed full of creative workshops, interactive exhibits and live demonstrations.

All events featured here will have drop-in spaces available, even those with advance tickets.

Visit the website for the full events programme: www.exrdfestival.com



# YOUNG ADULTS



# **NEXTGEN ZONE (AGES 13–25)**

## The Smith Centre, Science Museum

Get hands-on with cutting-edge technology, create your own art, and meet other young people in a zone created by, and for, people aged 13–25.

**Step Inside Quantum** The Young Producers invite you to explore the quantum world through this immersive installation that will challenge your perception of reality.

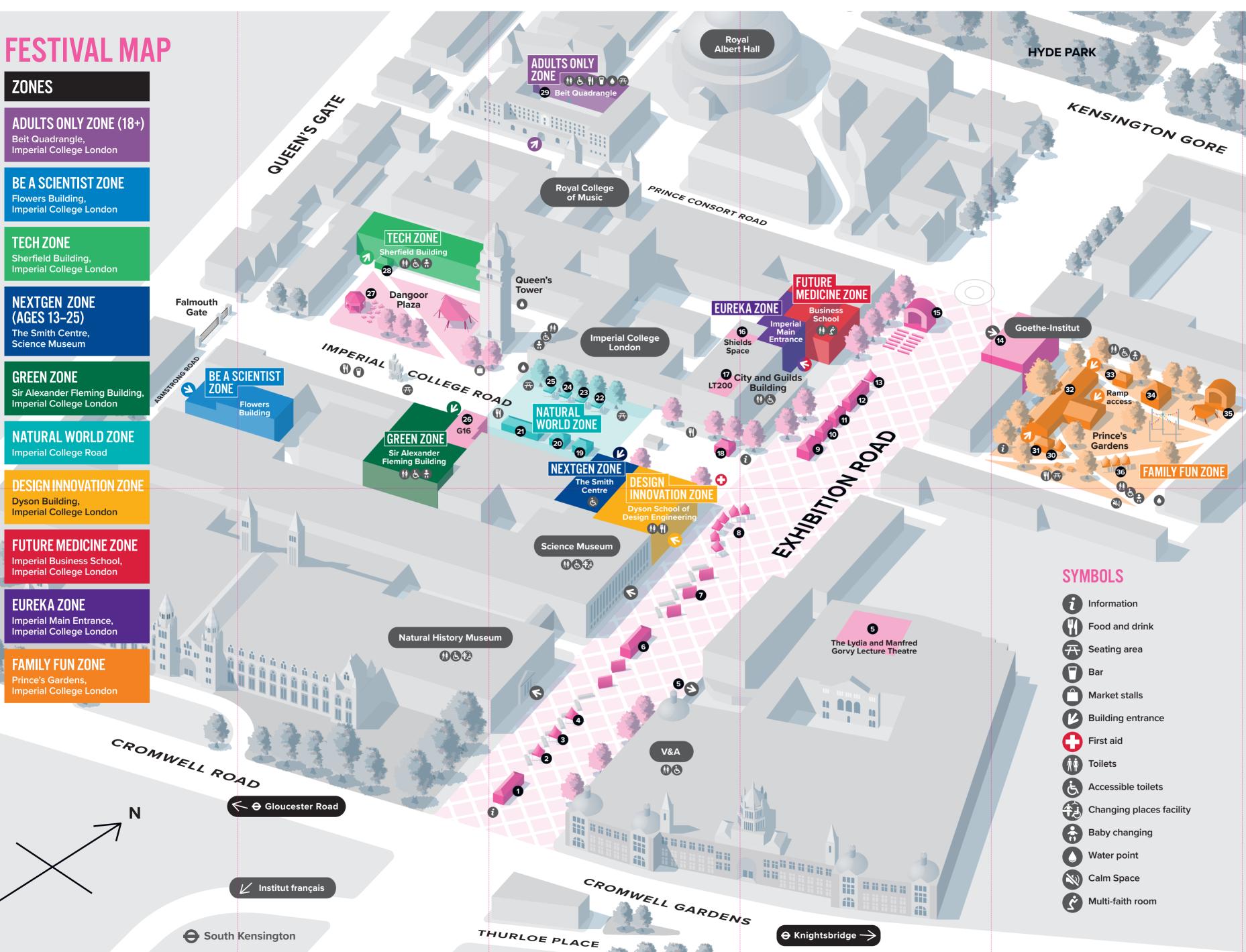
Photo Collage and Photomontage Uncover how these art techniques can express identity, ideas and stories.

Popcorn Factory: Science at Scale Discover chemical engineering with our nonstop popcorn machine!

# **19** GRANTHAM CLIMATE ART PRIZE

Natural World Zone, Imperial College Road Create artwork with artists and climate scientists.

- 15.30-16.00 Sense-o-Matic
- 13.30–14.00 It Takes Guts with the Science Museum
- **14.15–14.45** Help Nature Thrive in the Royal Parks
- **15.00–15.30** Bubble Superstars
- **15.45–16.15** Flotsam & Jetsam's Voyage to the Trash Vortex **16.30–17.00** It Takes Guts with the Science Museum



# **KEY TO NUMBERED ACTIVITIES**

## **ON AND NEAR EXHIBITION ROAD 1** Drop-in Design: The Circulation Department 2 Future Vision

- **3** Living Colour Lab
- **4** Discover South Kensington Tours
- 5 Art of Science Talks
- 6 Building Memories
- 7 Paint Lab
- 8 Future Foods
- 9 1851der Tent
- **10** Great Exhibition<sup>2</sup>
- **11** World of Cell-Craft
- **12** A Material Feast for the Senses
- **13** Great Exhibition Road Festival Tours
- **14** The Quantum Disco
- 15 Main Stage
- **16** Rocky Worlds: Beauty in Planetary Science
- **17** The Super-Cool Chemistry Show
- **18** Maths Exploratorium

# NATURAL WORLD ZONE

- **19** Grantham Climate Art Prize
- **20** Butterfly Wing Workshop
- **21** Future Food Live
- **22** Diffraction Action!
- **23** Grow and Glow: Plants Unveiled
- **24** Music of the Earth
- **25** Urban Wildlife Wonders

# ON AND NEAR DANGOOR PLAZA

- **26** Spotlight Talks
- 27 Bandstand

# TECH ZONE

28 Cell Painting Workshop

# ADULTS ONLY ZONE

**29** Science Cabaret

## FAMILY FUN ZONE

- **30 Eco Pawprints**
- **31** Hidden Colours: The Magic of Materials
- **32 Discovery Tent**
- **33** Molecule Detectives
- **34** The Story, Song, Wriggle and Rhyme Tent
- **35 Family Stage**
- **36 Discover the Royal Parks**

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