

Oct Half-term - Amazing Molecules

We are super excited to let you know our holiday family science activities are re-starting this October half-term for local children aged 5–11 and their families. We'll be running a range of hands-on science experiments and making activities where we'll be discovering dyes, exploring atoms, making bath bombs and hosting our brand new Amazing Molecular Science Show.

The sessions below will take place in The Invention Rooms. There are fewer places than normal as we'll be running the activities socially distanced to ensure everyone is safe.

- **Discovering Dyes**

Explore the science of colour at The Invention Rooms this half-term with Richard Kong and Tom Clough. Most of the colour we see around us is caused by molecules absorbing light. This means if we want new colours we have to ask a chemist! Join our amazing researchers and discover how scientists can use chemistry to make new dyes to colour everything from paint to clothes. You'll also be able to explore your own chemical dyes by making your own t-shirt which you can take home.

When: Tuesday 27 October 10.30 and 13.00

Where: The Invention Rooms

Age group: 6 – 11

Register: via Eventbrite [here](#)

- **Brilliant Bath Bombs**

Join our fantastic scientists Emily Xu and Helena Dodd as we design and explore the chemistry of bath bombs. In this activity, we'll learn about acid and alkaline reactions before making your very own fizzing bath bombs. We'll explore the science of scent and colour as you measure ingredients to make your bath bomb not only react perfectly, but look and smell amazing.

When: Wednesday 28 October 10.30 and 13.00

Where: The Invention Rooms

Age group: 5 – 11

Register: via Eventbrite [here](#)

- **Amazing Molecular Science Show**

Be the first in the world to see our Amazing Molecular Science Show and join presenter Dan to explore the amazing world of molecules. Dan will be joined by scientists from our [Molecular Research Hub](#) in White City as we discover more about the tiny world of atoms and how they have a huge impact on our lives! We'll learn about polymers, catalysts and see explosive reactions and more in this exciting show.

This event is a special sneak preview available just for our White City families. Afterwards those who attend can share their feedback and shape the show before it goes global!

When: Wednesday 28 and Thursday 29 October 17.00

Where: The Invention Rooms

Age group: 5 – 11

Register: via Eventbrite [here](#)

- **Atoms and Art**

Join [artist Geraldine Cox](#) in this introduction to the tiny particles that make up the world. You will be Zoomed in live to a laboratory where physicists are working with small numbers of atoms at temperatures colder than outer space, learn about the origins, size and make-up of atoms, and then make print artworks to share what you have learnt. Your creations will be assembled into a poster-book which will be sent to you after the event!

When: Thursday 29 October 10.30 and 13.00

Where: The Invention Rooms

Age group: 5 – 11

Register: via Eventbrite [here](#)

Please note, we are keeping a close eye on COVID-19 guidance. If changes in circumstance mean that our face to face workshops cannot run, we will move the sessions online. If you have any questions about the above sessions, please contact Sam on s.allen-turner@imperial.ac.uk

Superhero Children's Creative Challenge

Do you know an 8-12 year old who has recently been to the hospital? Do you think they'd like to share their experience through drawing or writing? If so, please consider helping them enter Imperial's Superhero Children's Creative Challenge!

The research team at the [Centre for Health Policy](#) Imperial, have launched an online writing and drawing activity which gives children the opportunity to communicate their hospital experience through superhero 'missions'. A panel made up of researchers and children will pick 10 designs to be digitalised by an award-winning children illustrator, while the top three superheros will be brought to life as a custom-made soft toy!

When: 7 October – 25 December.

Deadline: Sunday 25 October, 23:59

Apply: to find out more or to submit any application, click [here](#)

Do you need help applying or have any questions? Please contact Lisa on: l.aufegger@imperial.ac.uk.

Deep Tech Network Showcase Event

Imperial College London and [Upstream](#) invite you to join them for a series of online talks and Q&As with the leading minds of the deep tech community. The Deep Tech Network series represents an exciting opportunity to discover a community full of innovative start-ups, academics, entrepreneurs and businesses using science, engineering and technology to tackle global challenges. Hear from incredible panellists including [Aeropowder](#), [Scale Space](#), [Multus Media](#) and more to be announced!

When: Thursday 15th October at 16.00

Where: Online

Register: via Eventbrite [here](#)

Best wishes,

Priya Pallan, Community Engagement Manager (White City)Office of the Associate Provost
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