IMPERIAL AND WHITE CITY

Our newsletter for the local community
Issue 4, 2018

Would you like this in another language?

Jes´li chcesz otrzymywac´ ten biuletyn w je¸z. polskim, skontaktuj sie¸ z nami pod adresem:
whitecity.community@imperial.ac.uk

Haddii aad jeclaan laheyd nooca warqada aqbaartaan af Soomaali fadlan naga soo wac:
whitecity.community@imperial.ac.uk

إذا كنت تريد الحصول على نسخة من الرسائل الإخبارية باللغة العربية يُرجى الاتصال بـ :
whitecity.community@imperial.ac.uk

Pour recevoir une version de ce bulletin d'information en français, veuillez nous contacter sur:
whitecity.community@imperial.ac.uk

Se desejar receber uma versão desta newsletter em português, por favor contacte-nos:
whitecity.community@imperial.ac.uk

Si necesita una versión en español de este boletín informativo, póngase en contacto con nosotros en:
whitecity.community@imperial.ac.uk

Get in touch

We would welcome your ideas and suggestions about this newsletter or anything Imperial College London is doing in White City. You can contact Priya or Tom from our dedicated Community Engagement Team who would be pleased to answer any queries or arrange a meeting.

whitecity.community@imperial.ac.uk

020 7594 1103

www.imperial.ac.uk/white-city-campus/community

Tom Pearson and Priya Pallan

Imperial College London

In this issue:

// **Get making at The Invention Rooms**

// **Become a digital wizard at Imperial CodeLab**

// **Apply to join our women's leadership programme**

// **Competition: Win a meal for two at Al Forno**

Hello!

Welcome to the fourth issue of Imperial College London's community newsletter for local residents, businesses and organisations in and around White City.

Dear friends,

I hope you are well and looking forward to a summer of science and fun!

When we founded our campus in White City, we did so with a commitment to listening to our local community and understanding how we can best serve your needs.

Over the past few months, we've seen some incredible examples of community collaboration. Our newly opened space at The Invention Rooms has come to life, with local young people creating the most amazing prototypes, from fashion to home accessories. Recently we saw a Smart Baby Buggy developed in partnership with local resident Ramona Williams.

Importantly, we're also playing our part in empowering local women. In May, we launched a unique women's leadership programme with our partners in the area. Agents for Change is designed to enable local women become catalysts for change, with benefits not only to themselves but to everyone around them. Applications are open until the start of June.

I'm greatly looking forward to meeting even more of you at some our events taking place over the summer, including at the Hammersmith and Fulham Arts Festival, where we will be holding a pop-up family event exploring what happens when science and art collide.

Thank you for your ongoing interest and support!

Professor Maggie Dallman
Vice-President (International) and
Associate Provost (Academic Partnerships)

Morning sickness

Imperial researchers studying extreme morning sickness found women who attended hospital for daily rehydration, but who stayed at home between treatments, did just as well as those admitted to a ward.

Mushroom reboot

Brain scans show that the psychoactive compound in magic mushrooms may help reset the brains of patients with depression.
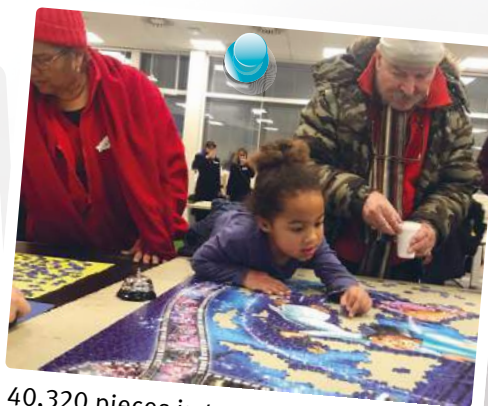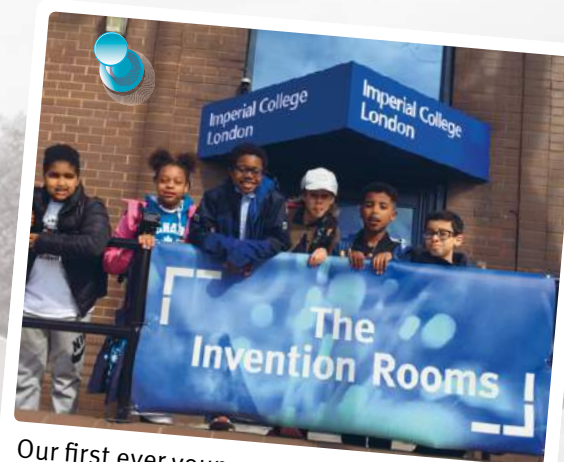
Joris Laarman Lab

Printing bridges

Imperial researchers have helped test a 3D printed footbridge, due to be installed across a canal in Amsterdam in 2018. The 12 metre long steel bridge will be the world's largest 3D printed metal structure.

Local residents solving the world's largest jigsaw

40,320 pieces in total!

Our first ever young people's campus tour

What we've been up to in the community

It's been an action packed few months! Local puzzle solvers have been working tirelessly to tackle the world's largest commercially produced jigsaw puzzle. In March we hosted our first ever young people's tour of the campus. And back in the autumn we celebrated the opening The Invention Rooms with a day of making, food and fun. Visit our website for the latest news and activities.

Hand painting

Testing robots at
The Invention Rooms Open Day

Making a scribblebot

Events and activities

Get involved

Puzzle mornings

Join us for tea and coffee in The Invention Rooms and help us complete the world's largest commercial jigsaw puzzle.

When: Wednesday 30 May
and Wednesday 6 June, 10.30–13.00
Where: The Invention Rooms

Imperial CodeLab

Free 5-week course for 10–14 years olds to learn coding. Learn how to make games, apps, and animations from scratch.

When: from Wednesday 6 June
Where: The Invention Rooms

HF ArtsFest: Imperial Sci-Arts Mash Up

Join us for a hands on family fun pop-up exploring what happens when science and art collides.

When: Saturday 9 June, 12.00–15.00
Where: The Invention Rooms

To sign up for any of these activities, visit our website or get in touch:

www.imperial.ac.uk/
white-city-campus/community
E: whitecity.community@imperial.ac.uk
T: 020 7594 1103

AGENTS FOR **CHANGE**

Apply for White City's new women's leadership programme. It's free and open to all women living and working in the local area.

We are looking for motivated and passionate women to take part in Agents for Change, our new women's leadership programme. Over six free half-day sessions, you will hear from and work with inspirational women like you, and develop skills that will help you take the lead in strengthening your community.

When: Applications close on 8 June. Programme begins in July.

Where: Locations across the borough

A partnership between:

Imperial College London

HAMMERSMITH UNITED CHARITIES

Supported by:

h&f hammersmith & fulham

lyric

Competition: win a meal for two at Al Forno

Question: Can you name the building

?

Send your answer to:
whitecity.community@imperial.ac.uk by Friday 29 June 2018.

Correct answers will be entered into a prize draw to win a meal for two at Al Forno (up to £50), a local Italian restaurant on Shepherd's Bush Green.

Well done to our last winner, Rachel Khan, who spotted that the building in the photo was of the Dimco Buildings on Ariel Way.

Making in White City

Have you got an idea you would like to invent? It could be anything – large or small – waterproof jeans, a smart shopping trolley, or even a game for your phone...

In October 2017 we opened The Invention Rooms, a ground-breaking community space where you can turn your creative ideas into reality. Here you can join us for a range of hands-on events, activities and programmes to explore the fun of making and discovery.

Check out some of the incredible projects that have happened in our first 6 months...

Our makers learn skills such as woodworking...

.... and get to grips with new technologies like 3D printing

IDEAS BECOME REALITY: THE MAKER CHALLENGE

The maker challenge programme is an opportunity for local young people aged 11–18 to learn tech skills and turn their creative ideas into real working prototypes. Each programme lasts 12 weeks, and takes place over evenings and weekends. Participants get a crash course in a range of different technologies, such as 3D printing and woodwork, then get started on their own project ideas.

We run the maker challenge every term and we hold a special course over the summer. If you would to like to take part, or know a family member or friend who would be interested, then take a look at our website or get in touch with our team using the contact details below.

When: Evenings and weekends
Cost: Free
Find out more:
bit.ly/reach-out-makerspace
Contact us: makerspace@imperial.ac.uk

⬇ Star Makers

Lumi Lamp

Name: Madeena Hadafmand
Age: 15

Project: The idea behind my invention, the Lumi Lamp was based on my lack of sleep and my curiosity to invent something that could bring me closer to having a full good nights sleep. The lamp is designed to monitor your breathing and movement during the night and turn off your night lamp automatically, once it has detected that you have fallen asleep.
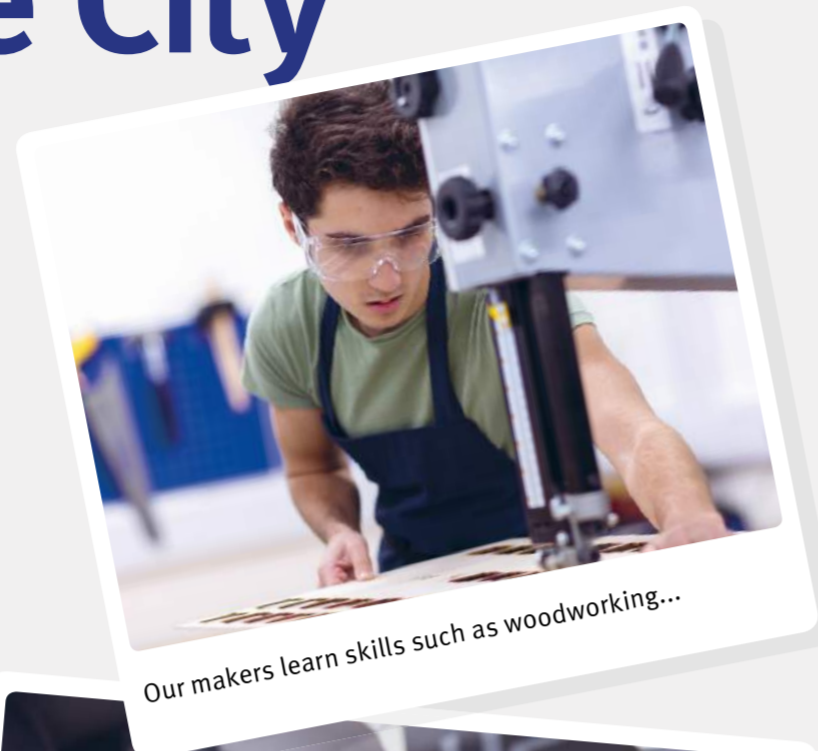
Next steps: I plan on studying and enter the field of engineering in university but in the meantime I'm also looking for more opportunities where I can continue to make inventions.

Sneaker Speaker

Name: Cindy Xhebro
Age: 15

Project: My idea was to develop trainers with built-in speakers connected to a device (e.g. smartphone) via Bluetooth, powered by a lightweight Li-Po battery. The inspiration came from a combination of my personal interests; basketball, music, and trainers - putting music and trainers together to make a basketball game more lively!

Next steps: To develop the shoes into being more effectively powered. I would like to experiment and find a way for it to be powered using kinetic energy by the shoes charging as the consumer takes steps.

INNOVATING TOGETHER: A SMART BUGGY IS BORN

Our initial programmes at The Invention Rooms have focused mainly on young people, but in the future we're looking to include more people of all ages – such as local resident Ramona Williams, who came to us with an idea for a baby's pushchair for people who are visually impaired. Here's Ramona's story of how the Smart Baby Buggy was born:

Ramona shows her smart buggy at Imperial Festival

"I was born with a rare eye condition that impairs my eyesight.

When I have tried to push my nephews and nieces in a buggy with a cane, I realised how inaccessible it was to use both at the same time.

In 2017, I went to an event at Imperial. I got chatting to the community engagement team and explained my ideas. Within a few months my idea had been chosen for a design engineering student project.

Very soon the "Smart Baby Buggy" was born. It can sense its surroundings using LIDAR technology to effectively see features on the ground like braille bumps, corners, and kerb drops.

I never thought I would be an inventor of anything that would get actually made, but now I'll be thinking about my next ideas that could help people. I'd encourage anyone reading this to do the same, it all starts from an idea."

BECOME A DIGITAL WIZARD AT IMPERIAL CODELAB

Would you like to learn how to make computer games, apps and animations from scratch? We've been running 5-week course for 10–14 years olds to learn coding. With guidance from Imperial students, participants get to code their very own projects, leaving them with the skills and confidence they will need for a future increasingly driven by technology.

When: Wednesday evenings
Cost: Free
Find out more: www.imperialcodelab.com
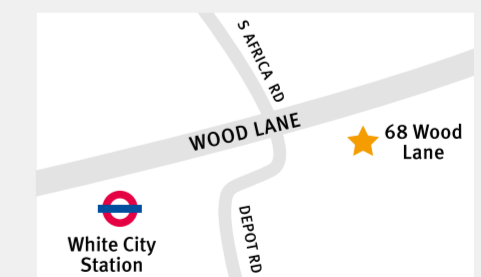**Contact us:** info@turinglab.co.uk

Learning coding in The Invention Rooms

"We learnt about different coding skills, and how to think creatively to animate shapes and objects - I was able to make a fish swim which was cool! CodeLab has definitely sparked my interest to do more coding."
Jonathan Kes Otubu Yr5

Interested in finding out more?

Join us for Campus Tours on the last Friday of every month for a behind the scenes look inside The Invention Rooms and an overview of our campus. Book your place on our website.

www.imperial.ac.uk/theinventionrooms