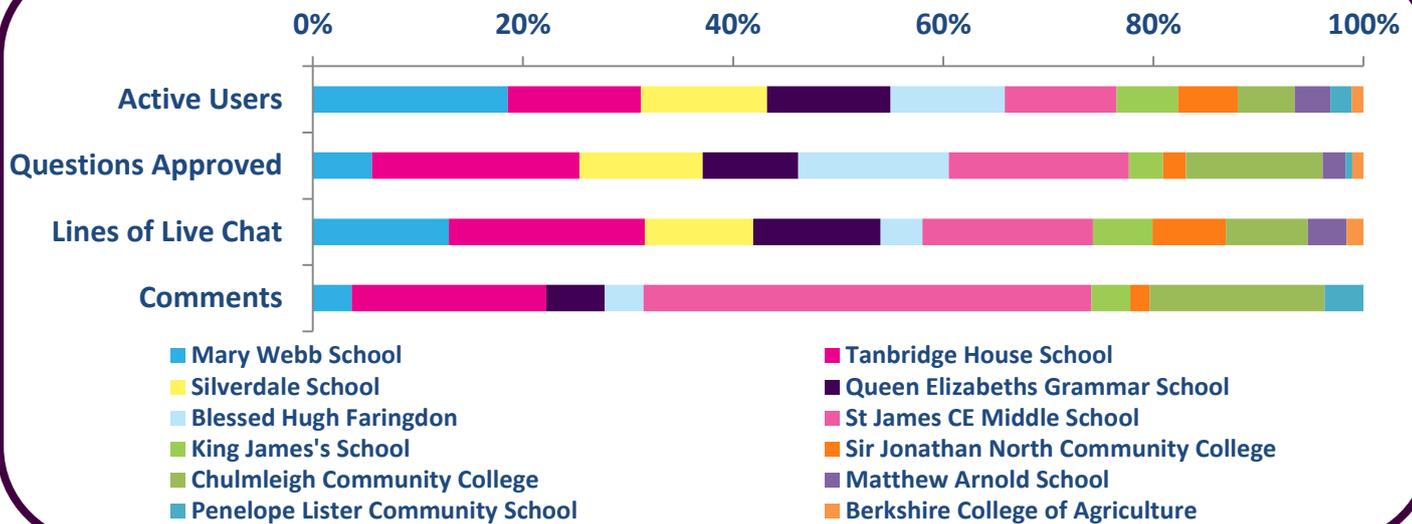




June 2015

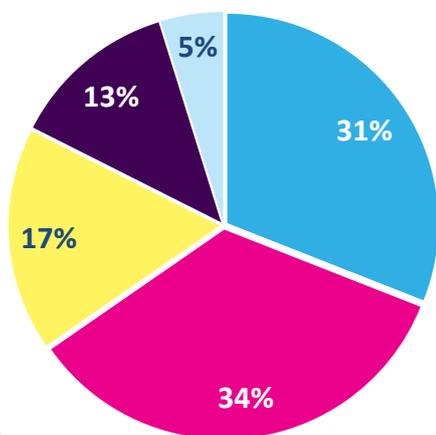
The Lutetium Zone was a general science zone comprising of five scientists working in a variety of fields from big data about theatre audiences to hydrogen production, to respiratory disease. This zone was one of the largest in June involving 446 active students who had nearly 500 questions answered on a very diverse range of topics, both related and unrelated to the scientists' work. The scientists did well to match the enthusiasm of the students with the final two, Jonny and Paul, both answering over 250 questions each. The scientists also did well to connect with individual students in the fast-paced live chats, even when facing a high volume of questions.

School data at a glance

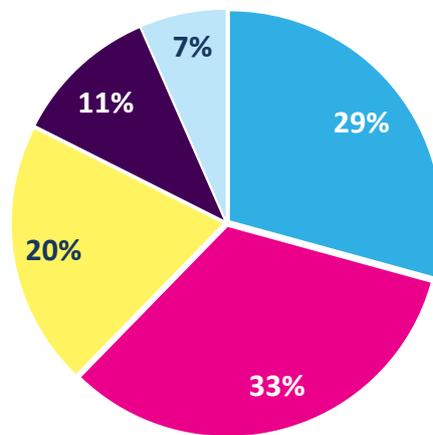


Scientist activity

Answers



Lines of Live chat

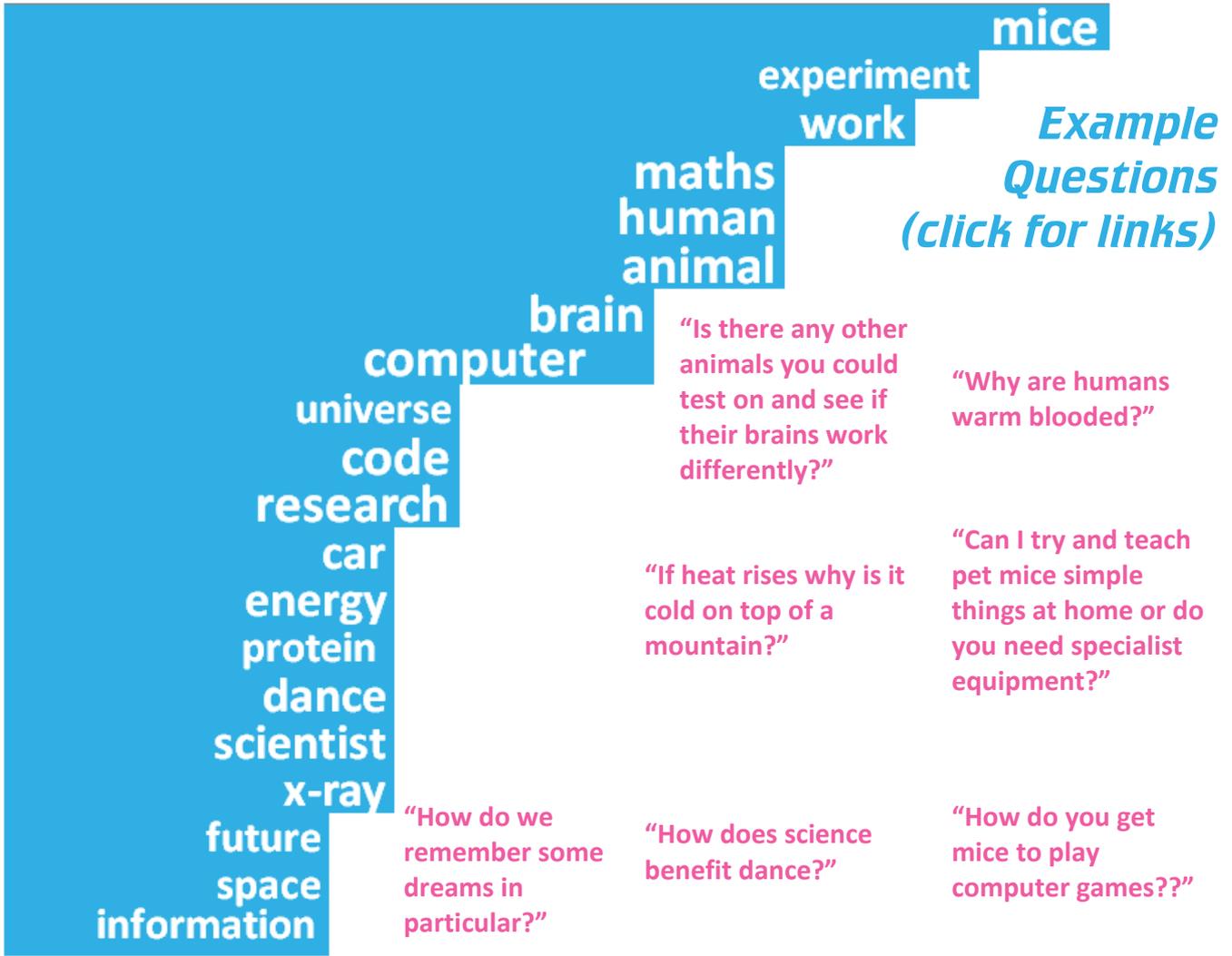


Scientist	Profile views	Position
Jonny Brooks-Bartlett	1,391	Winner
Paul Brack	1,306	2nd
Martha Nari Havenith	799	3rd
Alison Whitaker	661	4th
Hannah Greenwood	574	5th

Ask ?

Keywords of questions asked in the zone, length of bar represents frequency of use

0 2 4 6 8 10 12 14 16



Example Questions (click for links)

“If we bring back extinct animals (de-extinction) would it bring back old diseases which we can’t beat?”

“Do you think that it'll be a good idea to get children to involve themselves with science at really young ages?”

“How is time measured, and how do you know?”

“Can the world hold more than 8 billion people?”

“If fire isn't a solid liquid or a gas then what is it?”

“What will stem cells be able to cure in the next few years?”

“Why does hair turn grey when you get older?”

“Why are insects like Mosquitoes more attracted to some people and bite them more?”

Examples of good engagement

There were some nice examples of the scientists sharing insights into how their lives had been influenced by chance meetings and lucky timing. This showed the students that it was okay not to have everything planned out in their own lives:

“Where did u get the idea of researching how people used to make hydrogen in the past?” - Student
“Wikipedia! I was just reading about Zeppelins I think when I noticed the stuff about ferrosilicon, and realised that no one else was really playing with it” – Paul, scientist
“Is the wikki a lie?” – Student
“Wikipedia is not 100% reliable no, but it can often be a good starting point before you check some more reliable sources” – Paul, scientist

“Why did you want to become a scientist?” – Student
“I didn't know I wanted to become a scientist to be honest. I knew I liked doing maths and that I wanted to continue. Then I met a lady who fired X-rays at proteins and she said that there was maths that I could do to help her. Now she's my supervisor (you can Google her - Elspeth Garman) and now I work with protein crystals and X-rays ☺” – Jonny, scientist

Scientist winner: Jonny Brooks-Bartlett

Jonny's plans for the prize money: *“I would like to use the money to buy equipment such as a microscope and laser pens with diffraction gratings so that we can demonstrate crystallography at public engagement events. We can usually get hold of the chemicals required to grow the crystals, but with the microscope we can connect it to a screen to show people what crystals look like as they grow. The diffraction pens can be used to show people why we get patterns whenever we shine X-rays at a crystal.”* Read Jonny's [thank you message](#).



Student winner: Niamh

For great engagement during the event, this student will receive a gift voucher and a certificate.

Feedback

We're still collecting feedback from teachers, students and scientists but here are a few of the comments made during the event...

“I have so many things to think about, as I like the idea of your jobs” – Em, student

“This has been the best 20 minutes of my life” - Stuttering_Elderly_Man, student



Paul Brack
@paulbrack25

And that was intense!!! So many great questions, so little time - love #IASUK live chats @Jonny_CBB @imascientist what is in a glow stick!?