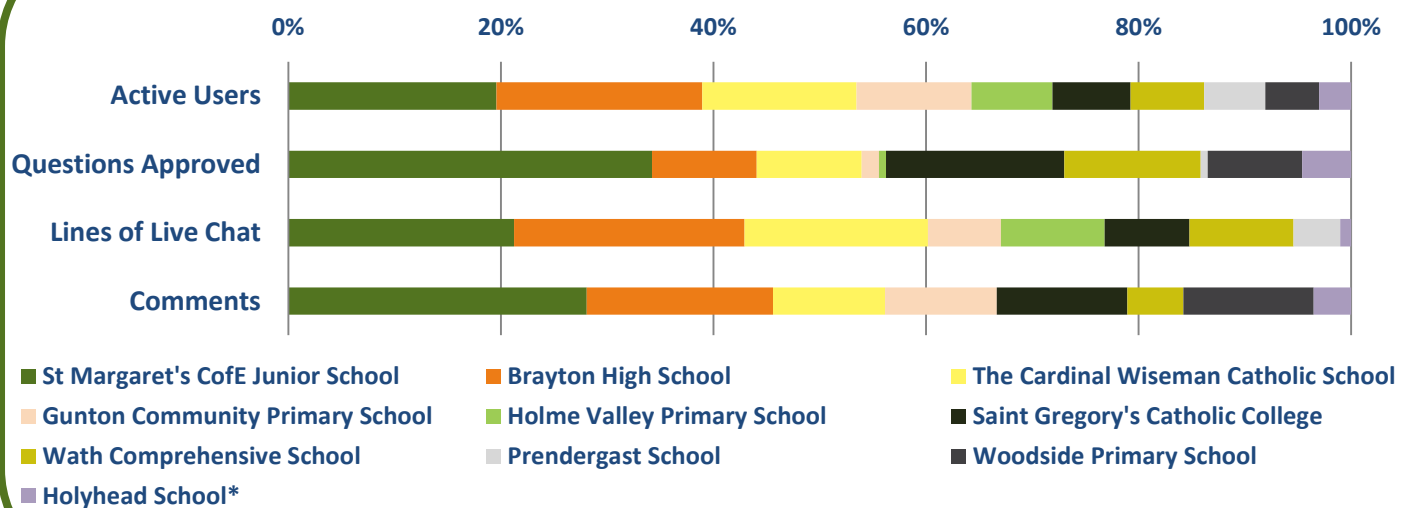


June 2016

This was a themed zone funded by the Wellcome Trust, with five engineers working in a variety of areas relating to Health. Simon works to support the manufacturing of a flu vaccine, Rebecca is a PhD student who provides doctors with smartphones and tablets to help them monitor patients, Laura develops sports clothing and equipment to improve athletes' performance, Krish is researching how to freeze cells, tissues and organs in order to keep them longer and transplant them successfully and Julia is a PhD student working on developing a pill to take videos inside the human gut to uncover diseases such as cancer. This zone had the highest number of students logged in out of all the zones in June's event, which resulted in the highest number of questions approved.

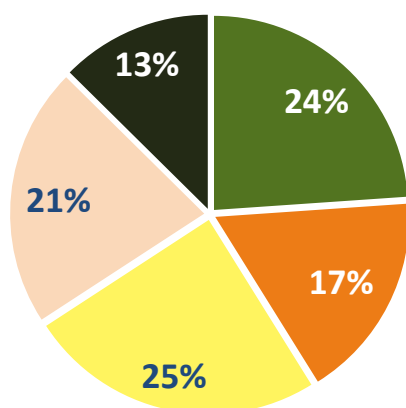
School data at a glance



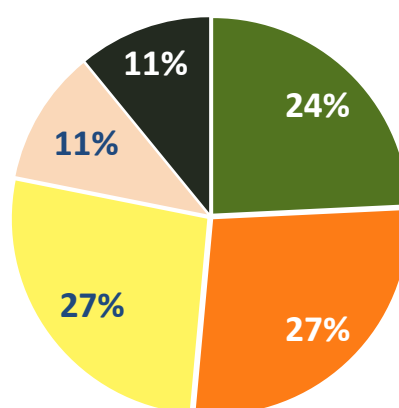
* Widening participation schools, as defined at <http://about.imascientist.org.uk/2016/widening-participation-2016>

Engineer activity

Answers



Lines of live chat

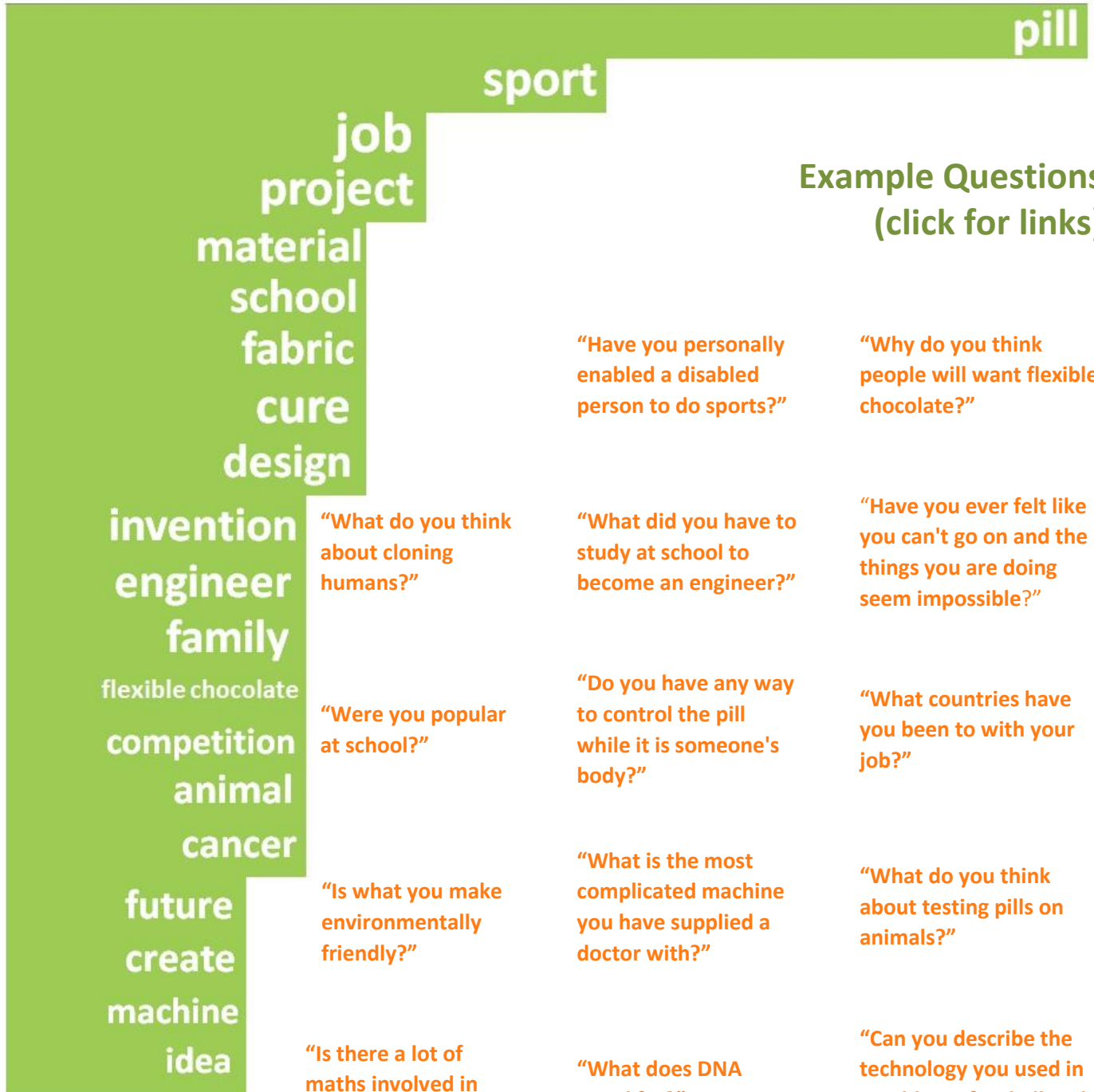


Engineer	Profile views	Position
Laura O'Shea	930	Winner
Krish Mahubani	962	2nd
Rebecca Rullon	849	3rd
Simon Willocks	993	4th
Julia Faerber	822	5th



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

0 2 4 6 8 10 12 14 16 18



Example Questions (click for links)

“Have you personally enabled a disabled person to do sports?”

“Why do you think people will want flexible chocolate?”

“What do you think about cloning humans?”

“What did you have to study at school to become an engineer?”

“Have you ever felt like you can't go on and the things you are doing seem impossible?”

“Were you popular at school?”

“Do you have any way to control the pill while it is someone's body?”

“What countries have you been to with your job?”

“Is what you make environmentally friendly?”

“What is the most complicated machine you have supplied a doctor with?”

“What do you think about testing pills on animals?”

“Is there a lot of maths involved in your work?”

“What does DNA stand for?”

“Can you describe the technology you used in World Cup football and in rugby jerseys?”

“Does the pill have a source of light to beat the dark inside the body?”

“Who is the most famous person you have helped make sports equipment for?”

“Why did you enter this competition?”

“What effect do you think your invention will have on this generation?”

Examples of good engagement

Sport was a popular topic because of Laura's work with sports clothing, and students were able to relate through conversations about their favourite sports and technology associated with them.

"What sports have you worked with?" – Student

"I've worked across quite a few sports over the years, I'll try and list as many as I can remember! Running, Football, Rugby, Cycling, Skateboarding, Surfing, Snowboarding, Mountain Biking, Canoeing, Rowing, Boxing, Wrestling... and maybe a few more! Do you have a favourite sport?" – Laura, engineer

"Taekwondo" – Student

"Awesome. Did you know there's lots of little pressure sensors inside the red and blue torso protectors that they wear to help the judges know if there's been scoring hit?" – Laura, engineer

"No but that's AMAZING!!!! The technology is really improving." – Student

Most of the live chats had a friendly and relaxed atmosphere, with students and engineers bonding over hobbies and common interests.

"Engineers what's your favourite football team? Mine is Newcastle united" – Student

"Mine is Borussia Dortmund, team from Germany!!! Do you know it?" – Julia, engineer

"Yes I do! I'd like to see Newcastle vs Dortmund!" – Student

"That would be great!!! I have been to the Newcastle stadium 6 years ago. They played against Chelsea!" – Julia, engineer

"Yes I've been there too! Went for a stadium tour and watched the Sunderland game! Ayoze just got signed there and shredded Sunderland's defence!" – Student

Engineer winner: Laura O'Shea

Laura's plans for the prize money: *"I want to produce a workshop that can go around schools so that young people can get to grips with the engineering that goes in to making your favourite sports team's kit!"* Read Laura's [thank you message](#).



Student winner: ahumangirl

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 engineers but here are a few of the comments made during the event...

"It was great to hear all sorts of different questions, and be real with the students. In some ways being online allows you to do that in ways that you can't face to face." – Engineer

"I have learnt a lot about engineers in the past few days and am now thinking what I want to be when I am older." – Student