Online is best
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About I’m a Scientist

- Student-led, online, STEM enrichment.
- Since 2003
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I’m a Scientist, Get me out of here!

I’m a Scientist, Get me out of here is a free online event where school students get to meet and interact with scientists. It’s a competition between scientists, where the students are the judges. Take a look at some of the questions that have been asked by students.

Students challenge the scientists over intense, fast-paced online live chats. They then ask the scientists all the questions they want to, and vote for their favourite scientist to win 50,000 KSh to spend on their own project in schools.

Teachers apply here and Scientists apply here

![Image of students in a classroom]
Question: I would like to be a paediatrician. Which sciences am I supposed to take? What advantages and disadvantages are associated with this career?

Keywords: career

Asking by 97781926 to Peter, Jonathan, Grace, Doris, David, Ann on 30 May 2019

Grace Kago answered on 30 May 2019:

- I will leave my colleagues who are in the medical profession to answer the question re: medical courses to take.
- With regard to advantages and disadvantages: at the end of the day, the career that you pick ought to be one that takes advantage of skill-sets that you already have, a passion that you possess, and a way to help society. Some advantages I can imagine are that it is deeply rewarding and fulfilling. Some disadvantages are that it is very rigorous and might require deep sacrifices on your part in order to achieve it! However, as they (not 100% sure who this attributed to) say, “everything worth having is hard work, and nothing worth having is easy.”

Ann Kinyua answered on 31 May 2019:

Biology and Chemistry are critical in helping you understand how the body functions and how medications work. Physics is usually a good add on. It helps you understand laws that govern the chemical components of our bodies and drugs. Social sciences are important too, to help you understand and predict human behaviour. In paediatrics, you will deal with adolescents, these require a lot of social and psychological support. Advantages and disadvantages... wow, that's quite subjective. Depends on what you decide to see as an advantage. For example, children articulate well their symptoms. Neonates and toddlers will just cry! Or not feed. Or just be dull. Imagine having to get a diagnosis when the only symptom is dullness. While this is frustrating and can seem as a disadvantage, over years, to aid in diagnosis, protocols have been worked on that make diagnosis in paediatrics a bit more straightforward and uniform. The range of products used on children is also smaller than for adults. If a child's condition is caught early, the response is fast recovery from fractures is faster in children than adults.
Doris Nyamwaya

Favourite thing to do in my job: Reading current developments in my research field

About Me
Honest, Humble, Focused and Optimistic

Read less →
I was born and raised in a family of 5 sisters and 1 brother. We lived in rural nyariga, Kenya. My parents separated when I was 7 and my mother single-handedly cared for us. She sacrificed her happiness into investing towards our education. Despite several occasions of being in and out of school due to unpaid tuition fees, I managed to top my class in the primary school national examinations. Subsequently, I was selected to join one of the best secondary schools in the Country. Though it seemed a golden opportunity, I initially turned it down considering the required financial obligations for my mother who was already overwhelmed. I remember telling mum: “you know the books they read in this school are the same even in our local secondary school, let me just go to the nearby day school and I promise to work hard”. Mum was optimistic, she insisted I register at Alliance Girls, and if the worse come to the worst, only then could I debate plan B. I joined

Curriculum Vitae
Education:
Primary: St. Andrews Kaggwa Girls, Nyamwanga
Secondary: Alliance Girls High school, University: Women’s State medical academy, The university of Nairobi, The University of Oxford

Qualifications:
BSc: Microbiology, MSc: Microbiology, Currently pursuing Dphi in Clinical Medicine

Work History:
International Livestock Research Institute, KEMRI- Welcome Trust

Current Job:
A Dphi student
MEEET THE SCIENTISTS

@Fiona
I delve into the brain and search for special 'blood-brain barrier' cells which protect the brain. Sometimes I find that these cells have disappeared and no longer work out if unhealthy for them disappear...

@Kim
I teach robots to run complex experiments, which makes my life easier, quicker and more efficient. I am building more living things into products and engineered molecules.

@Luke
I am doing a PhD in Neuropathology and studying nerve cells in the brain. We are not well understood and want to find out more about them and what they do.

@Nina
Logged in as: modosophie (modosophie)
Go to sessions * Edit session
Session is running. Pause

MichaelaQ: @all what’s your favourite thing about working in science?

@Kyan M: @Kim: Where is the G-quadruplex located? And what are the benefits of the quadruple-helix?

@Kim: @Kyan M: So the G-quadruplex may tell the cell to express a protein more or less.

@Kyan M: @Kim: Are you personally going to carry out any more research into the G-quadruplex and what it does? Or do you find robotics and your current research more interesting?

@Kim: @Kyan M: Great question haha - I don’t know :)

@Kyan M: @Kim: At the moment, I’m focusing on learning automation. I do have some niggling questions leftover, which I may try and answer in the future.

@Patricia: @all How do you make the 3D reconstructions of the proteins? Reply

Write your message and hit ‘send’

@all @Fiona @Kim @Luke @Nina @Patricia @Soudi

Show messages @modosophie 0

Pause

Send
Chat với Nhà khoa học – Vi sinh vật cơ hai
Friday 8th March 2019 – 6:15am
THCS Trần Quốc Toản

You can print or save as PDF by clicking the button below.

mod3 • Xin chào các thầy cô anh chị và các bạn học sinh trường THCS Trần Quốc Toản, anh là Phát. Anh sẽ phụ trách điều phối buổi chat hôm nay.

mod3 • Hôm nay chúng ta sẽ chat với nhà khoa học trong 30 phút. Các bạn học sinh hãy cùng đặt thật nhiều câu hỏi cho các nhà khoa học, cũng như tham gia chia sẻ quan điểm, ý kiến của mình liên quan các nội dung trong buổi chat về VI SINH VẬT CƠ HAI hôm nay nhé!

mod3 • Hy vọng hôm nay chúng ta sẽ có một buổi trò chuyện thật thú vị😊

Ngọc Bích Xin chào tất cả các bạn học sinh trường Trần Quốc Toản

TQT.Q2.Khuê • @Ngọc Bích Em chào chị, em là Khuê, hiện đang là học sinh lớp 6/8 trường THCS Trần Quốc Toản

Ngọc Bích • @TQT.Q2 Khuê chào Khuê

Nguyễn Trang • Chào các bạn học sinh!

mod3 • Hiện tại Các bạn ơi, chúng ta có Ngọc Bích đang làm việc và nghiên cứu về Nhiên cứu về hệ vi sinh vật đường ruột tại ĐH vi nghiên cứu làm sàng Đại học Oxford Và chị Thu Trang đang làm Kỹ thuật viên phòng thí nghiệm, chuyên ngành Sinh Y, Hình học kỹ thuật tại ĐH vi nghiên cứu làm sàng Đại học Oxford, Hà Nội. Các bạn hãy đặt thốm các câu hỏi cho chị Bích và chị Trang nhé!!!

mod3 • Khi muốn đặt câu hỏi cho nhà khoa học nào cũng ta sẽ gõ dấu @ trước tên của nhà khoa học ấy, hoặc nhập trực tiếp vào dòng chat của nhà khoa học trên khung chat nữa.

tqt.q2.nguyenhaovy • @Ngọc Bích Em chào chị, em là Bảo Vy hiện đang là học sinh lớp 6/8, trường THCS Trần Quốc Toản
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