

TALK @ MYSCHOOL PROGRAMME

TOPIC HIGHLIGHTS

We offer **52** science talks in 2019-20.

We deliver information talks about our programmes at your school!

APPEARANCE AND EVOLUTION OF LIFE

- Dinosaur Explorers
- Early Life on Earth
- The Weird World of Ferns: The Ancient Plants that Revolutionised the Land



ECOLOGY, ENVIRONMENT AND PLANET EARTH

- Earthquakes and Tsunamis
- How to Predict the Future Climate? Understand Its Past!



SCIENCE AND HUMANITY

- A Hungry World: Can Science and Technology Help?
- Conway's Game of Life: Complexity Born from Simplicity **NEW**



UNDERSTANDING THE PHYSICS OF NATURE

- Adventure of the Sub-atomic World: What If We Keep Zooming In?
- Discovery of the "God Particle" – the Higgs Boson
- The World of Particles

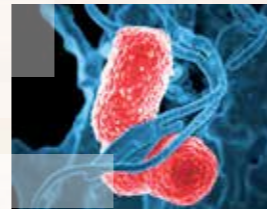
CHEMISTRY IN DAILY LIFE

- HKUtopia, a Chemistry-promoted Ideal House for a Better Living
- Let There be Light: Chemistry of Luminescent Materials
- Organic Chemistry in a Sichuan Hot Pot **NEW**
- Weighing Proteins Using Mass Spectrometry **NEW**



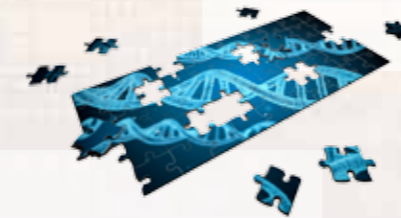
FOOD SCIENCE AND HEALTH

- Molecular Gastronomy: The Science and Lore of Culinary Culture
- You Are What You Eat – Food Chemistry for Everyone



GENETICS AND BIOTECHNOLOGY

- Beauty: Simple or Complex?



DEVELOPMENTS IN DRUGS AND MEDICAL SCIENCE

- Superbugs: What Doesn't Kill Them Make Them Stronger **NEW**
- Understanding Cancer
- Understanding Influenza Viruses



MATHEMATICS, STATISTICS AND DECISION MAKING

- Interesting Things about Interest Rates
- Misuses of Statistics
- The Wonderful World of 0 and 1
- The Mathematics of Sharing



DEVELOPMENTS IN SCIENCE AND TECHNOLOGY

- Can Fantasy Become Reality?
- Bacteria for a Renewable World **NEW**



MYSTERIES IN SPACE

- Cosmic Fireworks
- The Sun: Our Nearest Star
- Will Human Even Live on Mars?



- Admissions Talks for Our Science Programmes**
- 6901 Bachelor of Science
 - 6729 Bachelor of Science in Actuarial Science
 - 6224 Bachelor of Arts and Sciences (Applied AI)

Our teacher will deliver an admissions talk at your school introducing our science programmes. The talk will cover:

- key features of our science programmes
- the curriculum and diverse learning opportunities for students
- the Major/ Minor system
- the admissions policies

Please visit our website for full list of topics and detailed descriptions. Submit applications for science and admission talks online.



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SCIENCE ENRICHMENT PROGRAMMES FOR SECONDARY SCHOOL STUDENTS

Junior Science Institute (JSI)

Inspiring STEM workshops for participants to embark on a journey of science exploration

Talk@MySchool Programme

Interesting science talks covering a wide spectrum of disciplines will be delivered at secondary schools

Campus Visit Programme

Opportunities to visit our facilities, fun-filled science demonstrations



Our Flagship Science Outreach Programme

31 workshops will be offered in 2019-20

JUNIOR SCIENCE INSTITUTE

- STEM workshops covering a wide spectrum of disciplines
- learning STEM through inspiring workshops, laboratory exercises, field trips, lectures and other interactive activities

Let's embark on the exciting journey of STEM exploration!

INSPIRING

FUN-FILLED

INTERACTIVE

CHEMISTRY

- Colourful Food
- Chemistry Explored at Fingertips **NEW**
- Gases Everywhere
- Molecular Gastronomy
- What's the "Matter"?
- Weighing Proteins Using Mass Spectrometry **NEW**
- You can Help Crack the Case – A Touch of Forensic Science

MATHEMATICS

- Calculus: Why should we Care?
- Cryptography: How can I Write my Secret Codes and Crack the Others?
- Mathematics – An Octopus I – IV
- Where Mathematics and Biology Intersect

PHYSICS

- Discovering Einstein's Special Relativity
- Measuring the Earth
- Nuclear Physics – Fundamental to Applied Science
- Observational Astrophysics
- The Wonderful World of the Quantum

STATISTICS AND ACTUARIAL SCIENCE

- Probabilities and Statistics in Daily Life

EARTH SCIENCES

- Geology and Landscapes of Hong Kong

ENVIRONMENTAL SCIENCES

- Conservation Forensics: Using Genetic and Chemical Analysis to Help Solve Wildlife Crimes
- Segregation, Forest Fires, Diseases and other Agent-based Models **NEW**
- Urban Ecology and Conservation

BIOLOGICAL SCIENCES

- Check your Health
- Evaluate your Meat
- Molecular Analysis of Genetically Modified (GM) Plants
- Simulating Evolution
- DNA Crossing and Exchanging **NEW**

CAMPUS VISIT PROGRAMME

Visit schedule The 2019 -20 campus visit schedule is available on our webpage.

Application Period 1st semester: September 9 – October 31, 2019
2nd semester: January 2 – February 28, 2020

Notes for Application for Talks

1. Make your request at least 1 month in advance;
2. Requests that are made more than 4 months in advance will not be processed immediately;
3. A group of at least 30 students is required for a talk to be arranged.

