Campus Visit

In 2021-22, guided tour, talks and demonstrations are designed for campus visit

Earth Sciences Guided tour of Stephen Hui Geological Museum

Physics Science talk and demonstration on Elementary Particles and Superconductivity

Biological Sciences Visit to the Hong Kong Biodiversity Museum

SWIMS Visit to The Swire Institute of Marine Science (SWIMS) and Hong Kong's Marine Reserve

Science talk on understanding the Chirality in

The 2021-22 campus visit schedule and application period are available on our webpage

> **DMISSIONS TALKS FOR OUR SCIENCE PROGRAMMES**

6901 Bachelor of Science

6688 Bachelor of Science & Master of Research (Science Master Class)

• 6729 Bachelor of Science in Actuarial Science

6224 Bachelor of Arts and Sciences (Applied AI)

Our teacher will deliver an admissions talk to your school students 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 criteria





We offer 31 science talks in 2021-22 to be delivered online or at your school!

APPEARANCE AND EVOLUTION OF LIF

he World of Dinosaurs



ECOLOGY, ENVIRONMENT AND PLANET EARTH

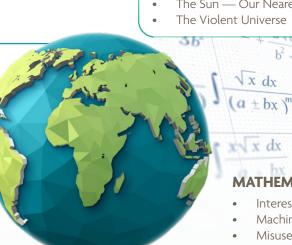
- Darwin in the City: Understanding Evolution in an Urban
- Pollution On Human and Non-human City Dwellers
- Scientific Health Risk Assessment of Persistent Organic Pollutants at Intensive Electronic Waste Recycling Sites
- The Anthropocene: Are We Causing the 6th Mass Extinction Event?

- Earthquakes and Tsunamis
- Noise Annoys: Understanding the Effects of Noise
- Revisiting Photosynthesis and Chloroplast

- The Earth is Round

DEVELOPMENTS IN DRUGS AND MEDICAL SCIENCE

- Superbugs: What Doesn't Kill Them Makes Them Stronger
- Understanding Cancer
- Understanding COVID-19 and SARS-CoV-2





- Are We Alone: The Search for Planets Around Other Stars
- Cosmic Fireworks

MYSTERIES IN SPACI

- The Galactic Graveyard and the Ultimate Fate of Our Sun
- The Sun Our Nearest Neigbour







- Interesting Things about Interest Rates

- Role of Statistics in Health Sciences
- Statistics in Mahjong
- The Mathematics of Voting
- What The Man Who Knew Infinity Knew





The World of Particles



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

TouchStart Science Junior Science 3-day interactive summer

workshops covering advanced topics and igniting your scientific inspiration

Campus Visit

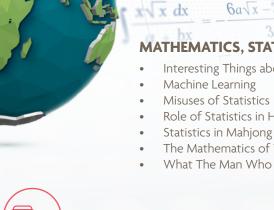
Public Lecture Series

Immersive experiences with Introducing and explaining quided tours and fun-filled frontier research findings in lemonstrations in campus layman terms by Faculty or at our science museums





- Can Fantasy Become Reality
- How May Artificial Intelligence Change Our Society?
- Microbial Electron Transfer for a Sustainable and Renewable World





SCIENCE AND HUMANITY

A Hungry World: Can Science and Technology Help?

The Forgotten Member of the Science Trinity







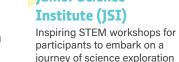


















































Fi y

Public Lecture Series

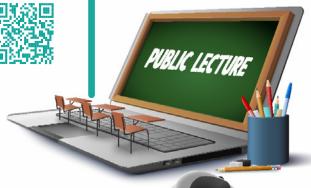




Earth Sciences







JUNIOR SCIENCE INSTITUTE

12 online and face-to-face workshops will be offered in first and second semesters of 2021-22



Plastic Pollution



ARTIFICIAL INTELLIGENCE

Can Artificial Intelligence Be Creative?



STATISTICS & ACTUARIAL SCIENCE

Introductory of Virtual Intelligent Robots



MATHEMATICS

Probability in Daily Life

Details & application

Date 1st semester session: October 16, 2021 (Saturday) 2nd semester session: March 19, 2022 (Saturday)

Commitment HK\$200 for face-to-face workshop

fee (will be refunded upon successful completion of workshop)

Application 1st semester session: October 10, 2021 (Sunday) deadline 2nd semester session: January 31, 2022 (Monday

Eligibility Form 4 – 6 (secondary school students)

Take your first steps into the exciting world of science through the 3-day

interactive summer workshops led by the enthusiastic researchers of HKU Science! Through talks, lab visits, demonstration, group projects and more, you will get the chance to delve deeper into more advanced topics in the scientific limelight.

Embark on your journey into the exciting world of science and ignite your scientific inspiration!





















What's the Matter?

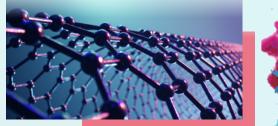








Everything in the physical world is made of some matter. Explore the multidisciplinary field of materials science through hands-on activities, lab visits and group projects, you will learn more about the structure-property relationships of materials and scientific methods to characterise materials.





Young Scientist on Virtual Intelligent Robotics Design





Robotics plays an increasingly important role in our lives. You will be able to learn and design a virtual intelligent robot, and programme a virtual intelligent robot in a simulated virtual environment, via a series of lectures, hands-on programming and mathematical calculation, goal-setting activities, peer learnings and collaborations.



Budgeting Carbon in Hong Kong





The workshop will focus on enhancing your understanding of the carbon cycle, addressing the human impacts on climate and possible consequences. Different approaches (natural, structural and behavioural approaches) will be highlighted as strategies for mitigation.

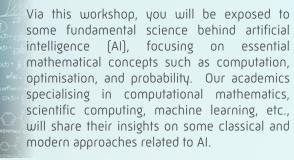
Stay tuned for more details about

The Mathematical Foundations behind AI









Date Jul 13-15, 2022 (Wed-Fri)

Time 10am-5pm

Face-to-face

Programme fee

HK\$ 2,500 / workshop Form 4-6 (secondary school students);

Year 11-13 (international school students)

workshops and registration!







RNA-based Therapeutic Approaches Understanding Climate Change — Reviewing the Past and Mapping Out Future Implications

Mathematics in Games

The Magic of Oysters and

How They Help Humans

Free-electron Light Interaction: from Cherenkov to Zewail and more

How Invisibility Cloaks Work

Stay tuned for lecture dates!





PHYSICS

STEM topics covering a wide spectrum of disciplines Learning STEM through our interactive workshops, demonstrations and virtual field trips!



• Evaluate Your Meat • Check Your Health

• How Does Various Kinds of Astronomical Telescopes Work?

• The Two-sphere Model of the Universe • Exploring Wonders of Flatland in Physics

Observational Astrophysics

To See DNA Crossing and Exchanging

Year 11–13 (international school students)