

HKUST Summer Institute 2025

Enrichment Activities

Activity Name	Welcoming Event	
Date & Time	Aug-4 (Mon)	12:30pm-1:15pm
Speakers	Program Director, HKUST Students & Instructors of Summer Institute	
Medium of Instruction	English	
Venue	TBC	
Fee	Free	
Details	This event starts with a warm welcome, followed by a brief sharing by SI instructors / HKUST students. They will provide you with a glimpse of the exciting opportunities that await you in your academic journey. Souvenirs will be given out to participants.	
Remarks	<i>Students are highly encouraged to join the Welcoming Event.</i>	

Activity Name	Bamboo Weaving Painting Workshop: Crafting Traditional Bamboo Fans	
Date & Time	Aug-4 (Mon)	6:00pm-8:00pm
Instructor	Ms. Cindy Tai	
Medium of Instruction	English	
Venue	Room 209, 2/F, Shaw Auditorium	
Fee	HK\$200	
Details	Bamboo weaving is one of the intangible cultural heritages of Hong Kong. In this workshop, Ms. Cindy Tai, founder of 井井有條, will teach participants to create a bamboo fan using traditional weaving techniques.	

Activity Name	Campus Tour	
Date & Time	Aug-5 (Tue)	1:15pm-2:00pm OR
		5:00pm-5:45pm
Instructor	HKUST Student Ambassadors	
Medium of Instruction	English	
Venue	HKUST Campus	
Fee	Free	
Details	Our HKUST Student Ambassadors will show you around our beautiful campus in this 45-min tour. Participants can have live interaction with our Student Ambassadors and ask them questions about HKUST.	
Remarks	<i>The two sessions are identical; students are advised to enroll in only one session.</i>	

Activity Name	Archery Workshop	
Date & Time	Aug-5 (Tue)	12:30pm-1:15pm OR
		1:15pm-2:00pm
Instructor	HKUST Sport Tutors	
Medium of Instruction	English	
Venue	Sports Hall	
Fee	HK\$100	
Details	Archery is a sport that enhances physical coordination and boosts concentration. Participants can have a chance to learn about the basics of target archery, the safety rules, archery etiquette, etc. in this workshop.	
Remarks	<i>The two sessions are identical; students are advised to enroll in only one session.</i>	

Activity Name	Tchoukball Workshop	
Date & Time	Aug-5 (Tue)	12:30pm-1:15pm OR
		1:15pm-2:00pm
Instructor	HKUST Sport Tutors	
Medium of Instruction	English	
Venue	Sports Hall	
Fee	HK\$100	
Details	Tchoukball is one of the fastest ball games played between two teams. It combines the pace and excitement of handball and volleyball into a fun, quick, competitive sport, yet without physical contact, which is suitable for all. Participants can easily pick up the throwing, catching, and shooting skills in this non-physical contact sport!	
Remarks	<i>The two sessions are identical; students are advised to enroll in only one session.</i>	

Activity Name	Chinese Seal Carving: A Hands-On Seal Carving Experience	
Date & Time	Aug-5 (Tue)	6:00pm-8:00pm
Instructor	Mr. Ng Kam Chuen	
Medium of Instruction	English	
Venue	Room 209, 2/F, Shaw Auditorium	
Fee	HK\$200	
Details	Chinese seal carving is one of the Chinese traditional craft. In this workshop, Mr. Ng Kam Chuen, a seal carving master with over 40 years of experience, will share the history of seal carving and guide participants in creating their own seals.	

Activity Name	Physics Workshop	
Date & Time	Aug-6 (Wed)	12:30pm-1:15pm
Instructor	Mr. David Mak	
Medium of Instruction	English	
Venue	Room 6131 (Lift 22)	
Fee	HK\$200	
Details	<p>We will conduct live demonstrations and experiments on the following topics:</p> <ol style="list-style-type: none"> 1. Singing Rod 2. Wave-particle duality <ol style="list-style-type: none"> a. Electron charge to mass ratio, and b. Electron diffraction 3. Fiber communication link 4. Superconductor – Meissner effect 	

Activity Name	The Art of Chinese Shadow Puppetry - Create Your Own Shadow Puppet	
Date & Time	Aug-6 (Wed)	6:00pm-8:00pm
Instructor	HKJGC (校園集古村)	
Medium of Instruction	English	
Venue	Room 209, 2/F, Shaw Auditorium	
Fee	HK\$200	
Details	<p>Chinese shadow puppetry (皮影戲) is a captivating theatrical art form where puppeteers manipulate shadow puppets using rods behind a translucent screen. In this workshop, participants will explore the history of shadow puppetry and create their own puppets.</p>	

Activity Name	Ocean Research Facility Visit	
Date & Time	Aug-7 (Thu)	12:30pm-1:15pm
Instructor	Miss Grizz Gao	
Medium of Instruction	English	
Venue	Ocean Research Facility	
Fee	HK\$200	
Details	<p>Join our workshop to uncover the secrets of the ocean! We'll introduce our state-of-the-art laboratory facilities that support in-depth marine research. Explore the sea system and mesocosm system, which simulate real marine environments to study biodiversity and ecosystem dynamics. Learn how these facilities and systems help us understand the impacts of climate change and human activities on marine life. Discover our efforts in protecting marine biodiversity and gain valuable insights into ocean conservation.</p>	

Activity Name	Math Workshop - Computational Mathematics in Real Life	
Date & Time	Aug-7 (Thu)	1:15pm-2:00pm
Instructor	Prof. Tim Leung	
Medium of Instruction	English	
Venue	Room 2504 (Lift 25,26)	
Fee	HK\$200	
Details	Beyond theory and experimentation, computational science has emerged as the "third pillar" of scientific discovery. By using the power of computers to tackle complex numerical problems, it makes possible simulations and insights that are often unattainable through theory or experimentation alone. In this talk, we will explore how computational mathematics is applied in everyday life and across various research domains. Through accessible examples, we will showcase its role in dynamic interface modeling, multiphase flow simulations, digital image processing, and even movie production.	

Activity Name	Life Science Workshop	
Date & Time	Aug-8 (Fri)	12:30pm-1:15pm
Instructor	Dr. Amy Li	
Medium of Instruction	English	
Venue	Room 4160 (Lift 33) (Life Science Teaching Lab)	
Fee	HK\$200	
Details	Many bacteria and fungi found in the environment can be cultured in the laboratory. In this workshop, we will introduce different laboratory equipment commonly used to study microorganisms. Apart from live demonstrations, we will provide students with the opportunity to practice some basic techniques.	

Activity Name	Chemistry Laboratory Visit	
Date & Time	Aug-8 (Fri)	1:15pm -2:00pm
Instructor	Dr. Man Sing Cheung	
Medium of Instruction	English	
Venue	CYT-1004 (Chemistry Teaching Lab)	
Fee	HK\$200	
Details	A teaching laboratory of the department of Chemistry will be open to participants of Summer Institute. Some chemistry laboratory facilities will be briefly introduced. We will conduct live demonstrations of chemical experiments, and these demonstrations will be related to properties of some interesting molecules.	

Activity Name	Blue and White Porcelain: Design Your Mini Blue and White Masterpiece	
Date & Time	Aug-8 (Fri)	6:00pm-8:00pm
Instructor	HKJGC (校園集古村)	
Medium of Instruction	English	
Venue	Room 209, 2/F, Shaw Auditorium	
Fee	HK\$200	
Details	Blue-and-White porcelain, also known as 青花瓷, is one of China's most iconic porcelain types. In this workshop, participants will learn about the history of Blue-and-White Porcelain and create their own mini piece.	

Activity Name	Engineering Workshop – Programming of an Underwater Robot	
Date & Time	Aug-9 (Sat)	12:30pm - 2:00pm
Instructor	STEAM Tutor Team	
Medium of Instruction	English	
Venue	TBC	
Fee	HK\$200	
Details	Underwater robots have been deployed as vital tools for deep-sea exploration and inspection. In this workshop, participants will learn how to program an underwater robot that will be submerged and operated in an underwater setting.	