

Sprout

EXPAND YOUR HORIZONS

What is Sprout?

Sprout, first initiated in 2015, is a series of workshops held by our very own NUS High Alumni for the current students. Ranging from various topics such as song writing to the use of antibiotics to hand lettering, Sprout aims to provide extra-curricular learning opportunities for the students and allow them to venture into different areas of interest.

When?

Sprout 2017 will be held on the Term 3 Week 1, 27th (Tuesday) and 29th (Thursday) June.



Workshops Available

Don't understand music? Think pop music is trashy but can't figure out why they are so addictive? Don't worry we have you covered with this workshop. Within one and a half hours, not only will you uncover some of the tricks many famous songwriters utilize, you will be able to create catchy tunes along the way by understanding the various rhythms and styles. Find your hidden talent in songwriting today and create the next hit song. This workshop is open to all students with or without formal music education!

27th or 29th June 1630-1800

How to Write a Song in 1.5h – Lee Yue Xin, Janelle Lee, Marion Pang (2016)

Complex analysis is the theory of complex functions of a complex variable. It is one of the most beautiful and important corner of mathematics with many surprising results and applications. Join this workshop to find out more about complex analysis!

27th or 29th June 1630-1800

Complex Analysis – Lim Jeck (2013)

From books and theatre, to audio and film, the art of storytelling has evolved together with our technologies and new forms of media. For our generation, our new form of media is Video Games. Go beyond gameplay and learn how Video Games are able to tell stories in a way that no other medium can!

27th or 29th June 1500-1630

Story Telling in Interactive Media (Video Games) – Kuan Xiang Wen (2011)

How do you checkmate your opponent in endgames in international chess? One wrong move and hours of effort can go to waste. Designed for students with little background in international chess, this workshop aims to instill various tactical and strategic ideas-- from the basic to intermediate-- that help a new player to win an endgame.

27th or 29th June 1500-1800 (including break)

Introduction to Basic Endgames in International Chess – Lau Yan Han (2014)

Ever wondered what the Korean characters you see in Korean drama are? Do you want to have a better understanding of the language? This workshop will teach you how to write and read Korean characters, allowing you to look like a Korean pro! Recommended for those who have no Korean background.

27th June 1630-1800

Basics of Hangeul – Woo Si Jin, Cho Yu Hwa (2015)

Want to learn how to hand-draw letters? Want to learn how to write that quote in style? Join and experiment with various styles and learn to plan and write quotes. Write the words you want to write!

27th or 29th June 1500-1630

Introduction to Lettering with a Pencil – Daniel Low (2016)

You may have seen knitting before, but have you heard of crochet? While knitting uses 2 needles, crochet uses only a hook in one hand. You may have come across crochet winter wear and amigurumi Pokémon in shops. You'll learn how to get started with basic stitches for complete beginners. Common beginner mistakes will be shared. In addition to live demo, you'll get to try out starter projects! Both males and females are equally welcome to join in this amazing finger tug-of-war with yarn. No prior knowledge needed.

(Note from instructor: I can only guide right-handers)

27th or 29th June 1500-1630

Introduction to Crochet for Complete Beginners – Dee Pei Fang (2014)

Want to improve your singing, but have no money to take singing lessons outside? This workshop aims to provide a brief amateur's insight into singing self-learning and how to improve your vocal technique by yourself. This workshop will cover basic vocal theory, exercises and tips and include discussion about common discussed topics like falsetto, mixed voice and vocal strain.

27th or 29th June 1630-1800

How to Sing like a Pro – Galen Tiong (2013)

This workshop introduces important concepts contemporary physics, along with the supporting mathematical framework. After some mathematical prelude, student will dive straight into problem solving and discussion. Topics include, subjected to time and interest constrain, Quantum Mechanics, Condensed Matter Theory, Quantum Information, Laser Physics, and so on... There is no mathematic prerequisite.

27th & 29th June 1500-1800 (including break)

Quantum Mechanics and Topics in Contemporary Physics Research – Ha Quang Trung (2014)

Many important questions have not been answered, and that's scary. For example:

What is the meaning of life? Can we know anything for sure? Do humans have any control over their actions? What is consciousness?

In fact, the pursuit might be more valuable than any one answer. That's why philosophers love to discuss these big questions. This workshop will introduce you to what Philosophy is, and why you absolutely need to know about it.

You can bring your own big questions along! Guaranteed to be a fun and mind-expanding discussion.

29th June 1500-1630

Introduction to Philosophy – Shashvat Shukla (2016)

Owning a dog is a huge responsibility. Food: am I feeding him correctly? Is he getting enough? Is he getting too much? Health: is he healthy? How can I tell if he's feeling unwell? How often should I shower him? How often should I brush his teeth? These are questions that every owner will want to know the answer to. If you ever asked yourself any of these questions or more, this workshop is definitely for you. Conducted by a senior who's studying veterinary medicine, this workshop aims to teach participants how to be responsible pet owners and properly care for their pets. This workshop is specifically targeted at students who own dogs or students whose family are planning to own dogs.

PS: discussion of other species (cats/rabbits etc.) are welcome as well, though dogs will be the main focus here.

29th June 1500-1630

Pet Care 101 – Tseng Liang Jun (2011)

Puns: a form of humour so low, people pinch their eyes and sigh upon hearing one. Learn about how our languages make puns possible, why a book on anti-gravity is impossible to put down, and why it is difficult to explain puns to kleptomaniacs. Just be warned though, really bad puns will appear.

29th June 1500-1630

What is in a Pun? – Javier Chai (2015)

Ever looked at dancer dancing on their own and thought to yourself, how do they do that? Want to look as cool as the street dancers?

Make it come true! Jump right in and get the basic 101s of freestyle dances.

29th June 1500 -1730

Introductory lesson on the history and concepts surrounding freestyling (street dance) – Reico Ng (2008)

“All things are poison, and nothing is without poison, the dosage alone makes it so a thing is not a poison.”—Paracelsus, Swiss philosopher

This quote is often an adage to a basic principle in toxicology that the dose of a drug can determine whether or not a drug is therapeutic or will become toxic to its user. Thus, when deciding to give a drug for medical treatment, it is of utmost importance to give an accurate dose that is suitable for the patient. In this session, we will focus on the dosing of antibiotics. Some antibiotics, such as vancomycin, require close monitoring of the dose administered in order that patients get the maximum therapeutic benefit while reducing their risk of side effects such as hearing loss and kidney damage as much as possible. Learning to dose antibiotics will thus be a good introduction to learning how to dose medications. Through this session, students will also gain some insight to the role a pharmacist can play in the setting of acute care as part of a medical team.

29th June 1630-1800

A Snippet of being a Poisons Expert: When, why and how to dose and give antibiotics safely – Janice Goh (2011)