


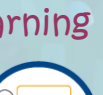




Physics in an Engineering Context

(Course Code: ALE/TPE/001)

Introduction	<p>Senior school physics is often regarded as a general purpose 'fit-for-all' crammed package of different aspects of the physics field, with a tendency to focus on achieving scores for school reports and preparations for public examinations.</p> <p>Regardless of societal and economic expectations, the pursuit of STEM subjects and careers after secondary schooling has maintained to be competitive and desirable. There are many possibilities within the sciences and engineering fields. When it comes to choosing an age 18+ educational and learning path, students can find the decision of what to commit a few years of their lives to, a daunting prospect.</p> <p>This course aims to provide a taster learning opportunity for the age 15 to 17 students to find out what an engineering mindset entail. In addition, this course intends to encourage the students in starting a guided reflection about what their expectations and preferences are, when it comes to deciding between engineering or sciences fields.</p>
Programme Type / Level	<p>Course (Advanced) (Token required)</p>
Instructor(s)	<p><u>Leading Instructor: Ms. Jenny Lee (S.D.O., ALED, The HKAGE)</u></p> <ul style="list-style-type: none"> • MEng. (Hons) Aerospace Engineering, MPhil. Engineering Sciences, University of Southampton, U.K. • 6 years of bespoke Physics and Mathematics tutoring experience in UK GCE A-Levels, US and IDBP syllabuses. • 8 years of experience in educational enrichment and engineering outreach for senior school students and university students in the U.K. • Recipient of the Royal Aeronautical Society Centennial Scholarship (Individual Awards, U.K.) in November 2011.
Target Participants	 <ul style="list-style-type: none"> • S4 to S6 (from 2019/2020 school year) HKAGE full members • Capacity: 20 (Approximately 15 to 25 students)
Medium of Instruction	 <p>English only, with English handouts</p>
Certificate	 <p>An E-certificate will be awarded to participants who:</p> <ul style="list-style-type: none"> • Have attended 3 lessons (out of a total of 4) • Attendance to the first two lessons is compulsory for satisfying attendance requirement.
Intended Learning Outcomes	 <p>Upon completion of the program, participants should have:</p> <ol style="list-style-type: none"> 1. Knowledge acquisition. 2. An appreciation of the fundamentals of engineering ethos and processes. 3. Participation in group learning and some technical discussions. 4. Possible identification of their interests and preferences in the fields of engineering and sciences.

Application Procedure



This programme is Programmes with No Screening

There are no screening questions, written test or other screening methods for this type of programmes.

- Student members can select up to 5 programmes from a list of selection. Applicants have to state the priority when submitting the application. (1st priority, 2nd priority, 3rd priority, etc). 1 token is required for each programme (For programme list, please refer to the issue 15 of [Gifted Gateway \(click here\)](#));
- Application can only be submitted once. Once it is submitted, the priority and the programme selection cannot be changed;
- If a student member removes a programme from the application before the application deadline by withdrawal, the choice priority will remain unchanged. (For example: A student has selected three programmes and removed the programme with the 1st priority from the application. The choices of 2nd and 3rd priority will remain unchanged with no promotion in priority.);
- We will select the students based on the student's choice of priorities and a randomly generated selection by the computer system. If there is time clash between the applied programme and other programmes with offer, HKAGE will consider if the application will be accepted;
- Priority will be given to student members who have not completed the applied programmes;
- Student members should avoid applying programmes with time clash;
- The decision of HKAGE on the result of selection should be final.

Application Deadline

12:00pm
25 July 2019
(Thursday)

Application Result Release Date

02 August 2019
(Friday)

Schedule



Time	Activity	Venue
10:00am to 12:00pm		The HKAGE
14/09/2019 (Saturday)	Lesson 1	Room 403
28/09/2019 (Saturday)	Lesson 2	Room 403
05/10/2019 (Saturday)	Lesson 3	Room 403
12/10/2019 (Saturday)	Lesson 4	Room 403

Enquiries



For enquiries, please contact Advanced Learning Experiences Division (Ms. Jenny Lee) by phone at 3940 0101 (after language selection, press "6") or by email to ale@hkage.org.hk.