




STEM your Monocular (SCIP1061A)


Introduction In the Age of Sail from the 16th to the 19th century, the monocular telescope was a necessity for sailors. Do you know how a monocular telescope works? How far can you see with a monocular telescope? Let's make one to find out the answers! This course aims at providing students with some knowledge of light through experiments in optics. For instance, the properties of light and different types of lens will be introduced. Students will apply the acquired knowledge to make a monocular telescope. With a powerful monocular telescope, the invisible becomes visible.


Programme Type / Level Optics Course (Level 1) ([Token-required](#))


Instructor(s) Ms. Leung Kin Yi Promail

Pre-requisite No special prerequisites are needed

Target Participants 
 ➤ P4 – P6 HKAGE student members in 2019-20 school year only
 ➤ Class size: 30
 * First-come, first-served

Medium of Instruction  Cantonese with Chinese handouts

Certificate  **E-Certificate** will be awarded to participants who have:
 ❖ Attended **at least 3 sessions**; **AND**
 ❖ Completed all the assignments with **satisfactory performance**

Intended Learning Outcomes  Upon completion of the programme, participants should be able to:
 1. investigate the properties of light via optics experiments;
 2. investigate different types of lenses via optics experiments;
 3. find the focus of a lens experimentally;
 4. explain the principle of a simple telescope with optics concepts;
 5. create and decorate their own telescope.


Application Deadline **19 June 2020, 12:00 n.n.**

Student members may withdraw from the programme on or before the deadline. Otherwise, the token will be deducted.

Schedule 

Session	Date	Time	Venue
1	17 Aug	9:30 a.m. – 12:30 p.m.	Physics Laboratory, Stewards Ma-Kam Ming Charitable Foundation
2		1:30 p.m. – 4:30 p.m.	
3	18 Aug	9:30 a.m. – 11:30 a.m.	Ma Ko Pan Memorial College ¹ Zoom Meeting
4		2:30 p.m. – 4:30 p.m.	

¹ Address: No. 17, Shek Pai Tau Road, Tuen Mun, N.T. ([Location](#))

Enquiries  For enquiries, please contact us at 3940 0101 after language selection, press "1".