








INTRODUCTION TO NEWTON'S LAWS OF MOTION

(SCIP1301)

Introduction	Theories of physics are applied to many vehicles and navigation devices. This course includes a series of activities for exploring physical science in order to improve students' scientific investigation skills, thinking skills and problem-solving skills. Students will acquire basic knowledge of mechanics and fluid mechanics through making "fan propelled cars", "drifting paper planes" and "rubber band helicopters".
Programme Type / Level	Science Course (Level 1) (Token-required)
Instructor(s)	Mr. Cheung Chak Man
Pre-requisite	No special prerequisites are needed
Target Participants 	<ul style="list-style-type: none">➤ P4 to P6 HKAGE student members➤ Class size: 30
Medium of Instruction 	Cantonese with Chinese handouts
Certificate 	E-Certificate will be awarded to participants who have: <ul style="list-style-type: none">❖ 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: <ol style="list-style-type: none">1. Explain logically the mechanics concepts such as Newton's Third Law by assembling and testing a fan propelled car;2. Investigate aerodynamics, energy and energy conversion through creating drifting paper planes and rubber band helicopters;3. Design a fan propelled car by applying mechanics concepts.
Application Procedure 	<u>This programme is Programmes with No Screening</u> There are no screening questions, written test or other screening methods for this type of programmes. <ul style="list-style-type: none">● 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 page 5 to page 6 of Gifted Gateway Issue No.12;● 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.);● Selection of students will be based on the applicant's choice of priorities and on a first-come-first-served basis. 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 **29 Oct 2018**

Application Result Release
Date

6 Nov 2018

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

Schedule



Session	Date	Time	Venue
1	11 Feb	9:00 a.m. – 12:00 noon	HKAGE (Classroom to be confirmed)
2			
3	12 Feb	1:00 p.m. – 4:00 p.m.	
4			

Enquiries



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

SCIENCES

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