






Electricity (SCIO1001)

Introduction	This online programme consists of 6 chapters which include static electricity, circuit, household electricity, magnetic field, electromagnetic induction and the transmission of electrical energy. Interactive elements like videos and computer simulation are used to assist learning. You will be able to apply what you have learnt here to solve the relevant problems in the chapters.
Programme Type / Level	Online Learning Programme in Physics (Level 3) (Non Token-required)
Writer	Mr. LEUNG Wang Yue
Target Participants	<p>➤ S1 to S6 HKAGE student members</p> <p>* Students who fail the online programme can enrol in it again in the next quarter. (Quarter ONE: 2 April – 30 June; Quarter TWO: 2 July – 30 Sep; Quarter THREE: 2 Oct – 30 Dec; Quarter FOUR: 2 Jan – 30 Mar).</p>
Medium of Instruction	 English
Intended Learning Outcomes	<p>Upon completion of the programme, participants should be able to:</p> <ol style="list-style-type: none">1. Understand the inter-relationships among voltage, current, resistance, charge, energy and power and the foundation for basic circuitry;2. Explain the magnetic effects of electric current and some simple magnetic field patterns;3. Compare the operation principle of simple d.c. and a.c. generators and the role of transformers in transmitting electrical energy over great distances; and4. Evaluate the factors affecting the strength of an electromagnet.
Duration	18 hours
System Requirement	Browser: IE 8 OR above; Firefox 6 OR above; Safari Screen resolution: 1024x768
Application Procedure	 <ol style="list-style-type: none">1. Click "HERE" to go to online application platform2. Complete and submit the online application form3. You and your parent will receive the Online Application Confirmation email from our system4. Click "HERE" to access to the moodle platform5. Use the USERNAME and PASSWORD indicated in the email to login6. You may start now!
Remarks	<ul style="list-style-type: none">● You have to pass the online test in order to complete the course by attempting ONCE only.● A tick next to an activity name may be used to indicate when the activity is complete. If a box with a solid border is shown, please click it to tick the box when you think you have completed the activity. (Clicking it again removes the tick if you change your mind.)
Enquiries	 For enquiries, please contact 3940 0101.