






# Physics Mechanics I (SCI0911A)

<b>Introduction</b>	The programme aims to: <ul style="list-style-type: none"><li>■ Discuss kinematics in 1-D and 2-D by using the concepts of vectors</li><li>■ Discuss and analyze the principles of Newton's laws</li><li>■ Explain the concepts of work, kinetic energy and momentum</li></ul>
<b>Programme Type / Level</b>	Online Learning Programme in Physics (Level 3) ( <a href="#">Non Token-required</a> )
<b>Writer</b>	Mr. CHAU Kwok Leung
<b>Target Participants</b>	<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>
<b>Medium of Instruction</b>	 English
<b>Intended Learning Outcomes</b>	<p>Upon completion of the programme, participants should be able to:</p> <ol style="list-style-type: none"><li>1. Describe 1D and 2D motion using different physical vector quantities;</li><li>2. Apply Newton's laws of motion to solve 1D and 2D problems;</li><li>3. Understand and apply the concepts of work and mechanical energy; and</li><li>4. Apply the laws of conservation of momentum to solve 1D &amp; 2D problems of collision</li></ol>
<b>Duration</b>	12 hours
<b>System Requirement</b>	Browser: IE 8 OR above; Firefox 6 OR above; Safari Screen resolution: 1024x768
<b>Application Procedure</b>	 <ol style="list-style-type: none"><li>1. Click "<a href="#">HERE</a>" to go to online application platform</li><li>2. Complete and submit the online application form</li><li>3. You and your parent will receive the Online Application Confirmation email from our system</li><li>4. Click "<a href="#">HERE</a>" to access to the moodle platform</li><li>5. Use the USERNAME and PASSWORD indicated in the email to login</li><li>6. You may start now!</li></ol>
<b>Remarks</b>	<ul style="list-style-type: none"><li>● You have to pass the online test in order to complete the course by attempting <b>ONCE</b> only.</li><li>● 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.)</li></ul>
<b>Enquiries</b>	 For enquiries, please contact us at 3940 0101.