



Algebra 1 (MATO2210)

Algebra is one of the major mathematical topics. Using innovative and interactive teaching materials, this online learning programme enables students to gain fundamental knowledge of algebra, such as the classification of numbers, the concepts of rate, ratio and errors.

Introduction

Module 1 : Rational and Irrational Numbers

- Study the concepts of rational and irrational numbers
- Distinguish whether a number is rational or irrational

Module 3 : Rate and Ratio

- Recognise the difference between rate and ratio
- Apply rate and ratio to suitable situations

Module 2 : Errors

- Recognise different kinds of errors
- Learn to calculate errors and understand the application of errors

Module 4 : Sequence

- Observe the general pattern of a sequence
- Handle simple application problem in sequence

Programme Type / Level

Introductory Online Learning Programme ([Non Token-required](#))

Writer

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Target Participants



- P4 to P6 HKAGE student members
- * **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).

Medium of Instruction



English supplemented with English Voice Over

Intended Learning Outcomes



Upon completion of the programme, participants should be able to:

1. Distinguish between rational and irrational numbers;
2. Evaluate the meaning and calculate different types of errors;
3. Generate the patterns of number sequence;
4. Manipulate algebraic expressions by using laws of indices.

Duration

15 hours

System Requirement

Browser: IE 8 OR above; Firefox 6 OR above; Safari
Screen resolution: 1024x768

Application Procedure



1. Click "[HERE](#)" to go to online application platform
2. Complete and submit the online application form
3. You and your parent will receive the Online Application Confirmation email from our system
4. Click "[HERE](#)" to access to the moodle platform
5. Use the USERNAME and PASSWORD indicated in the email to login
6. You may start now!

Remarks

- 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 us at 3940 0101 after language selection, press "1".