

SOME FREQUENTLY ASKED QUESTIONS ABOUT Marshall Cavendish Maths & Science

Q: Are the books endorsed by Cambridge International Examinations?

Both series are endorsed by Cambridge International Examinations.

Q: What are the benefits of using these series?

Marshall Cavendish Maths and Marshall Cavendish Science are complete instructional packages that fully support the Cambridge International Primary Mathematics and Science curricula respectively.

Aligned to the style and demands of the international curriculum, both series are comprehensive, user-friendly and easy to understand for pupils and parents. The exercises and activities are also carefully designed to encourage development of Cambridge learner attributes in pupils – the five highly desirable habits in learning: confident, responsible, reflective, innovative and engaged.

In addition to providing engaging and interactive activities, both series include information on how and what to deliver without extensive or expensive supplementary resources. Both series are also culturally sensitive, relatable and clearly organised while offering the strengths of approaches used in Singaporean education. Each series uses the spiral progression to build a strong foundation and supports learning with a Pupil's Book, an Activity Book and a Teacher's Guide with optional accompanying digital resources for each stage. The Teacher's Guide provides detailed guidance on how to plan and deliver effective and engaging lessons using the Pupil's Book and Activity Book. It is a support resource that is easy to use for all, including new, inexperienced or nonspecialist teachers. This makes it ideal for homeschool education.

Q: What are the learning approaches used in these series?

Marshall Cavendish Maths

This series helps pupils gain mastery in Mathematics with its use of the Concrete-Pictorial-Abstract (CPA) approach and heuristics such as bar modelling. With problem solving and metacognition at its core, the series enables the pupils to develop Cambridge learner attributes. Besides engaging the pupils and exposing them to new concepts in a highly scaffolded manner, the series also includes mathematical variation that challenges the pupils to use their mathematical skills flexibly to suit the situation. Pupils also deepen their understanding and perceptual variation in which the mathematical concept stays the same throughout the sequence of questions but presented in different ways. Along with the exploratory questions, this series guides the students to fluency and mastery.

Marshall Cavendish Science

This series employs strategies and features that leverages on guided constructivist-inquiry approach to foster the learning of Science and help pupils gain mastery in Science. All four strands of the Cambridge Primary Science curriculum – Biology, Chemistry, Physics and scientific enquiry – are covered. Through this package, pupils are encouraged to actively construct meaning from their experiences in connection with their prior understanding. This is achieved by identifying pupils' pre-existing views and ideas, and creating opportunities for pupils to explore their ideas, explain phenomena, account for events and make predictions. They are encouraged to develop, modify and where necessary, change their ideas and views.

Q: How are these series different from other Cambridge-endorsed series?

The Pupil's Books in Marshall Cavendish series contain the complete curriculum, whereas in other series, the learner's books must be used in conjunction with the Teacher's resources for complete coverage. Both Marshall Cavendish series also offer more extensive opportunities for rigorous review and assessment. In addition, many other series are more teacher-directed, which means that complete coverage is dependent upon the teacher's (or parent's) ability to supplement the lessons and introduce the topics. This series stands alone and does not require experienced Cambridge training nor additional preparation.