

New MYP Series – Changes from the previous edition

The material has been amended to reflect changes in the syllabus. For example, Bivariate Statistics has been added to the MYP 5 Standard and MYP 5 Extended textbooks, and the work on Number Sequences has been expanded, including a treatment of sums of series in the MYP 5 Extended textbook.

There is a change in focus for the weaker MYP5 textbook. Rather than being a preparation for DP Studies SL only, it now corresponds to the MYP 5 Standard syllabus, and therefore is preparation for DP Studies SL or SL. We believe that most students preparing for DP SL would be better served by doing the MYP 5 Extended course, but here we cater for students with the capability to do DP SL who, for whatever reason (eg, change of school), are behind entering their MYP 5 year.

The MYP 5 Standard book contains two background chapters (on Number Theory and Algebra) for struggling students. The bulk of the printed chapters reflect the MYP 5 Standard syllabus. There are then extra online chapters aimed at fully preparing those students wanting to go on to DP SL rather than DP Studies SL.

Some of the topics which have been removed from the syllabus, such as error and loci, have been removed from the textbooks. However, some topics have been retained because they may be useful for students looking to study Mathematics SL/HL or Further Mathematics at the Diploma stage. For example, in the MYP5 Extended textbook there is an online chapter on Matrices which would be useful for Further Mathematics students. The MYP 5 Extended textbook also contains topics which will prepare students well for Mathematics SL and HL, such as Vectors and Calculus.

More broadly, the material has been reorganised to present a more logical progression of ideas, and a more consistent progression of difficulty. The MYP1 textbook will be at a slightly lower level of difficulty than the previous edition, and topics such as fractions, percentages, and number properties have been given a more thorough and methodical treatment in MYP1 and MYP2. There will be a slightly steeper progression in difficulty from one book to the next, so that the same level of difficulty is reached in MYP 5 Extended as the previous edition.

The series contains a greater number of puzzles and games, especially at the lower year levels. There are games which appear in the textbook and can be played in groups in the classroom, as well as online, enabling students to learn the concepts in an engaging manner. Much of the existing software has been updated, including new geometry and graphing packages.

The calculator models have been updated, with the books featuring screenshots and instructions for the Casio fx-9860G Plus, the Casio fx-CG20, the TI-84 Plus, and the TI-nspire. Calculator instructions can be accessed by clicking on icons located throughout the book, rather than being presented at the front of the book, thus helping to keep the size of the books down.

The books contain a selection of activities that teachers can use to help plan a unit of work based on the Global Contexts. These activities aim to be engaging and relevant to the real world, either historically or in terms of present problems.

Each book contains 6 activities, one for each of the Global Contexts. Each activity contains a Statement of Inquiry, and lists the relevant Key Concept and Related Concepts, as well as the Approaches to Learning skills.

Each activity also contains a series of Factual, Conceptual, and Debatable questions to help guide the unit of work. The activities are also accompanied by the general descriptor and a task-specific descriptor for each of the relevant Assessment Criteria, to help teachers assess the unit of work. Each assessment criteria is addressed at least once within the activities in each book.