

Introduction

Welcome to the Teaching and Learning Resources package for Mathematics for the IB Diploma: Applications and interpretation SL & HL. This package is designed to complement the SL and HL student books for Mathematics for the IB Diploma: Applications and interpretation, providing more in-depth and concept-driven explorations of some of the content prescribed by the IB guide.

It includes the following resources:

- **Course overview:** A spreadsheet listing the conceptual understandings and inquiry questions to be explored in each of the five topics, plus the resources available for each.
- **Suggested orders of teaching:** Lists for both the SL and HL courses, advising the order in which the content should be addressed. They map the content to the corresponding chapter in the student book and list the relevant Teaching and Learning Resources.
- **Concept commentaries:** A document drawing direct parallels between the chapters in the student books and the Teaching and Learning Resources, to help you plan your teaching more effectively.
- **Teaching support and guidance:** Documents for each of the five topics, providing guidance on how best to use the resources provided, mapping each to the corresponding section of the IB guide. These are centred around the inquiry questions and contain ideas for discussions and useful weblinks to help you approach them.
- **Activities:** Tasks designed to provide students with a fuller understanding of the mathematical content studied. For some activities, a separate teacher version, containing solutions, is included.
- **PowerPoints:** In-depth explorations of some of the more difficult ideas and content in the IB guide. Some are designed to provide students with a deeper understanding by walking them through particular proofs or techniques; others seek to provoke their curiosity in real-life applications of mathematics.
- **Worked solutions:** Step-by-step solutions to the exercises (excluding the drill questions) in the student books.