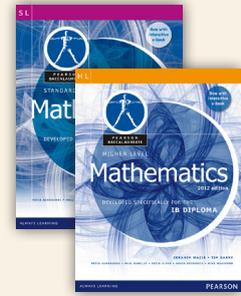




Changes to the SL and HL Mathematics syllabus



What's changing in the new curriculum	How the 2012 editions address these changes
New additions to the syllabus for both Standard and Higher Level.	Full coverage of all topics at both levels, including correlation & regression and integration by substitution at Standard Level and partial fractions, sum and product of roots of polynomial equations at Higher Level.
Detailed changes to existing topics at both Standard and Higher Level.	Updating and revision of all existing content to meet the needs of the new curriculum with topics brought up to date, including algebra, functions and probability & statistics at Standard Level and vectors, probability & statistics and calculus at Higher Level.
Removal of some content from the previous syllabus.	Although the matrices topic has been removed from Standard Level and Higher Level, the matrices chapter remains in both textbooks as optional, but important, mathematical content that teachers may use at their discretion.
Significant changes to all four Higher Level Option Topics.	All HL Options brought 100% in line with the new syllabus requirements, with all changes addressed. These are available online to allow for greater flexibility with updating and ease of access.
New Internal Assessment (IA) for Standard Level and Higher Level involving a single Mathematical Exploration.	Helpful and skilful support for the new IA Mathematical Exploration through a dedicated section in the book, and online support on www.pearsonbacconline.com and on our authors' website, which is continuously updated to promptly address the latest developments. The authors' website will provide timely advice, ideas, and clarifications on policy changes issued by the IB with regard to the new IA program for Mathematics SL and HL.
The new Mathematical Exploration (IA) emphasizes proficient mathematical communication and thoughtful reflection by the student exploring a topic that may include mathematical modeling, investigation or application of their choice in consultation with their teacher.	Comprehensive online support aids teachers in guiding students through the new criteria for the IA and making it an enriching experience. Support will include ideas for possible student Mathematical Explorations, relevant resources, and advice on effectively managing the new IA program.