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Oxford International Primary Maths, Grade 5 Apr 12 2021 'Oxford International Primary Maths' is a complete six-year primary maths course that takes a problem solving approach to learning maths, engaging students in the topics through asking questions that make them think, and activities that encourage them to explore and practise.

Oxford Maths Practice and Mastery Book Year 4 Nov 27 2019 The Oxford Maths Practice and Mastery Books give students more opportunities for practice, consolidation, homework and revision. The Oxford Maths Practice and Mastery Books are an integral part of the Oxford Maths series, which incorporates all the resources that a teachers needs to simply and comprehensively teach the Australian and Victorian Mathematics curricula and the New South Wales Syllabus.SequencingThe Oxford Maths Practice and Mastery Books follow exactly the same sequence of topics as the Oxford Maths Student Books.Each topic features:Practice - activities that allow students to practise concepts and skills from the Independent Practice section of the Oxford Maths Student BookChallenge - activities that allow students to practise concepts and skills from the Extended Practice section of the Oxford Maths Student BookMastery - activities that go beyond the Extended practice section of the Oxford Maths Student Book, and give students the opportunity to apply their learning and problem-solving skills in open-ended, real-world contexts.

Oxford Mathematics Primary Years Programme Practice and Mastery Aug 05 2020 Oxford Mathematics Primary Years Programme supports students in constructing and transferring meaning, and applying skills and knowledge with understanding. Part of the International Baccalaureate (IB) programme, it incorporates an inquiry learning approach, supporting the PYP transdisciplinary themes and skills, and covers the PYP Mathematics scope and sequence.

Oxford International Maths for Cambridge Secondary 1 Student Book 1 Aug 24 2019 Build a firm foundation for success in the Cambridge Checkpoint tests, and ensure your students get the challenge and extension they need to achieve their best in the Cambridge IGCSE. This course matches the new framework and will rigorously prepare students for the strongest achievement at Checkpoint level and beyond.

Oxford Mathematics Primary Years Programme Student Aug 29 2022 Oxford Mathematics Primary Years Programme supports students in constructing and transferring meaning, and applying skills and knowledge with understanding. Part of the International Baccalaureate (IB) programme, it incorporates an inquiry learning approach, supporting the PYP transdisciplinary themes and skills, and covers the PYP Mathematics scope and sequence.

Foundations of Science Mathematics Sep 05 2020 This text spans a large range of mathematics, from basic algebra to calculus and Fourier transforms. Its tutorial style bridges the gap between school and university while its conciseness provides a useful reference for the professional.

Oxford First Book of Maths Nov 19 2021 The Oxford First Book series, with lifesales of 50,000 copies since publication in 1999, is a strong seller. Now with new vibrant covers the series gets a modern look that is perfect for the trade and libraries.The Oxford First Book of Maths provides in-depth coverage of the areas of Maths such as counting, multiplication, and space and shape required by the National Curriculum at KS1. It introduces children of 5 upwards to the vocabulary they need to describe their early maths work and promotesconfidence in discussing the role that maths plays in their everyday lives.Rose Griffiths has a brilliant ability to make mathematical concepts fun. She was a maths and special needs teacher for 15 years and then lectured in primary education at Leicester University with special responsibility for developing primary mathematics teaching.

MYP Mathematics 3 Oct 26 2019 Build solid mathematical understanding and develop meaningful conceptual connections. The inquiry-based approach holistically integrates the MYP key concepts, helping you shift to a concept-based approach and cement comprehension of mathematical principles. Fully comprehensive and matched to the Revised MYP, this resource builds student potential at MYP and lays foundations for cross-curricular understanding. Using a unique question cycle to sequentially build skills and comprehension, units introduce factual questions, followed by concept-based questions and conclude with debatable questions. This firm grounding in inquiry-based learning equips learners to actively explore mathematical concepts and relate them to the wider 21st Century world, strengthening comprehension. Progress your learners into IB Diploma - fully comprehensive and matched to the Revised MYP Develop conceptual understanding in the best way for your learners learn by mathematical unit or by key concept Drive active, critical exp

Oxford Mathematics Primary Years Programme Teacher Jul 24 2019 Oxford Mathematics Primary Years Programme supports students in constructing and transferring meaning, and applying skills and knowledge with understanding. Part of the International Baccalaureate (IB) programme, it incorporates an inquiry learning approach, supporting the PYP transdisciplinary themes and skills, and covers the PYP Mathematics scope and sequence.The Oxford Mathematics Primary Years Programme Teacher Book includes:short pre-assessments to check students' prior understanding and identify point of needprofessional support notes that offer differentiated pathways for support, at standard and extension groupshands-on teaching activities, blackline masters and activity sheets with real-world contextstips on potential difficulties students may encounter when approaching new topicsshort post-assessments to review student learning and measure progressanswers for assessments and activity sheets.

Atoms, Mechanics, and Probability May 02 2020 One of the pillars of modern science, statistical mechanics, owes much to one man, the Austrian physicist Ludwig Boltzmann (1844-1906). As a result of his unusual working and writing styles, his enormous contribution remains little read and poorly understood. The purpose of this book is to make the Boltzmann corpus more accessible to physicists, philosophers, and historians, and so give it new life. The means are introductory biographical and historical materials, detailed and lucid summaries of every relevant publication, and a final chapter of critical synthesis. Special attention is given to Boltzmann's theoretical tool-box and to his patient construction of lofty formal systems even before their full conceptual import could be known. This constructive tendency largely accounts for his lengthy style, for the abundance of new constructions, for the relative vagueness of their object—and for the puzzlement of commentators. This book will help the reader cross the stylistic barrier and see how ingeniously Boltzmann combined atoms, mechanics, and probability to invent new bridges between the micro- and macro-worlds.

Oxford Mathematics Mar 12 2021 Oxford Mathematics Primary Years Programme supports students in constructing and transferring meaning, and applying skills and knowledge with understanding. Part of the International Baccalaureate (IB) programme, it incorporates an inquiry learning approach, supporting the PYP transdisciplinary themes and skills, and covers the PYP Mathematics scope and sequence.The Oxford Mathematics Primary Years Programme Teacher Book includes:short pre-assessments to check students' prior understanding and identify point of needprofessional support notes that offer differentiated pathways for support, at standard and extension groupshands-on teaching activities, blackline masters and activity sheets with real-world contextstips on potential difficulties students may encounter when approaching new topicsshort post-assessments to review student learning and measure progressanswers for assessments and activity sheets.

Oxford International Primary Maths Student Book 1 Dec 09 2020

Oxford Maths Ready Teacher Handbook Year F Sep 25 2019 Building student confidence and bridging the gaps to success Oxford Maths Ready supports mainstream classroom mathematics by offering practical strategies and learning

opportunities for primary students who have fallen behind in maths. It provides insights into the potential difficulties faced by students and ideas to engage them in successful mathematics learning, with a focus on helping them to meet the relevant year level curriculum expectations. This series can be used in conjunction with Oxford Maths for Australian Schools, or as a support to any other whole-school or classroom maths program.The Teacher Handbooks:use a developmental approach to build on students' existing knowledgesupport students to activate their prior knowledge before extending to new concepts and skillsdraw on the sequences of skills identified in the Australian Curriculum: Mathematics and the National Numeracy Learning Progressiongive explicit guidance to help teachers and students focus on key ideas and strategies to enhance mathematical learningfollow a 'gradual release of responsibility' model that encourages students to observe, discuss and engage in hands-on experiences, helping them work towards becoming independent mathematicians.

Oxford Mathematics Primary Years Programme Student Sep 29 2022 Oxford Mathematics Primary Years Programme supports students in constructing and transferring meaning, and applying skills and knowledge with understanding. Part of the International Baccalaureate (IB) programme, it incorporates an inquiry learning approach, supporting the PYP transdisciplinary themes and skills, and covers the PYP Mathematics scope and sequence.

Oxford Mathematics for the Caribbean Book 1 Jul 28 2022 The best-selling series is now in its sixth edition. Written by Maths expert, Nicholas Goldberg, this book has been updated to cover the latest syllabuses and provides extensive worked examples and practice. With a clear, discovery-oriented approach that brings mathematics to life, this series be relied on to develop mathematical skills and build confidence in your students.

Thinking Better: The Art of the Shortcut Jun 22 2019 How do you remember more and forget less? How can you earn more and become more creative just by moving house? And how do you pack a car boot most efficiently? This is your shortcut to the art of the shortcut.

The Oxford Handbook of Philosophy of Mathematics and Logic Jun 14 2021 Covers the state of the art in the philosophy of maths and logic, giving the reader an overview of the major problems, positions, and battle lines. The chapters in this book contain both exposition and criticism as well as substantial development of their own positions. It also includes a bibliography.

Oxford Mathematics for the Caribbean Feb 29 2020

Oxford Mathematics Primary Years Programme Teacher Book 6 May 26 2022 Oxford Mathematics Primary Years Programme supports students in constructing and transferring meaning, and applying skills and knowledge with understanding. Part of the International Baccalaureate (IB) programme, it incorporates an inquiry learning approach, supporting the PYP transdisciplinary themes and skills, and covers the PYP Mathematics scope and sequence.The Oxford Mathematics Primary Years Programme Teacher Book includes:short pre-assessments to check students' prior understanding and identify point of needprofessional support notes that offer differentiated pathways for support, at standard and extension groupshands-on teaching activities, blackline masters and activity sheets with real-world contextstips on potential difficulties students may encounter when approaching new topicsshort post-assessments to review student learning and measure progressanswers for assessments and activity sheets.

The Oxford Handbook of the History of Mathematics Oct 07 2020 This Handbook explores the history of mathematics under a series of themes which raise new questions about what mathematics has been and what it has meant to practise it. It addresses questions of who creates mathematics, who uses it, and how. A broader understanding of mathematical practitioners naturally leads to a new appreciation of what counts as a historical source. Material and oral evidence is drawn upon as well as an unusual array of textual sources. Further, the ways in which people have chosen to express themselves are as historically meaningful as the contents of the mathematics they have produced. Mathematics is not a fixed and unchanging entity. New questions, contexts, and applications all influence what counts as productive ways of thinking. Because the history of mathematics should interact constructively with other ways of studying the past, the contributors to this book come from a diverse range of intellectual backgrounds in anthropology, archaeology, art history, philosophy, and literature, as well as history of mathematics more traditionally understood. The thirty-six self-contained, multifaceted chapters, each written by a specialist, are arranged under three main headings: 'Geographies and Cultures', 'Peoples and Practices', and 'Interactions and Interpretations'. Together they deal with the mathematics of 5000 years, but without privileging the past three centuries, and an impressive range of periods and places with many points of cross-reference between chapters. The key mathematical cultures of North America, Europe, the Middle East, India, and China are all represented here as well as areas which are not often treated in mainstream history of mathematics, such as Russia, the Balkans, Vietnam, and South America. A vital reference for graduates and researchers in mathematics, historians of science, and general historians.

Oxford Mathematics Nov 07 2020 Oxford Mathematics Primary Years Programme supports students in constructing and transferring meaning, and applying skills and knowledge with understanding. Part of the International Baccalaureate (IB) programme, it incorporates an inquiry learning approach, supporting the PYP transdisciplinary themes and skills, and covers the PYP Mathematics scope and sequence.

The Concise Oxford Dictionary of Mathematics Feb 20 2022 This leading dictionary contains over 3,000 clear and concise entries updated in line with curriculum and degree requirements. It covers pure and applied mathematics and statistics, features entry-level web links, and includes detailed appendices. Authoritative and comprehensive, this A-Z is invaluable for students and teachers of mathematics.

Incompressible Fluid Dynamics Jul 04 2020 Incompressible Fluid Dynamics is a textbook for graduate and advanced undergraduate students of engineering, applied mathematics, and geophysics. The text comprises topics that establish the broad conceptual framework of the subject, expose key phenomena, and play an important role in the myriad of applications that exist in both nature and technology. The first half of the book covers topics that include the inviscid equations of Euler and Bernoulli, the Navier-Stokes equation and some of its simpler exact solutions, laminar boundary layers and jets, potential flow theory with its various applications to aerodynamics, the theory of surface gravity waves, and flows with negligible inertia, such as suspensions, lubrication layers, and swimming micro-organisms. The second half is more specialised. Vortex dynamics, which is so essential to many natural phenomena in fluid mechanics, is described in detail. This is followed by chapters on stratified fluids and flows subject to a strong background rotation, both topics being central to our understanding of atmospheric and oceanic flows. Fluid instabilities and the transition to turbulence are also covered, followed by two chapters on fully developed turbulence. The text is largely self-contained, and aims to combine mathematical precision with a breadth of engineering and geophysical applications. Throughout, physical insight is given priority over mathematical detail.

Oxford Primary Maths Dictionary (2008 edition) Feb 08 2021 This best-selling dictionary which contains over 650 up-to-date words and concepts. Each entry is in alphabetical order and along with a clear and straightforward definition, has a fun and informative colour illustration or diagram to help explain the meaning. Cross references link to other useful words in this dictionary so it is easy to build up maths vocabulary quickly. The colourful, modern design and simple layout make it easy to find the word you need, and fully understand it. This is an essential and invaluable tool that demystifies maths and explains terminology and concepts in an accessible way for primary children.

Oxford Maths Practice and Mastery Book Year 5 Sep 17 2021 The Oxford Maths Practice and Mastery Books give students more opportunities for practice, consolidation, homework and revision. The Oxford Maths Practice and Mastery Books are an integral part of the Oxford Maths series, which incorporates all the resources that a teachers needs to simply and comprehensively teach the Australian and Victorian Mathematics curricula and the New South Wales Syllabus.SequencingThe Oxford Maths Practice and Mastery Books follow exactly the same sequence of topics as the Oxford Maths Student Books.Each topic features:Practice - activities that allow students to practise concepts and skills from the Independent Practice section of the Oxford Maths Student BookChallenge - activities that allow students to practise concepts and skills from the Extended Practice section of the Oxford Maths Student BookMastery - activities that go beyond the Extended practice section of the Oxford Maths Student Book, and give students the opportunity to apply their learning and problem-solving skills in open-ended, real-world contexts.

Oxford International Primary Maths Jun 26 2022 'Oxford International Primary Maths' is a complete six-year primary maths course that takes a problem solving approach to learning maths, engaging students in the topics through asking questions that make them think, and activities that encourage them to explore and practise.

Oxford International Primary Maths Second Edition: Practice Book 1: Oxford International Primary Maths Second Edition Practice Book 1 Aug 17 2021 A complete six-year primary Maths course that takes a problem-solving approach to teaching young learners the skills they need to become confident mathematicians.

Oxford Users' Guide to Mathematics Jan 10 2021 The Oxford Users' Guide to Mathematics is one of the leading handbooks on mathematics available. It presents a comprehensive modern picture of mathematics and emphasises the relations between the different branches of mathematics, and the applications of mathematics in engineering and the natural sciences. The Oxford User's Guide covers a broad spectrum of mathematics starting with the basic material and progressing on to more advanced topics that have come to the fore in the last few decades. The book is organised into mathematical sub-disciplines including analysis, algebra, geometry, foundations of mathematics, calculus of variations and optimisation, theory of probability and mathematical statistics, numerical mathematics and scientific computing, and history of mathematics. The book is supplemented by numerous tables on infinite series, special functions, integrals, integral transformations, mathematical statistics, and fundamental constants in physics. It also includes a comprehensive bibliography of key contemporary literature as well as an extensive glossary and index. The wealth of material, reaching across all levels and numerous sub-disciplines, makes The Oxford User's Guide to Mathematics an invaluable reference source for students of engineering, mathematics, computer science, and the natural sciences, as well as teachers, practitioners, and researchers in industry and academia.

The Equations of Materials Jan 28 2020 This primer describes important equations of materials and the scientists who derived them. It provides an excellent introduction to the subject by making the material accessible and enjoyable. The book is dedicated to a number of propositions: 1. The most important equations are often simple and easily explained; 2. The most important equations are often experimental, confirmed time and again; 3. The most important equations have been derived by remarkable scientists who lived interesting lives. Each chapter covers a single equation and materials subject, and is structured in three sections: first, a description of the equation itself; second, a short biography of the scientist after whom it is named; and third, a discussion of some of the ramifications and applications of the equation. The biographical sections intertwine the personal and professional life of the scientist with contemporary political and scientific developments. Topics included are: Bravais lattices and crystals; Bragg's law and diffraction; the Gibbs phase rule and phases; Boltzmann's equation and thermodynamics; the Arrhenius equation and reactions; the Gibbs-Thomson equation and surfaces; Fick's laws and diffusion; the Scheil equation and solidification; the Avrami equation and phase transformations; Hooke's law and elasticity; the Burgers vector and plasticity; Griffith's equation and fracture; and the Fermi level and electrical properties. The book is written for students interested in the manufacture, structure, properties and engineering application of materials such as metals, polymers, ceramics, semiconductors and composites. It requires only a working knowledge of school maths, mainly algebra and simple calculus.

Oxford Mathematics for the Caribbean Book 2 Dec 21 2021 This best-selling series is now in its sixth edition. Written by Maths expert, Nicholas Goldberg, this book has been updated to cover the latest syllabuses and provides extensive worked examples and practice. With a clear discovery-oriented approach that brings mathematics to life, this series can be relied upon to develop mathematical skills and build confidence in your students.

The Concise Oxford Dictionary of Mathematics Oct 31 2022 This dictionary provides clear definitions for over 4,000 pure and applied mathematics terms, including key theories, concepts, methods, people, and terminology. The new edition expands its coverage across a wide range of pure and applied topics, particularly at first- and second-year university levels. It also includes a new historical timeline.

Linear Algebra for the 21st Century Jun 02 2020 Linear Algebra for 21st Century Applications adapts linear algebra to best suit modern teaching and application, and it places SVD as central to the text early on to empower the students in these disciplines to learn and use the best techniques.

Oxford Primary Illustrated Maths Dictionary Dec 29 2019

Oxford Mathematics for the Caribbean Book 3 Apr 24 2022 This best-selling series is now in its sixth edition. Written by Maths expert, Nicholas Goldberg, this book has been updated to cover the latest syllabuses and provides extensive worked examples and practice. With a clear discovery-oriented approach that brings mathematics to life, this series can be relied upon to develop mathematical skills and build confidence in your students.

Oxford Maths Practice and Mastery Book Year 6 Jul 16 2021 The Oxford Maths Practice and Mastery Books give students more opportunities for practice, consolidation, homework and revision. The Oxford Maths Practice and Mastery Books are an integral part of the Oxford Maths series, which incorporates all the resources that a teachers needs to simply and comprehensively teach the Australian and Victorian Mathematics curricula and the New South Wales Syllabus.SequencingThe Oxford Maths Practice and Mastery Books follow exactly the same sequence of topics as the Oxford Maths Student Books.Each topic features:Practice - activities that allow students to practise concepts and skills from the Independent Practice section of the Oxford Maths Student BookChallenge - activities that allow students to practise concepts and skills from the Extended Practice section of the Oxford Maths Student BookMastery - activities that go beyond the Extended practice section of the Oxford Maths Student Book, and give students the opportunity to apply their learning and problem-solving skills in open-ended, real-world contexts.

Oxford Discover Math Mar 24 2022

Oxford Maths Practice and Mastery Book Year 1 May 14 2021 The Oxford Maths Practice and Mastery Books give students more opportunities for practice, consolidation, homework and revision. The Oxford Maths Practice and Mastery Books are an integral part of the Oxford Maths series, which incorporates all the resources that a teachers needs to simply and comprehensively teach the Australian and Victorian Mathematics curricula and the New South Wales Syllabus.SequencingThe Oxford Maths Practice and Mastery Books follow exactly the same sequence of topics as the Oxford Maths Student Books.Each topic features:Practice - activities that allow students to practise concepts and skills from the Independent Practice section of the Oxford Maths Student BookChallenge - activities that allow students to practise concepts and skills from the Extended Practice section of the Oxford Maths Student BookMastery - activities that go beyond the Extended practice section of the Oxford Maths Student Book, and give students the opportunity to apply their learning and problem-solving skills in open-ended, real-world contexts.

Oxford Mathematics Primary Years Programme Student Jan 22 2022 Oxford Mathematics Primary Years Programme supports students in constructing and transferring meaning, and applying skills and knowledge with understanding. Part of the International Baccalaureate (IB) programme, it incorporates an inquiry learning approach, supporting the PYP transdisciplinary themes and skills, and covers the PYP Mathematics scope and sequence.

Oxford Student's Mathematics Dictionary 2020 Oct 19 2021 The Oxford Student's Mathematics Dictionary provides comprehensive revision and exam support to secondary school students. This fully updated new edition has more words to match the new curriculum requirements and the higher vocabulary expectations at GCSE and beyond. Its clear layout and helpful diagrams make it contemporary and easy to use.

Oxford International Primary Maths Second Edition: Student Book 4: Oxford International Primary Maths Second Edition Student Book 4 Mar 31 2020