Teaching Mathematics in the Primary and Middle Years of School includes a rich set of practical pedagogy that will connect readers to the bigger picture of mathematics and show them how to:

- Communicate mathematically
- Feel positive about mathematics and their role in teaching it
- Enter the classroom confident they are equipped with the practical knowledge, skills, strategies and activities to teach maths.

KEY FEATURES

- Unique structure that takes readers through the stages of how students learn maths, and how to teach maths, before drilling down to the specific themes by age group.
- Spans early childhood, primary and middle years (K-9)

A rich selection of features to help readers feel confident about teaching maths:

- **Vignettes**: Short stories at the start of each part and each chapter
- **Big Ideas**: Introduce the main concepts of the chapter and encourage mathematical thinking
- **Consider and Discuss**: Specific tasks/questions/activities
- **Making Connections**: links the big ideas in mathematics to other disciplines, and relevant mathematical learning.
- **Did you know?** Short historical and cultural facts that show math it in the larger context and illustrate why mathematics is viewed and taught in the way it is today.
- **Issues in Teaching**: Discussion of contentious topics.
- **Integrating Technology/ICT**: Suggests uses of software, interactive whiteboards, social networking sites, mobile phones, digital technologies etc…
- **For the Classroom (and you!):** Activities that can be used in the classroom.
- **Communicating Mathematically**: Develops communication skills in mathematics by illustrating conventions, uses of language, materials, symbols diagrams, interaction patterns.
- **Handy Hints**: Practical tips to help prepare lessons with confidence.

### CONTENTS

**Part 1: Thinking Critically about School Mathematics**
1. Understanding School Mathematics
2. Learning Mathematics
3. Teaching Mathematics

**Part 2: Understanding the Challenges and Opportunities**
4. Thinking Mathematically
5. Communication: Making Connections in Mathematics
6. Representations: Materials, Language and Recording
7. Assessing and Reporting
8. Diversity

**Part 3: Exploring the Big Ideas in Mathematics**
9. Numeracy in the Curriculum
10. Developing Number Sense
11. A Sense of Measurement and Geometry
12. Statistics and Probability

**Part 4: Laying the Foundation for K - 4 Mathematics**
13. Pattern and Structure
14. Developing Early Number Ideas and Strategies: Implications for Planning
15. Introducing Place Value
16. Developing Additive Thinking
17. Introducing Multiplicative Thinking
18. Introducing Fractions
19. Developing Measurement Concepts and Strategies
20. Developing Geometric Thinking and Concepts
21. Early Chance and Data

**Part 5: Developing the knowledge needed to teach Mathematics: Extending the foundation to the middle years (5-9)**
22. Extending Number: Fractions, Decimals and Reals
23. Working with Addition, Subtraction and Additive Thinking
24. Working with Multiplication, Division and Proportional Reasoning
25. Algebraic Thinking, Pattern and Order
26. Consolidating Measurement Concepts
27. Geometric Thinking: Shape and Space
28. Interpreting Data: Statistics and Probability

**Part 6: And now it’s your turn**
29. Building on What is Known: Becoming a Professional Teacher
# Order Form

**PLEASE FAX OR MAIL TO OXFORD UNIVERSITY PRESS, AUSTRALIA FREEFAX: 1800 813 602**

**EMAIL: CS.AU@OUP.COM**

Oxford University Press | GPO Box 2784 | MELBOURNE VIC 3001 | ARBN: 007 510 125 | ABN: 29 869 163 236

---

University: ____________________________ Department: ____________________________

Contact: ________________________________

Street Delivery Address*: ________________________________

City: ____________________________ State: ______ Postcode: ______

Phone: ____________________________ Fax: ____________________________

Email: ________________________________

☐ I would like to be added to an email/mailing list to receive information about related Oxford titles.

---

<table>
<thead>
<tr>
<th>TITLE</th>
<th>ISBN</th>
<th>RRP†</th>
<th>DISCOUNTED PRICE*</th>
<th>FIRM ORDER QTY</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching Mathematics</td>
<td>9780195568455</td>
<td>$120.95</td>
<td>$96.75</td>
<td>A$</td>
<td></td>
</tr>
</tbody>
</table>

---

<table>
<thead>
<tr>
<th>SUBTOTAL</th>
<th>A$</th>
</tr>
</thead>
<tbody>
<tr>
<td>HANDLING &amp; FREIGHT</td>
<td>A$12.50 - FREE</td>
</tr>
<tr>
<td>AMOUNT PAYABLE</td>
<td>A$</td>
</tr>
</tbody>
</table>

---

☐ I enclose my cheque for $ ____________________________ (payable to Oxford University Press)

OR

☐ Please charge $ ____________________________ to my credit card: ☐ Visa ☐ Mastercard Expiry Date: ____ / ____ / ____

Signature: ____________________________

---

*These recommended retail prices include GST and are correct at the time of printing and are subject to change without notice. This offer may not be used in conjunction with any other Oxford offers or discounts.

*Exclusive 20% discount with this form only. Offer expires 31st August 2012. Can not be used with any other discounts or offers

*All delivery addresses must be in Australia or New Zealand.

---

Please direct all inspection copy or review inquiries to highered.au@oup.com

---

**CUSTOMER SERVICE PHONE: 1300 650 616 | FAX: 1800 813 602 | EMAIL: CS.AU@OUP.COM | WEB: OUP.COM.AU**