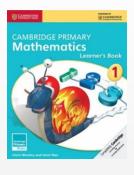
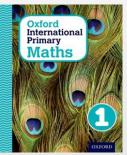
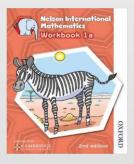


Sultanate of Oman Ministry Of Education Directorate General of Private Schools Department of Private Schools' Programs and Curricula Programs of Private Schools Section









# Approved Maths Series of Bilingual and Cambridge Primary (CP) Programs for Grades 1-6 (2015/2016)

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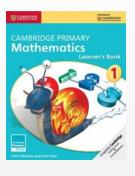
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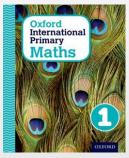
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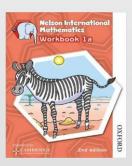
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Sultanate of Oman Ministry Of Education Directorate General of Private Schools Department of Private Schools' Programs and Curricula Programs of Private Schools Section









# Approved Maths Series of Bilingual and Cambridge Primary (CP) Programs for Grades 1-6 (2015/2016)

#### Dear school principals and teachers,

We hope that the forthcoming year 2015/2016 will be a year filled with success and positive progress which ensure the accomplishment of the learning outcomes in private schools. We hereby put the following guiding newsletter in your hands which includes:

- 1. The list of approved math series and teachers' supplementary resources for bilingual and the CP international programs.
- 2. The math yearly scheme of work of the bilingual program from grades 1-6.
- 3. The list of instruments, visual aids and ancillary materials for math from 1-6.
- 4. General guidelines regarding math curriculum for grades 1-6 in the private schools implementing bilingual and CP programs.
- 5. An attachment showing contact details of the publishers providing the approved math series.
- 6. An attachment showing the titles of math series with their ISBN.

# (1) The list of approved math series and supplementary resources for Bilingual & CP Programs

#### A. Private Schools Implementing Bilingual Programs:

First: The list of main course books series

| Name of series   | Publisher                     | Components                   | Notes                      |
|--|-------------------------------|------------------------------|----------------------------|
|  |                               | Learner's Book               |                            |
| Cambridge Primary Mathematics                              | Cambridge<br>University Press | Teacher's Resource with (CD) | Endorsed by (CIE)          |
| Mamemanes Oniversity 1 ress                                |                               | Games Book                   |                            |
|  |                               | Student Workbook             | Digital Resource           |
| Oxford International Oxford Primary Maths University Press |                               | Teacher's Guide              | (In Process of production) |
|  |                               | Digital Resources            | Endorsed by (CIE)          |

#### Second: The new list of teachers' resources

Schools must provide the following series as supplementary and aiding resources:

| Name of series                      | Publisher                  | Components   | Notes                                  |  |
|-------------------------------------|----------------------------|--|--|--|
|                                     |                            | Textbook A,B   |  |  |
| Maths Smart                         | Alston Publishing<br>House | Workbook A,B   | Working with (CIE) towards endorsement |  |
|                                     |                            | Teacher's Guide A,B  |  |  |
|                                     |                            | Workbook (A,B,C for each G 1-2)<br>& (one workbook for each G 3-6) |  |  |
| Nelson International<br>Mathematics | Oxford<br>University Press | Student Book (for 3-6 Only)  | Endorsed by (CIE)                      |  |
| wainematics                         |                            | Teacher's Guide (Online)   |  |  |
| Ready to Go Lessons<br>for Math     | Hodder Education           | Lesson Plans for Cambridge Primary                                 | Endorsed by (CIE)                      |  |

## B. Private Schools Implementing the CP International Program:

First: The new list of main course books series

| Name of series               | Publisher                     | Components  | Notes                      |  |
|------------------------------|-------------------------------|---|----------------------------|--|
| Cambridge                    | Cambridge<br>University Press | Learner's Book  | 1                          |  |
| Primary                      |                               | Teacher's Resource with (CD)                                    | Endorsed by (CIE)          |  |
| Mathematics                  |                               | Games Book  |                            |  |
| Oxford                       |                               | Student Workbook  | Digital Resource           |  |
| International                | Oxford<br>University Press    | Teacher's Guide   | (In Process of production) |  |
| Primary Maths                |                               | Digital Resource  | Endorsed by (CIE)          |  |
| Nelson Oxford                |                               | Workbook (A,B,C for each G 1-2) & (one workbook for each G 3-6) |                            |  |
| International<br>Mathematics | University Press              | Student Book (for 3-6 Only)                                     | Endorsed by (CIE)          |  |
| mainemailes                  |                               | Teacher's Guide (Online)  |                            |  |

## Second: The new list of teachers' resources

Schools must provide the following series as supplementary and aiding resources:

| Name of series                  | Publisher                  | Components                         | Notes                                  |  |
|---------------------------------|----------------------------|------------------------------------|--|--|
|                                 |                            | Textbook A,B                       |  |  |
| Maths Smart                     | Alston Publishing<br>House | Workbook A,B                       | Working with (CIE) towards endorsement |  |
| 110 110                         |                            | Teacher's Guide A,B                |  |  |
| Ready to Go Lessons<br>for Math | Hodder Education           | Lesson Plans for Cambridge Primary | Endorsed by (CIE)                      |  |

# (2) The Math Yearly Scheme of Work of Bilingual Programs (1-6)

#### First: Oxford International Primary Maths:

| Grade | Semester 1  | Semester 2   |
|-------|---|--|
| One   | Unit 1: Numbers & Counting Unit 2: Exploring Numbers Unit 3: Number Pairs Unit 4: Addition Unit 5: Subtraction & Difference Unit 6: Number Patterns                                       | Unit 7: Counting & Estimation  Unit 8: Multiplication & Division  Unit 9: Measures  Unit 10: Shapes  Unit 11: Time  Unit 12: Handling Data |
| Two   | Unit 1: Tens & Ones  Unit 2: Number Patterns & Properties  Unit 3: Number Pairs  Unit 4: Calculating – Addition & Subtraction  Unit 5: Number Families  Unit 6: Multiplication & Division | Unit 7: Parts of a Whole Unit 8: Shapes Everywhere Unit 9: Measurements Unit 10: Geometry Unit 11: Time Unit 12: Handling Data             |
| Three | Unit 1: Number & Place Value Unit 2: Fractions & Decimals Unit 3: Mental Calculation Unit 4: Addition & Subtraction Unit 5: Multiplication & Division                                     | Unit 6: Shapes & Geometry  Unit 7: Position & Movement  Unit 8: Length, Mass & Capacity  Unit 9: Time  Unit 10: Data Handling              |

| Four | Unit 1: Number & Place Value Unit 2: Addition & Subtraction Unit 3: Multiplication Unit 4: Division Unit 5: Fraction  | Unit 6: Decimals & Fraction  Unit 7: Measurement, Area and Perimeter  Unit 8: Time  Unit 9: Shape & Geometry  Unit 10: Position & Movement  Unit 11: Handling Data |
|------|---|--|
| Five | Unit 1: Number & Place Value  Unit 2: Fractions, Decimals, Percentages, Ratio & Proportion  Unit 3: Mental Calculation Strategies  Unit 4: Written Calculation                  | Unit 5: Shape Unit 6: Position & Movement Unit 7: Length, Mass & Capacity Unit 8: Time Unit 9: Perimeter & Area Unit 10: Handling Data                             |
| Six  | Unit 1: Number & Place Value Unit 2: Fractions & Decimals Unit 3: Mental Calculation Unit 4: Addition & Subtraction Unit 5: Multiplication & Division Unit 6: Shapes & Geometry | Unit 7: Position & Movement Unit 8: Length, Mass & Capacity Unit 9: Time Unit 10: Area & Perimeter Unit 11: Handling Data  |

## Second: Cambridge Primary Mathematics

| Grade | Semester 1   | Semester 2  |
|-------|--|---|
| One   | 1A: Number and Problem Solving 1 Counting to ten 2 Playing with ten 1C: Measure and Problem Solving 3 Length 1A: Number and Problem Solving 4 Counting over ten 5 Estimating 1B: Geometry and Problem Solving 6 2D & 3D shapes and patterns 1A: Number and Problem Solving 7 Counting beyond 20 1C: Measure and Problem Solving 8 Capacity (1) 9 Money & time 10 Comparing weight 2A: Number and Problem Solving 11 Odd & even numbers 12 Ordering numbers (1) 13 Combine and take away 14 Ordering numbers (2) 2C: Measure and Problem Solving 15 Money | 16 Ordering length & weight 17 Measuring & estimating capacity (2) 18 Minutes, days & months 2B: Handling Data and Problem Solving 19 Organising, categorising & representing data (1) 3A: Number and Problem Solving 20 Number & the number system: counting in tens 21 Number line, counting on & counting back 22 Doubles & halves 23 Addition & subtraction: number patterns 3C: Measure and Problem Solving 24 Money 25 Comparing length & weight 26 Further estimation & comparing of capacity 27 Telling the time & months of the year 3B: Handling Data and Problem Solving 28 Organising, categorising & representing data (2) |
| Two   | 1A: Number and Problem Solving 1 The 100 square 2 Counting in twos, fives & tens 3 Number line to 100 4 Using a number line 5 Playing with 20 6 Adding & subtracting (1) 7 Multiplication arrays 1B: Geometry and Problem Solving 8 2D shapes, 3D shapes and   | 2C: Measure and Problem Solving 19 Length, height & capacity 20 Capacity, volume & 1 litre 21 Investigating weight, length & time 3A: Number and Problem Solving 22 More doubles 23 Threes & fours 24 Sums & differences 25 Fraction 26 Multiplying & dividing  |

|       | symmetry 1C: Measure and Problem Solving 9 Measuring length 10 Measuring time & distance 11 Measuring weight, time & cost 2A: Number and Problem Solving 12 Tens and ones to 100 13 Estimating 14 Number patterns 15 Adding & subtracting (2) 16 Finding the difference 17 Grouping & sharing 2B: Handling Data and Problem Solving 18 Handling data   | 27 Ordering numbers 3B: Geometry and Problem Solving 28 Tangrams 29 Position & movement 30 2D shapes 3C: Measure and Problem Solving 31 More on length, mass, money and time 32 Passing time & spending money   |
|-------|--|---|
| Three | 1A: Number and Problem Solving 1 Place value (1) 2 Playing with 10 and 100 3 Adding several small numbers 4 Doubling & halving 5 Number pairs 6 Multiples 1B: Geometry and Problem Solving 7 Shapes, shapes & more shapes 8 Symmetry & movement 1C: Measure and Problem Solving 9 Money (1) 10 Time (1) 11 Measures 2A: Number and Problem Solving 12 Place value (2) 13 Estimating & rounding 14 Doubles & halves 15 Addition & subtraction 16 More multiples 2B: Measure and Problem Solving 17 Time (2) 18 Estimating & measuring | 19 Zoo shop & café 2C: Handling Data and Problem Solving 20 Handling data 3A: Number and Problem Solving 21 Number sense 22 Fractions 23 More doubles 24 More addition & subtraction 25 Multiplying & dividing 3B: Geometry and Problem Solving 26 Right angles 27 Symmetry 28 Movement 3C: Measure and Problem Solving 29 Time (3) 30 Money (2) 31 Capacity & length 32 Weight |

|      | 1A: Number and Problem Solving   | 14 2D & 3D shapes  |
|------|--|--|
|      | 1 Numbers & the number system  | 2C: Measure and Problem Solving  |
|      | 2 Addition & subtraction (1)   | 15 Length  |
|      | 3 Multiplication & division (1)  | 16 Time (2)  |
|      | 1B: Measure and Problem Solving  | 17 Area & perimeter (2)  |
|      | 4 Weight   | 3A: Number and Problem Solving   |
|      | 5 Time (1)   | 18 Special numbers   |
|      | 6 Area & perimeter (1)   | 19 Fractions & divisions   |
|      | 1C: Handling data and Problem Solving  | 20 Ration & proportion   |
| Four | 7 Graphs, tables & charts (1)  | 3B: Measure and Problem Solving  |
|      | 8 Carroll & Venn diagrams  | 21 Capacity  |
|      | 2A: Number and Problem Solving   | 22 Time (3)  |
|      | 9 The number system & properties of  | 23 Area & perimeter (3)  |
|      | number   | 3C: Handling Data and Problem Solving  |
|      | 10 Addition & subtraction (2)  | 24 Graphs, tables & charts (2)   |
|      | 11 Multiplication & division (2)   | 25 Venn & Carroll diagrams   |
|      | 2B: Geometry and Problem Solving   |  |
|      | 12 Angles, position & direction  |  |
|      | 13 Symmetry  |  |
|      |  |  |
|      |  |  |
|      | 1A: Number and Problem Solving   | 2B: Handling Data and Problem Solving  |
|      | 1A: Number and Problem Solving 1 The number system (whole  | 2B: Handling Data and Problem Solving 15 Handling data   |
|      |  |  |
|      | 1 The number system (whole   | 15 Handling data   |
|      | 1 The number system (whole numbers)  | 15 Handling data<br>16 Probability   |
|      | 1 The number system (whole numbers) 2 Mental & written strategies for  | 15 Handling data<br>16 Probability<br>17 Line graphs   |
|      | 1 The number system (whole numbers) 2 Mental & written strategies for addition & subtraction   | 15 Handling data<br>16 Probability<br>17 Line graphs<br>18 Finding the mode  |
|      | 1 The number system (whole numbers) 2 Mental & written strategies for addition & subtraction 3 Mental & written strategies for   | 15 Handling data 16 Probability 17 Line graphs 18 Finding the mode 2C: Measure and Problem Solving   |
|      | 1 The number system (whole numbers) 2 Mental & written strategies for addition & subtraction 3 Mental & written strategies for multiplication & division   | 15 Handling data 16 Probability 17 Line graphs 18 Finding the mode 2C: Measure and Problem Solving 19 Length   |
| Five | 1 The number system (whole numbers) 2 Mental & written strategies for addition & subtraction 3 Mental & written strategies for multiplication & division 4 Multiples, square numbers and   | 15 Handling data 16 Probability 17 Line graphs 18 Finding the mode 2C: Measure and Problem Solving 19 Length 20 Time (2)   |
| Five | 1 The number system (whole numbers) 2 Mental & written strategies for addition & subtraction 3 Mental & written strategies for multiplication & division 4 Multiples, square numbers and factors   | 15 Handling data 16 Probability 17 Line graphs 18 Finding the mode 2C: Measure and Problem Solving 19 Length 20 Time (2) 21 Area & perimeter (2)   |
| Five | 1 The number system (whole numbers) 2 Mental & written strategies for addition & subtraction 3 Mental & written strategies for multiplication & division 4 Multiples, square numbers and factors 1B: Geometry and Problem Solving  | 15 Handling data 16 Probability 17 Line graphs 18 Finding the mode 2C: Measure and Problem Solving 19 Length 20 Time (2) 21 Area & perimeter (2) 3A: Number and Problem Solving  |
| Five | 1 The number system (whole numbers) 2 Mental & written strategies for addition & subtraction 3 Mental & written strategies for multiplication & division 4 Multiples, square numbers and factors 1B: Geometry and Problem Solving 5 Shapes and geometric reasoning   | 15 Handling data 16 Probability 17 Line graphs 18 Finding the mode 2C: Measure and Problem Solving 19 Length 20 Time (2) 21 Area & perimeter (2) 3A: Number and Problem Solving 22 Number: mental strategies   |
| Five | 1 The number system (whole numbers) 2 Mental & written strategies for addition & subtraction 3 Mental & written strategies for multiplication & division 4 Multiples, square numbers and factors  1B: Geometry and Problem Solving 5 Shapes and geometric reasoning 6 Position & movement  | 15 Handling data 16 Probability 17 Line graphs 18 Finding the mode 2C: Measure and Problem Solving 19 Length 20 Time (2) 21 Area & perimeter (2) 3A: Number and Problem Solving 22 Number: mental strategies 23 Working with decimals  |
| Five | 1 The number system (whole numbers) 2 Mental & written strategies for addition & subtraction 3 Mental & written strategies for multiplication & division 4 Multiples, square numbers and factors  1B: Geometry and Problem Solving 5 Shapes and geometric reasoning 6 Position & movement  1C: Measure and Problem Solving   | 15 Handling data 16 Probability 17 Line graphs 18 Finding the mode 2C: Measure and Problem Solving 19 Length 20 Time (2) 21 Area & perimeter (2) 3A: Number and Problem Solving 22 Number: mental strategies 23 Working with decimals 24 Fractions, decimals & percentages   |
| Five | 1 The number system (whole numbers) 2 Mental & written strategies for addition & subtraction 3 Mental & written strategies for multiplication & division 4 Multiples, square numbers and factors 1B: Geometry and Problem Solving 5 Shapes and geometric reasoning 6 Position & movement 1C: Measure and Problem Solving 7 Mass  | 15 Handling data 16 Probability 17 Line graphs 18 Finding the mode 2C: Measure and Problem Solving 19 Length 20 Time (2) 21 Area & perimeter (2) 3A: Number and Problem Solving 22 Number: mental strategies 23 Working with decimals 24 Fractions, decimals & percentages 25 Calculation  |
| Five | 1 The number system (whole numbers) 2 Mental & written strategies for addition & subtraction 3 Mental & written strategies for multiplication & division 4 Multiples, square numbers and factors 1B: Geometry and Problem Solving 5 Shapes and geometric reasoning 6 Position & movement 1C: Measure and Problem Solving 7 Mass 8 Time & timetables                        | 15 Handling data 16 Probability 17 Line graphs 18 Finding the mode 2C: Measure and Problem Solving 19 Length 20 Time (2) 21 Area & perimeter (2) 3A: Number and Problem Solving 22 Number: mental strategies 23 Working with decimals 24 Fractions, decimals & percentages 25 Calculation 26 Ratio & proportion                                  |
| Five | 1 The number system (whole numbers) 2 Mental & written strategies for addition & subtraction 3 Mental & written strategies for multiplication & division 4 Multiples, square numbers and factors 1B: Geometry and Problem Solving 5 Shapes and geometric reasoning 6 Position & movement 1C: Measure and Problem Solving 7 Mass 8 Time & timetables 9 Area & perimeter (1) | 15 Handling data 16 Probability 17 Line graphs 18 Finding the mode 2C: Measure and Problem Solving 19 Length 20 Time (2) 21 Area & perimeter (2) 3A: Number and Problem Solving 22 Number: mental strategies 23 Working with decimals 24 Fractions, decimals & percentages 25 Calculation 26 Ratio & proportion 3B: Geometry and Problem Solving |

|     | 11 Decimal numbers 12 Mental strategies 13 Mental & written strategies for addition & subtraction 14 Written methods for multiplication & division   | 29 Position & movement 3C: Measure and Problem Solving 30 Capacity 31 Time (3) 32 Area & perimeter (3)   |
|-----|--|--|
| Six | 1A: Number and Problem Solving 1 The number system (1) 2 Multiples, factors & primes 3 Multiplication & division (1) 4 More on number  1B: Measure and Problem Solving 5 Length 6 Time (1) 7 Area & perimeter (1)  1C: Geometry and Problem Solving 8 2D & 3D shape (1) 9 Angles & triangle 10 Shapes & Geometric reasoning  2A: Number and Problem Solving 11 The number system (2) 12 Decimals 13 Positive & negative numbers 14 Multiples, factors & mental strategies using them 15 Multiplication & division (2) 16 Special numbers  2B: Measure and Problem Solving 17 Mass & capacity 18 Time (2) | 19 Area & parameter (2)  2C: Handling Data and Problem Solving 20 Graphs & charts & tables 21 Statistics  3A: Number and Problem Solving 22 Probability 23 The number system (3) 24 Mental Strategies 25 Addition & subtraction 26 Multiplication & division (3) 27 Fractions 28 Fractions, decimals & percentages 29 Ratio & proportion  3B: Measure and Problem Solving 30 Metric & imperial measures 31 Time (3) 32 Area & perimeter (3)  3C: Geometry and Problem Solving 33 2D & 3D Shape (2) 34 Locating 2D shapes 35 Angles & triangles |

# (3) The List of Required Instruments & Educational Aids in Math For Grades 1-6 in the Bilingual Program

#### First: Oxford International Primary Maths:

| Grade | Basic ancillary materials and visual aids  |
|-------|--|
| One   | Big whiteboard, Mini whiteboards, Whiteboard markers, Colored markers, White A4 & A3 paper, Colored A4 paper, Dotted paper, Squared paper, Card paper, Printers, Photocopier machines, Scissors, Glue, Sticky tape, Sticky notes, Interlocking cubes, Normal cubes, Beads, Omani Play money (coins and notes), Small and big sets of number cards (0-20), Small and big sets of multiples of 10 to 100 cards, Sets of signs (+, -, =), Sets of ordinal number cards (1st - 10th), Sets of dominoes, Dices (1-6) (1-10), Number line for class use (0-10) (0-30) (0-50) (0-100), Large 100-square for class use, Individual 100-squares, Counting sticks for class use, Colored counters, Plastic dishes, Paper plates, Paper cups, Small bags, Plastic trays, Meter Sticks, Mirrors, Jars, Jigsaw pieces, Balloons, Ribbon in different colors, Boxes in different sizes and heights, Drinking straws, Balance scales, Containers in different sizes, Small toy animals, Geoboards, Colored plastic bands, Different sizes and colors of common 2D & 3D shapes, Pattern blocks, Large calendar, Split pins, Large geared clock, Beach balls, Different stickers, PE hoops, Songs CDs-see teacher guide p.49 (Available on YouTube), Digital camera or mobile phone, Picture cards of (morning time, afternoon time, evening time, night time, faces), Labeled cards (old, new, taller, tallest, longer, longest, shorter, shortest, higher, highest, lower, lowest, wider, widest, narrower, narrowest, Saturday, Sunday). |
| Two   | Big whiteboard, Mini whiteboards, Whiteboard markers, Colored markers, White A4 & A3 paper, Colored A4 paper, Squared paper, Lined paper, Card paper, Printers, Photocopier machines, Large 100 square, Individual 100 squares, Sets of large and individual place value cards, Base 10 apparatus, Counters in different colors, Interlocking cubes, Normal cubes, Sets of dominoes, Large card counters, Medium bags, Plastic trays, Pictures of Numbers (door numbers, bus numbers), Sets of multiples of 10 cards from 0 to 100, Sets of 0 to 100 number cards, Large number cards 1 to 10, Large and medium calendars, Labeled cards (1 more, 1 less, 10 more, 10 less), Sets of large and small digit cards (0-9), Large number lines (0-30) or (0-50), Dried beans or pulses, Balance scales, Kitchen scales, Sets of weights, Counting sticks, Calculators, Sticky notes, Ropes, Array cards, Omani Play  |

money (coins and notes), String, Scissors, Glue, Rulers, Jars, Large colored paper shapes, Different sizes and colors of common 2D & 3D shapes, Small and medium clip-art pictures of 3D shapes, Digital camera or mobile phone, Mirrors, Meter sticks, Tape measures, Trundle wheels, Liter jugs, Sets of containers of different shapes and sizes, Food coloring, Plastic cups, Photocopied liter scale, Simple maps of the local area, Picture cards (faces, arrows), Cones, Di, Small blank 10 by 10 grid, Digital timers, Sand timers, Stop watches, Cardboard clocks, Paper plates, Split pins, 'Days of the week' and 'Months of the year' cards, Envelopes, Prepared Vann and Carroll diagrams.

Three

Big whiteboard, Mini whiteboards, Whiteboard markers, Colored markers, White A4 & A3 paper, Colored A4 paper, Card paper, Printers, Photocopier machines, Dried beans or pulses, Rulers, Meter sticks, Sets of large place value cards, Sets of large and small (0-9) digit cards, colored pens, Counting sticks, Large and small empty covered labels for multiuse, Jars, Large copy of fraction wall for display (Student workbook p.20), Four paper pizzas cut into quarters, Cubes, Small sticks (Like lollipop sticks), Craft (or Art) straws, Clay, Small notes with numbers (1-6) written on them, Small bags, Loop cards (Teacher guide p.40), Digital camera or mobile phone, Access to the Internet, Sets of colored cards of common 2D shapes (Including different quadrilaterals, circle and semi-circle), Sets of different 3D shapes, Scissors, Sticky tape, 'Polydron' or other similar 3D modelling equipment, compasses, straws (bend in the middle), Rope, Set squares, Meter rulers, Tape measures, rulers, scales, measuring cylinders, Map of the local area that have a scale, string, A range of different containers, Toy cars that can run easily, Big and small calendars, Analogue clocks, Digital clocks, stop watches, 'Days of the week' and 'Months of the year' cards, Calculators.

Four

Big whiteboard, Mini whiteboards, Whiteboard markers, Colored markers, White A4 & A3 paper, Colored A4 paper, cm-squared paper, Spotty paper, Card paper, Poster papers, Flash cards, Printer machines, Photocopier machines, Base 10 Dienes blocks apparatus, Counting sticks, Set of number cards (0-1000), Set of number cards (0-100), Class and student packs of digit cards (0-10), Class and student sets of tenths cards (from 1/10 to 1), Class and student sets of decimal fraction cards (from 0.1 to 1.0), Class and student sets of fifths cards (from 1/5 to 5/5), Large and small blank covered cards for multiuse, Blank number line, Calculators, Research facilities (Internet and textbooks), Local maps and Atlases, 10-sided and 6-sided die, Colored pencils, Place value chart (Teacher's Guide p.26), Interlocking cubes, Measuring tapes (20 m), Meter sticks, Trundle wheels, Height measure, 100 number square, Tangram sets, Large copy of fraction wall for display (Teacher's Guide p.65), Interlocking building bricks, Modelling clay, Rulers, Omani Play

money (coins and notes), Paperclips, toy cars, Small containers, Electronic weighing measures, Metric masses, Set of different containers(5 liter, 2 liter, 1 liter, 800 ml, 500 ml, 200 ml, 50 ml), sticky notes, String, Wide-necked measuring cylinders, Large test-tubes and test-tubes racks, Newton meters (force meters), Pin boards and rubber bands, Floor plans from estate agents, Analogue clocks, Digital clocks, Stopwatches, Big and small calendars, School bus timetable (or any other timetable), Blank calendars for a given month (see teacher guide p.111), Sets of 'Months of the year' cards, Selection of pictures of beautiful clocks around the world, Sets of 2D and 3D shapes, Geometric construction shapes (such as Polydron), Geoboards, Equilateral triangle shapes(see teacher guide p.119), Straws and joiners (or Blu-Tack), Small mirrors, simple cube-shaped or cuboid-shaped (that can be unfolded), Compasses, angle measurers, Geo-strips and connectors, scissors, Glue, 6-sided and 8-sided dices, Simple plan of a shop floor.

Five

Big whiteboard, Mini whiteboards, Whiteboard markers, Colored markers, Colored pencils, White A5 & A4 & A3 papers, Colored A4 papers, cm-squared papers, Counting sticks or meter rule, Place value charts (see teacher's guide p.3), (0-100) digit cards, Place value grids (see teacher's guide p.5), Colored counters, Scissors, Glue, Interlocking cubes, Rulers, Omani Play money (coins and notes), Pendulum, Stopwatches, Die, Collection of 3D shapes, String, Small mirrors, Sticky tape, Modelling clay, Protractors, A map of the local area with coordination, World map, String, Tape measures, Sets of weighing scales, Measuring jugs/cylinders, Analogue clocks, Collection of time tables, Calendars, Access to the Internet.

Six

Big whiteboard, Mini whiteboards, Whiteboard markers, Colored markers, Colored pencils, White A4 & A3 papers, Colored A4 papers, Squared papers, cm-squared papers, Isometric papers (see teacher's guide p.80), Card papers, Flash cards, Poster papers, Printer machines, Photocopier machines, Meter rules, Rulers, Cuboid containers of different sizes, Calculators, Class and students sets of (0-9) digit cards, Set of large (1-20) number cards, Large and small blank covered cards for multiuse, Large number of colored cubes, Counters of different colors, Die, Mathematical dictionaries, Scissors, Thick string or a rope (cut into 12 m lengths), Modelling clay or Blu-tack, Modelling straws, Different 3D and 2D shapes, Sticky tape, Glue, Interlocking cubes, Large protractor, Paper fasteners, Access to the Internet, Digital camera or mobile phone, Tape measures, Large Cartesian grid, Range of measuring equipment, Trundle wheel, Weighing scales, Measuring jugs, Compasses, Large analogue clock, Large calendar, lollipop sticks, Large map of the world.

## Second: Cambridge Primary Mathematics

| Grade | Basic ancillary materials and visual aids   |
|-------|---|
| One   | Big whiteboard, Whiteboard markers, Colored markers, White A4 & A3 & A2 paper, Squared paper, Colored A4 paper, Card paper, Printers, Photocopier machines, Colored pencils, Scissors, Card papers, Number stories, Rhymes and songs, Large number of different colored counters, Colored straws, Balls, Sticks, Colored cubes, Interlocking cubes, string, Ribbon, Clothes pegs, Sand trays, Paint, Foam, Chalk, Pens, Dough, 30 cm rulers, Omani coins, Different sizes of transparent plastic containers and some of them with lids, Sticky notes, Sticky tape, Different types and sizes and colors of 2D and 3D shapes, Medium and large bags, Transparent bags or boxes, Examples of patterns from everyday life (e.g. wallpaper, fabric, wrapping paper), Sets of dominoes, A long strip (1-100) in a single line, Bucket, Funnel, Jar, Large and small empty covered labels for multiuse, Omani Play money (coins and notes), A large analog clock, Small analog clocks, Different timetables, Balance scales, Tubes, Washing line and pegs, Large calendar, Large 100-square, Sets of Large and small (0-20) cards, Pictures of animals, Colored (1-6) and (1-10) dices, 1-9 Spinner, Different colored toy cars, Toy animals and birds, Colored beads, Modeling clay, Play dough, Plasticine, Buttons, Colored sticky tapes, Glue, Stapler, Corks, Model bricks, Pieces of fabric, Envelops, Strips of ribbon of different lengths and widths, Small pots with lids, Wooden blocks, Building blocks, Sand timers(1,2,3 and 5 mints), PE hoops, Base ten apparatus, Fake cookies, Sunflower seeds, A tray, A picture of an empty shopping basket, Paper clips, Transparent box, Big and small cups, Plastic spoons, Plastic plates, Large jugs, Split pins, Blank face outlines. |

Big whiteboard, Whiteboard markers, Colored markers, Card papers, Printers, Photocopier machines, cm<sup>2</sup> paper, Large 100-square, Large 0 to 100 Number lines marked in tens, Large 0 to 10 Number line, Large Number line showing the tens column including 0 to 100, Scissors, Glue, Glue sticks, White A4 & A3 & A2 paper, Large and small empty covered labels for multiuse, Colored A4 papers, 1 to 100 bead bars, Medium bags, Colored counters, Die, 1-9 Spinner, Cubes, Interlocking cubes, Metre rule, Metre stick, Geoboards, elastic bands, Geostrips, straws, 2D & 3D shapes, sticky tapes, Thick paint and paint brushes, Mirrors, Rulers, Colored pencils, Tape measures, Soft toys, Medium boxes, Two Different containers, Stopwatches, Sand timers, Junk modelling materials, Thread, Balance scales, Analogue clock, Digital clocks, Balls, Plastic dishes, Plastic plates, Plastic cups, Plastic spoons, Plastic bottles, funnels, Transparent jugs of different sizes (.5, 1, 1.5 , 2 liters), eggcups, Pastry boards, Rolling pins, Biscuit cutters, Large and small trays, Omani Play money (coins and notes), Base 10 apparatus, Masking tape, Sticky notes, Russian (Babushka) dolls or set of boxes that fit inside each other, Puppets, Chalk, Reallife examples for patterns (e.g. wallpaper). Big whiteboard, Whiteboard markers, Colored markers, Card paper, Printers, Photocopier machines, cm<sup>2</sup> paper, White A4 & A3 & A2 paper, Graph paper, Large and small empty covered labels for multiuse, Colored A4 paper, Cubes, Interlocking cubes, Large 100 square, Sets of cards up to 900, Base 10 equipment, Colored counters, Scissors, Glue, Stop watches, Dices, 1-9 Spinner, Calculators, Colored pencils, Pens, Sticky tape, Masking tape, 2D shapes, 3D solids, a selection of symmetrical and non-symmetrical shapes, Large and medium bags, Mirrors, Peg board, Pegs, Kaleidoscopes, Skipping **Three** ropes, Plastic plates, Paper plates, Plastic bowls, Plastic bottles, Plastic spoons, Split pins, Modelling clay, Small plant pots, chalk, Omani Play money (coins and notes), Sticky tack, Small tubs, Masking tape, Large and small calendars, Analogue clock, Digital clock, Rulers, Weighing and measuring equipment, Stick pointer, (0-1000) number lines, Staplers, Sticky labels, String, Timers, Stopwatches, Art straws, Different measuring jugs, Large and small blank covered cards for multiuse, Place value apparatus, Spinner, Dominoes, Envelops, Wood sticks, Paint, Paintbrushes, Compasses, Local street map, Measuring cylinders to measure capacities, food colorings, Meter stick, Paper clips, Scales, Ingredients for packing, Internet access. Big whiteboard, Whiteboard markers, Colored markers, Printers, Photocopier machines, (1-9) & (1-6) Die, Dominoes, 3m and 5m sand timers, Base 10 apparatus, cm<sup>2</sup> paper, Four Colored pencils, A4 & A3 & A2 Paper, Card Paper, Transparent papers, Balance scales, Weighing scales (analogue and digital), Large and small analogue clocks, Spring balances, Standard weights, thick elastic bands, Sticky tape, Plastic bags, String, boxes, Large and

small empty covered labels for multiuse, Digital clock, Lollipop sticks, Split pins, Chalk, Straws, Masking tape, Rulers, Scissors, Omani Play money (coins and notes), Calculators, Geoboards, Elastic bands, 2D and 3D shapes, Meter sticks/rules, Tape measures, Different formatted calendars, Interlocking cubes, Counters, Jugs, Food coloring, Measuring cylinders, Measuring spoons, Stopwatches, Envelops, Modelling dough, Hoops, Internet access. Big whiteboard, Whiteboard markers, Colored markers, Printers, Photocopier machines, cm<sup>2</sup> paper, Colored pencils, A5 & A4 & A3 & A2 Paper, Colored paper, Card Paper, Calculators, (1-9)& (1-6) Die, Digital cameras, Paint, Paintbrushes, Split pins, Mirrors, Scissors, Meter sticks/rules, Tape measures, Right-angle checkers, glue, Portable light, Cardboard boxes of different sizes, Counters, Rulers, Wrapping paper with a repeating **Five** pattern, Kilogram analogue and digital weighing scales, Stopwatches, Sticky notes, Medium bags, Domino sets, Large and small analogue clocks, sets of small sticks, Large and small current year calendars, Old calendars, Craft straws, Pipe cleaners, Omani Play money (coins and notes), String, Lidded carton boxes, A set of dominoes, Metronome, Modelling clay, Drawing pins, Planks of wood, Colored cubes, 180 and 360 protractors, Chess sets, 2D & 3D shapes, Sticky tape, Bottles, Measuring cylinders, Large jugs, Trays, Internet access. Big whiteboard, Whiteboard markers, Colored markers, Printers, Photocopier machines, cm<sup>2</sup> paper, Colored pencils, A5 & A4 & A3 & A2 Paper, Card Paper, Colored paper, (1-9)& (1-6) Die, Tape measures, Meter sticks, Rulers, Sticky notes, Large and small analogue clocks, Digital clock, Calendars for the current year, Drinking straws, Rulers, Scissors, Six String, Skipping ropes, Modelling dough, Modelling clay, Sticky tape, Protractors, Measuring jugs, Unmarked containers, Weighing scales, Mixing bowl, Paint flour, Torch, World Atlases, A globe, Calculators, Colored cubes, Medium bags, Paint, Paintbrushes, Paint charts, Graph paper, Envelopes, Colored balls, Tracing paper, Internet access.

#### (4) General guidelines

# Instructions Private schools must select and apply the approved series in this newsletter according to the implemented programs in schools. *If schools are interested in familiarizing their staffs with the approved list for (2014-2015) before* purchasing, then they are welcomed to visit the Department of Private Schools' Programs and Curriculum at the Directorate General of Private Schools in Ruwi during the working hours (9:00 AM-1:00 PM) from mid of May until end of July 2015. Schools should provide all of the series components according to the numbers of students and Series selection and providing teachers. Schools should order enough quantities of the series for their teachers and students with all their components at least two months prior the beginning of academic year and schools are responsible for any late delivery of their orders. Schools must provide original copies of the selected series by ordering them from the publishing house or from their authorized distributors in Oman or outside Oman. All schools should respect the intellectual property and the copyrights of all publishers and publications. Photocopying series and placing orders from unauthorized distributors are both not allowed. These actions are considered illegal actions which violate International Series copyright laws and will lead to filing court cases against schools. Pupils' copies are their possessions which belong to them and schools have no right to take students' books from them at the end of the academic year. The books should not be reused for the following year by other students. Schools must understand that students' books and students' files can be great resources for their learning in following years.

| Teaching aids                  | ■ Schools must provide teaching aids and ancillary materials which are prescribed in this newsletter. They also should provide photocopying worksheets for teachers when needed by providing papers, photocopiers and other items as implementing these series require such processes.   |
|--------------------------------|--|
| Outcomes                       | <ul> <li>Teachers must adhere to the learning outcomes of the recent approved series during the two semesters in each academic year. This must be done according to the "General Framework of the Annual Plans" in this newsletter which is directed to schools implementing the bilingual program.</li> <li>Teachers must adhere to the learning outcomes of Cambridge Primary Program for grades (1-6) in schools which implement the international program (CP).</li> </ul> |
| Teachers' Supportive Resources | ■ "Teachers' Supplementary Resources" are those materials which assist teaching and learning. Schools should provide them for their teachers to offer students extra-curricular activities, various questions and new teaching ideas. These resources can help the teachers in implementing the main series, preparing worksheets and writing exams papers (with the consideration of copyright issues).   |
| Training                       | • Schools are requested to allow their teachers to attend training courses and workshops if they receive an invitation from the Ministry or from the publishing house of the selected series.  |

- Specialists in the department encourage schools to send their feedback regarding the approved series, whether these are print errors or suggestions from teachers as well as administrator. Such processes make it easy for the department to handle any problem in this regard.
- Any school purchasing a series from the new approved list should fill out the form and send it back before end of Sep 2015.

| Name of school - Branch:                          |  |
|---|--|
| Governorate:                                      |  |
| Telephone:  |  |
| Email:  |  |
| Program's category (Bilingual/Cambridge Primary): |  |
| Name of the selected series:                      |  |
| Number of the teachers who teach the series:      |  |
| Total number pupils in grades 1-6:                |  |

The data are necessary to contact schools regarding teachers' training programs and forming a database in the Department.

❖ For communication and sending of required data:

Tauhid Bilal Al-Khaburi

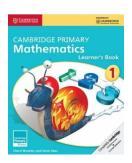
E-mail: Alkhaburi\_t@hotmail.com

# (5) Contact details of the publishers

| Publisher                  | Contact with Publishing House  Coordinator                                  | Name of the series                  |
|----------------------------|---|-------------------------------------|
| Cambridge University Press | Mr. Fahed Al-Hussaini "Regional Director" <u>falhussaini@cambridge.org</u>  | Cambridge Primary<br>Mathematics    |
| Oxford University Press    | Ms. Sumbella Khan "Educational Consultant" sumbella.Khan@oup.com            | Oxford International Primary Maths  |
|                            |   | Nelson International<br>Mathematics |
| Hodder Education           | Mr. Rasheed Ali Khan<br>"Educational Representative"<br><u>edu@ipsme.ae</u> | Ready to Go Lessons for<br>Maths    |
| Alston Publishing House    | Mr. Sim Wee Chee "Publisher" weechee@alstonpublishinghouse.com              | Maths Smart                         |

# (6) Components' titles of math series with their (ISBNs)

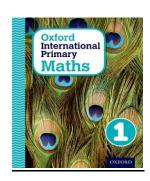
## "Cambridge Primary Mathematics"



| ISBN          | For Students   |
|---------------|--|
| 9781107631311 | Cambridge Primary Mathematics Stage 1 Learner's Book |
| 9781107615823 | Cambridge Primary Mathematics Stage 2 Learner's Book |
| 9781107667679 | Cambridge Primary Mathematics Stage 3 Learner's Book |
| 9781107662698 | Cambridge Primary Mathematics Stage 4 Learner's Book |
| 9781107638228 | Cambridge Primary Mathematics Stage 5 Learner's Book |
| 9781107618596 | Cambridge Primary Mathematics Stage 6 Learner's Book |

| ISBN          | For Teachers   |
|---------------|--|
| 9781107656833 | Cambridge Primary Mathematics Stage 1 Teacher's Resource with CD-ROM |
| 9781107646407 | Cambridge Primary Mathematics Stage 1 Games Book with CD-ROM         |
| 9781107640733 | Cambridge Primary Mathematics Stage 2 Teacher's Resource with CD-ROM |
| 9781107623491 | Cambridge Primary Mathematics Stage 2 Games Book with CD-ROM         |
| 9781107668898 | Cambridge Primary Mathematics Stage 3 Teacher's Resource with CD-ROM |
| 9781107694019 | Cambridge Primary Mathematics Stage 3 Games Book with CD-ROM         |
| 9781107692947 | Cambridge Primary Mathematics Stage 4 Teacher's Resource with CD-ROM |
| 9781107685420 | Cambridge Primary Mathematics Stage 4 Games Book with CD-ROM         |
| 9781107658547 | Cambridge Primary Mathematics Stage 5 Teacher's Resource with CD-ROM |
| 9781107614741 | Cambridge Primary Mathematics Stage 5 Games Book with CD-ROM         |
| 9781107694361 | Cambridge Primary Mathematics Stage 6 Teacher's Resource with CD-ROM |
| 9781107667815 | Cambridge Primary Mathematics Stage 6 Games Book with CD-ROM         |

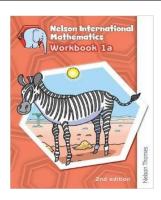
## "Oxford International Primary Maths"



| ISBN          | For Students   |
|---------------|--|
| 9780198394594 | Oxford International Primary Maths: Stage 1: Age 5-6: Student Workbook 1   |
| 9780198394600 | Oxford International Primary Maths: Stage 1: Age 6-7: Student Workbook 2   |
| 9780198394617 | Oxford International Primary Maths: Stage 1: Age 7-8: Student Workbook 3   |
| 9780198394624 | Oxford International Primary Maths: Stage 1: Age 8-9: Student Workbook 4   |
| 9780198394631 | Oxford International Primary Maths: Stage 1: Age 9-10: Student Workbook 5  |
| 9780198394648 | Oxford International Primary Maths: Stage 1: Age 10-11: Student Workbook 6 |

| ISBN          | For Teachers   |
|---------------|--|
| 9780198394655 | Oxford International Primary Maths: Stage 1: Age 5-6: Teacher's Guide 1  |
| 9780198394662 | Oxford International Primary Maths: Stage 2: Age 6-7: Teacher's Guide 2  |
| 9780198394679 | Oxford International Primary Maths: Stage 3: Age 7-8: Teacher's Guide 3  |
| 9780198394686 | Oxford International Primary Maths: Stage 4: Age 8-9: Teacher's Guide 4  |
| 9780198394693 | Oxford International Primary Maths: Stage 5: Age 9-10: Teacher's Guide 5 |
| 9780198394709 | Oxford International Primary Maths: Stage 6: Age10-11: Teacher's Guide 6 |

#### "Nelson International Mathematics"

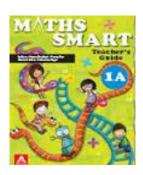


| ISBN          | For Students                                     |
|---------------|--|
| 9781408518915 | Nelson International Mathematics Workbook 1A     |
| 9781408518922 | Nelson International Mathematics Workbook 1B     |
| 9781408518939 | Nelson International Mathematics Workbook 1C     |
| 9781408518946 | Nelson International Mathematics Workbook 2A     |
| 9781408518953 | Nelson International Mathematics Workbook 2B     |
| 9781408518960 | Nelson International Mathematics Workbook 2C     |
| 9781408519028 | Nelson International Mathematics Students Book 3 |
| 9781408518977 | Nelson International Mathematics Workbook 3      |
| 9781408519035 | Nelson International Mathematics Students Book 4 |
| 9781408518984 | Nelson International Mathematics Workbook 4      |
| 9781408519042 | Nelson International Mathematics Students Book 5 |
| 9781408518991 | Nelson International Mathematics Workbook 5      |
| 9781408519059 | Nelson International Mathematics Students Book 6 |
| 9781408519004 | Nelson International Mathematics Workbook 6      |

#### For Teachers online resources:

 $\underline{https://global.oup.com/education/content/primary/series/international-}\\ \underline{maths/?region=international\&numResultsPerPage=50\&view=ProductList\&sortfield=rel}\\ \underline{evance\&start=50}$ 

## "Maths Smart"

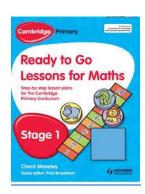


| ISBN          | For Students             |
|---------------|--------------------------|
| 9789814321242 | Maths Smart: Textbook 1A |
| 9789814321259 | Maths Smart: Workbook 1A |
| 9789814321273 | Maths Smart: Textbook 1B |
| 9789814321280 | Maths Smart: Workbook 1B |
| 9789814321303 | Maths Smart: Textbook 2A |
| 9789814321310 | Maths Smart: Workbook 2A |
| 9789814321334 | Maths Smart: Textbook 2B |
| 9789814321341 | Maths Smart: Workbook 2B |
| 9789814321365 | Maths Smart: Textbook 3A |
| 9789814321372 | Maths Smart: Workbook 3A |
| 9789814321396 | Maths Smart: Textbook 3B |
| 9789814321402 | Maths Smart: Workbook 3B |
| 9789814321426 | Maths Smart: Textbook 4A |
| 9789814321433 | Maths Smart: Workbook 4A |
| 9789814321457 | Maths Smart: Textbook 4B |
| 9789814321464 | Maths Smart: Workbook 4B |
| 9789814321488 | Maths Smart: Textbook 5A |
| 9789814321495 | Maths Smart: Workbook 5A |
| 9789814321518 | Maths Smart: Textbook 5B |

| 9789814321525 | Maths Smart: Workbook 5B |
|---------------|--------------------------|
| 9789814321549 | Maths Smart: Textbook 6A |
| 9789814321556 | Maths Smart: Workbook 6A |
| 9789814321570 | Maths Smart: Textbook 6B |
| 9789814321587 | Maths Smart: Workbook 6B |

| ISBN          | For Teachers                    |
|---------------|---------------------------------|
| 9789814321266 | Maths Smart: Teacher's Guide 1A |
| 9789814321297 | Maths Smart: Teacher's Guide 1B |
| 9789814321327 | Maths Smart: Teacher's Guide 2A |
| 9789814321358 | Maths Smart: Teacher's Guide 2B |
| 9789814321389 | Maths Smart: Teacher's Guide 3A |
| 9789814321419 | Maths Smart: Teacher's Guide 3B |
| 9789814321440 | Maths Smart: Teacher's Guide 4A |
| 9789814321471 | Maths Smart: Teacher's Guide 4B |
| 9789814321501 | Maths Smart: Teacher's Guide 5A |
| 9789814321532 | Maths Smart: Teacher's Guide 5B |
| 9789814321563 | Maths Smart: Teacher's Guide 6A |
| 9789814321594 | Maths Smart: Teacher's Guide 6B |

## "Ready to Go Lessons for Maths"



| ISBN          | For Teachers                           |
|---------------|--|
| 9781444177602 | Ready to Go Lessons for Maths: Stage 1 |
| 9781444177596 | Ready to Go Lessons for Maths: Stage 2 |
| 9781444177589 | Ready to Go Lessons for Maths: Stage 3 |
| 9781444177619 | Ready to Go Lessons for Maths: Stage 4 |
| 9781444177626 | Ready to Go Lessons for Maths: Stage 5 |
| 9781444177633 | Ready to Go Lessons for Maths: Stage 6 |