

Newsletter

Subject: Mathematics

Educational Programme:

- Bilingual
- Cambridge Primary

Grades: 1-6

Academic Year: 2016/2017

General Supervision

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Programs and Curricula
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HOD - Private Schools' Programs

List Approving and Newsletter Writing

Tauhid Bilal Khamis Al-Khaburia
Maths Curriculum Officer

نشرة توجيهية

المادة: الرياضيات

البرنامج التعليمي:

- ثنائي اللغة

- Cambridge Primary

الصفوف: ٦-١

العالم الدراسي: ٢٠١٧/٢٠١٦

الإشراف العام

سهام بنت أحمد الريامية
مديرة دائرة برامج ومناهج المدارس الخاصة

الإشراف الفني

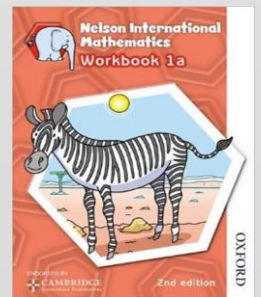
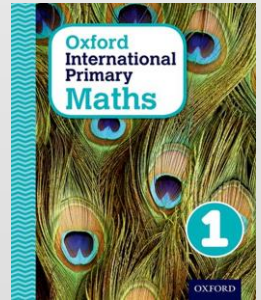
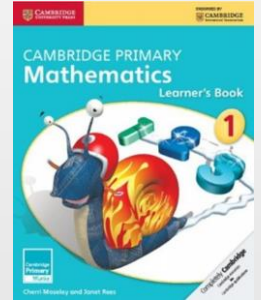
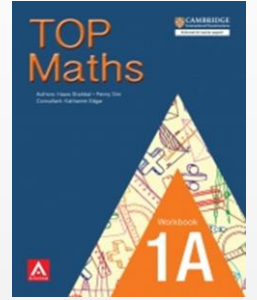
أمينة بنت علي بن عيسى الفارسية
رئيسة قسم برامج المدارس الخاصة

اعتماد السلاسل وإعداد النشرة التوجيهية

توحيد بنت بلال بن خميس الخابورية
عضو مناهج تعليمية - رياضيات



سلطنة عمان
وزارة التربية والتعليم
المديرية العامة للمدارس الخاصة
دائرة برامج ومناهج المدارس الخاصة
قسم برامج المدارس الخاصة



الفهرس

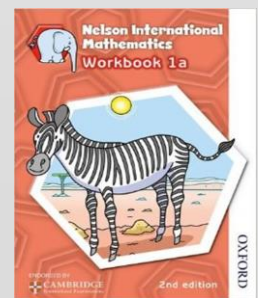
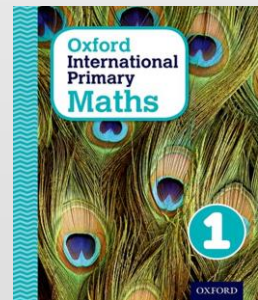
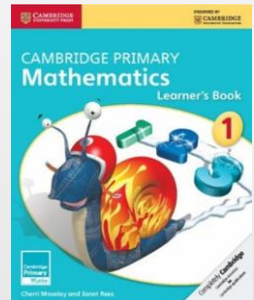
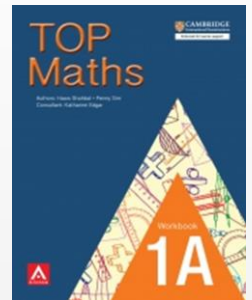
الصفحة	الموضوع
٣	توجيهات عامة
٩	قائمة السلاسل الأساسية المعتمدة لمادة الرياضيات (٦-١)
١٥	قائمة المصادر الداعمة لمعلم الرياضيات (٦-١)
١٦	الإطار العام للخطط السنوية لمادة الرياضيات لبرنامج ثنائي اللغة (٦-١)

Index

Title	Pages
General Guidelines	6
The List of Approved Math Series (1-6)	9
The List of Teachers' Supplementary Resources (1-6)	15
The General Framework of the Annual Plans of Math Subject of the Bilingual Program (1-6)	16



سلطنة عمان
وزارة التربية والتعليم
المديرية العامة للمدارس الخاصة
دائرة برامج ومناهج المدارس الخاصة
قسم برامج المدارس الخاصة



توجيهات عامة

التعليمات	
<p>١ . على المدارس الخاصة المطبقة للبرنامج ثنائي اللغة أو البرنامج الدولي (CP) أن تلتزم باختيار وتطبيق السلاسل التعليمية الأساسية المعتمدة من قبل الدائرة في هذه النشرة .</p> <p>٢ . للمدارس التي تود استبدال سلسلة معتمدة في هذه النشرة التوجيهية بسلسلة أخرى معتمدة، يفضل أن تبدأ تطبيق السلسلة الجديدة بشكل تدريجي بدءاً من الصف الأول في العام الدراسي ٢٠١٦/٢٠١٧م، وتستكمل تطبيق السلسلة السابقة في باقي الصفوف (٢-٦)، وتدرج في الاستبدال في الأعوام الدراسية القادمة تباعاً .</p> <p>٣ . على المدرسة أن تلتزم بتوفير جميع مكونات السلسلة المختارة، بالنسبة لكل طالب ولكل معلم .</p> <p>٤ . عند اختيار المدرسة الخاصة لسلسلة أساسية معينة للتطبيق، على المدرسة أن تلتزم بتوفير نسخ كافية من السلاسل التعليمية الأساسية لطلابها ومعلميها قبل وقت كافٍ من بداية العام الدراسي .</p> <p>٥ . على المدرسة أن تلتزم بتوفير نسخ أصلية من السلاسل التعليمية التي تم اختيارها للتطبيق .</p> <p>٦ . مكونات السلسلة التي تخص الطالب ملك للطالب، لا يجوز للمدرسة أن تقوم باستردادها نهاية العام لإعادة استخدامها لطالب آخر في عام دراسي لاحق .</p> <p>٧ . توجد لبعض السلاسل المعتمدة في هذه النشرة مكونات إضافية غير إلزامية، مثل كتب المراجعة، ومصادر داعمة للتقييم المستمر والتقييم الختامي، وكتب بناء المهارات لدى الطلاب، وكتب التحدي للطلاب المتميزين، ووسائل تعليمية رقمية وغيرها من المصادر الإثرائية للمناهج الدراسية، للمدرسة الاطلاع عليها من خلال مواقع دور النشر ولها الحرية في توفيرها للمعلمين ولأولياء الأمور وللطلبة لدعم تطبيق المناهج بشكل أفضل .</p>	اختيار وتوفير السلاسل التعليمية الأساسية
<p>١ . على المدرسة الخاصة أن تلتزم بتوفير الوسائل التعليمية المذكورة في أدلة المعلم للسلسلة الأساسية التي قامت المدرسة باختيارها، وتسهيل عملية نسخ أوراق العمل بالنسبة للمعلم، وذلك بتوفير الأوراق وآلات التصوير وأجهزة الحاسب الآلي وأجهزة العرض وغيرها من المستلزمات، إذ أن السلاسل التعليمية المعتمدة تتطلب ذلك لتنفيذها بالصورة المطلوبة .</p> <p>٢ . على المعلم أن يقوم بتفعيل الدروس المتعلقة بالنقود باستبدال العملة الأجنبية بالعملة العمانية، وعمل نماذج للفئات النقدية المختلفة .</p>	الوسائل التعليمية

الأهداف	<p>١ . ضرورة التزام المعلمين في المدارس المطبقة للبرنامج ثنائي اللغة بتحقيق الأهداف الواردة في السلاسل التعليمية المعتمدة حديثاً خلال الفصلين الدراسيين الأول والثاني في كل صف دراسي، بناءً على الوحدات المحددة في بند " الإطار العام للخطة السنوية لمادة الرياضيات لبرنامج ثنائي اللغة (٦-١) " من هذه النشرة (انظر الفهرس) .</p> <p>٢ . ضرورة التزام المعلمين في المدارس المطبقة لبرنامج <i>Cambridge Primary (CP)</i> بتطبيق أهداف البرنامج الدولي في المرحلة (٦-١) .</p>
المصادر المساعدة للمعلم	<p>١ . "المصادر المساعدة للمعلم " ويعنى بها: السلاسل التعليمية والمصادر التي تدعم المعلم، وهي حق لكل معلم على المدرسة أن تقوم بتوفير نسخة واحدة على الأقل من كل سلسلة معتمدة في المدرسة، تكمن أهميتها في توفير أنشطة إضافية وأسئلة متنوعة، وأفكار تدريسية بديلة يمكن الاستعانة بها لتحقيق أهداف السلسلة الأساسية، وعند إعداد أوراق العمل الإضافية للطلاب، وعند إعداد مختلف أنواع الاختبارات، وغيرها من أوجه الاستفادة، مع الحرص على عدم نسخ محتوياتها إن لم تكن من المصادر المصممة للنسخ بدون الحصول على إذن رسمي من دار النشر المعنية بالسلسلة .</p>

١. يأمل المختصون في قسم برامج المدارس الخاصة أن تقوم المدارس الخاصة بإرسال أية ملاحظات أو أخطاء مطبعية أو مقترحات من قبل المعلمين أو الإدارات حول السلاسل التعليمية الأساسية المعتمدة حتى يتسنى لأعضاء المناهج بالقسم المذكور الإلمام بها، وعلاج أية إشكاليات تتعلق بهذا الجانب.

٢. جميع المدارس المطبقة لأحد البرنامجين (ثنائي ٦-١ / CP)، يرجى منها تعبئة الجدول الآتي وإرساله قبل نهاية شهر سبتمبر ٢٠١٦م:

اسم المدرسة - الفرع:	
المحافظة:	
الهاتف:	
البريد الإلكتروني:	
نوع البرنامج (ثنائي / CP):	
أعلى صف في المرحلة (٦-١):	
اسم السلسلة المختارة:	
عدد المعلمين المعنيين بتدريس السلسلة:	
مجموع عدد الطلاب في الصفوف (٦-١):	

❖ لإرسال البيانات المطلوبة أعلاه وللتواصل بشأن المادة:

الفاضلة/ توحيد بنت بلال الخابورية

البريد الإلكتروني / Alkhaburi_t@hotmail.com

General Guidelines

	Instructions
Series Selection and Providing	<ol style="list-style-type: none"> 1. Private schools which implement the Bilingual Program or (CP) Program must select and apply the approved series in this newsletter. 2. For those schools how want to replace their approved series with another approved series, it is preferred to start replacing it with the new one starting from grade one only in the academic year 2016/2017 and continue the replacement of grades (2-6) later year by year. 3. Schools should provide all of the series components for students and teachers. 4. Schools should order enough quantities of the series for their teachers and students at least two months prior the beginning of the academic year and schools are responsible for any late delivery of their orders. 5. 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. 6. 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. 7. For some approved series, there are extra new materials available such as revision guides, continuous assessment recourses, skills builder booklets, challenging booklets, Digital Resource and more. All schools are recommended to visit the publishing houses' websites and provide extra recourses for students, teachers and parents.

Teaching Aids	<ol style="list-style-type: none"> 1. Schools must provide teaching aids and ancillary materials which are prescribed in the chosen series. They also should provide papers, photocopiers, laptops, projectors and other items as implementing these series require such processes. 2. Teachers should activate lessons related to money by replacing the foreign currency with Omani currency. They have also to provide Omani play money (coins and notes).
Outcomes	<ol style="list-style-type: none"> 1. 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 at schools implementing the bilingual program (see index). 2. Teachers must adhere to the learning outcomes of Cambridge Primary Program for grades (1-6) in schools which implement the international program Cambridge Primary (CP).
Teachers' Support Resources	<ol style="list-style-type: none"> 1. “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).

1. 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 administrators. Such processes make it easy for the department to handle any problem in this regard.
2. All school should fill out the form and send it back before end of Sep 2016.

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-Khaburia

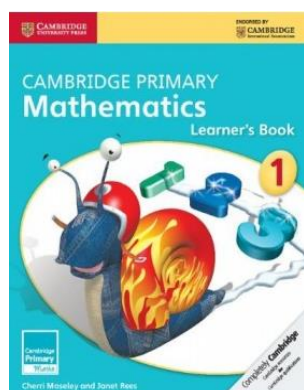
E-mail: Alkhaburi_t@hotmail.com

قائمة السلاسل التعليمية الأساسية المعتمدة (٦-١)

The List of Approved Math Series (1-6)

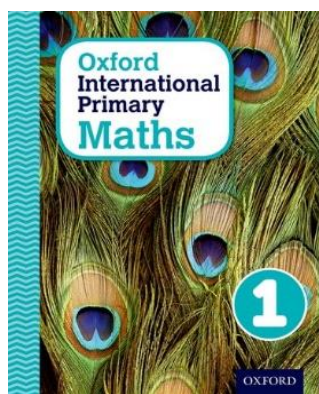
Name of series	Publisher	Components	Notes
Cambridge Primary Mathematics	Cambridge University Press	Learner's Book	Endorsed by (CIE) Extra recourses available Please visit the website
		Teacher's Resource with (CD)	
		Games Book	
Oxford International Primary Maths	Oxford University Press	Student Workbook	Endorsed by (CIE) Extra recourses available Please visit the website
		Workbook (New)	
		Teacher's Guide	
Nelson International Mathematics (2 nd edition)	Oxford University Press	Workbook (A,B,C for 1-2) & (for 3-6)	Endorsed by (CIE) Extra recourses available Please visit the website
		Student Book (for 3-6 Only)	
		Teacher's Guide (Online)	
Top Maths	Alston Publishing House	Textbook (A&B)	Endorsed by (CIE) New series (2016)
		Workbook (A&B)	
		Teacher's Guide (A&B)	

1. Cambridge Primary Mathematics



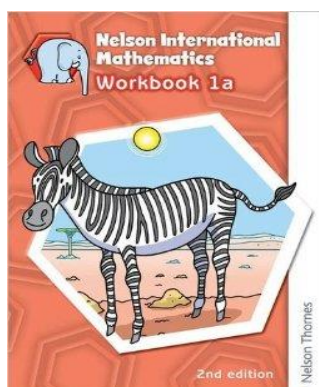
Grade	Component	ISBN	Notes
1	Cambridge Primary Mathematics Stage 1 Learner's Book	9781107631311	For student
	Cambridge Primary Mathematics Stage 1 Teacher's Resource with CD-ROM	9781107656833	For teacher
	Cambridge Primary Mathematics Stage 1 Games Book with CD-ROM	9781107646407	For teacher
2	Cambridge Primary Mathematics Stage 2 Learner's Book	9781107615823	For student
	Cambridge Primary Mathematics Stage 2 Teacher's Resource with CD-ROM	9781107640733	For teacher
	Cambridge Primary Mathematics Stage 2 Games Book with CD-ROM	9781107623491	For teacher
3	Cambridge Primary Mathematics Stage 3 Learner's Book	9781107667679	For student
	Cambridge Primary Mathematics Stage 3 Teacher's Resource with CD-ROM	9781107668898	For teacher
	Cambridge Primary Mathematics Stage 3 Games Book with CD-ROM	9781107694019	For teacher
4	Cambridge Primary Mathematics Stage 4 Learner's Book	9781107662698	For student
	Cambridge Primary Mathematics Stage 4 Teacher's Resource with CD-ROM	9781107692947	For teacher
	Cambridge Primary Mathematics Stage 4 Games Book with CD-ROM	9781107685420	For teacher
5	Cambridge Primary Mathematics Stage 5 Learner's Book	9781107638228	For student
	Cambridge Primary Mathematics Stage 5 Teacher's Resource with CD-ROM	9781107658547	For teacher
	Cambridge Primary Mathematics Stage 5 Games Book with CD-ROM	9781107614741	For teacher
6	Cambridge Primary Mathematics Stage 6 Learner's Book	9781107618596	For student
	Cambridge Primary Mathematics Stage 6 Teacher's Resource with CD-ROM	9781107694361	For teacher
	Cambridge Primary Mathematics Stage 6 Games Book with CD-ROM	9781107667815	For teacher

2. Oxford International Primary Maths



Grade	Component	ISBN	Notes
1	Oxford International Primary Maths: Student Workbook 1	9780198394594	For student
	Oxford International Primary Maths: Workbook 1	9780198365266	For student
	Oxford International Primary Maths: Teacher's Guide 1	9780198394655	For teacher
2	Oxford International Primary Maths: Student Workbook 2	9780198394600	For student
	Oxford International Primary Maths: Workbook 2	9780198365273	For student
	Oxford International Primary Maths: Teacher's Guide 2	9780198394662	For teacher
3	Oxford International Primary Maths: Student Workbook 3	9780198394617	For student
	Oxford International Primary Maths: Workbook 3	9780198365280	For student
	Oxford International Primary Maths: Teacher's Guide 3	9780198394679	For teacher
4	Oxford International Primary Maths: Student Workbook 4	9780198394624	For student
	Oxford International Primary Maths: Workbook 4	9780198365297	For student
	Oxford International Primary Maths: Teacher's Guide 4	9780198394686	For teacher
5	Oxford International Primary Maths: Student Workbook 5	9780198394631	For student
	Oxford International Primary Maths: Workbook 5	9780198365303	For student
	Oxford International Primary Maths: Teacher's Guide 5	9780198394693	For teacher
6	Oxford International Primary Maths: Student Workbook 6	9780198394648	For student
	Oxford International Primary Maths: Workbook 6	9780198365310	For student
	Oxford International Primary Maths: Teacher's Guide 6	9780198394709	For teacher

3. Nelson International Mathematics 2nd edition



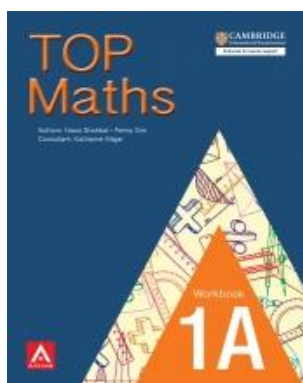
Grade	Component	ISBN	Notes
1	Nelson International Mathematics Workbook 1A	9781408518915	For student
	Nelson International Mathematics Workbook 1B	9781408518922	For student
	Nelson International Mathematics Workbook 1C	9781408518939	For student
2	Nelson International Mathematics Workbook 2A	9781408518946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

أدلة المعلمين (على شبكة الإنترنت):

Teacher resources (Online):

<https://global.oup.com/education/content/primary/series/international-maths/?region=international&numResultsPerPage=50&view=ProductList&sortfield=relevance&start=50>

4. TOP Maths



Grade	Component	ISBN	Notes
1	TOP Maths: Textbook 1A	9789814437899	For student
	TOP Maths: Workbook 1A	9789814437950	For student
	TOP Maths: Teacher's Guide 1A	9789814573016	For teacher
	TOP Maths: Textbook 1B	9789814573078	For student
	TOP Maths: Workbook 1B	9789814573139	For student
	TOP Maths: Teacher's Guide 1B	9789814573184	For teacher
2	TOP Maths: Textbook 2A	9789814437905	For student
	TOP Maths: Workbook 2A	9789814437967	For student
	TOP Maths: Teacher's Guide 2A	9789814573023	For teacher
	TOP Maths: Textbook 2B	9789814573085	For student
	TOP Maths: Workbook 2B	9789814573146	For student
	TOP Maths: Teacher's Guide 2B	9789814573191	For teacher
3	TOP Maths: Textbook 3A	9789814437912	For student
	TOP Maths: Workbook 3A	9789814437974	For student
	TOP Maths: Teacher's Guide 3A	9789814573030	For teacher
	TOP Maths: Textbook 3B	9789814573092	For student
	TOP Maths: Workbook 3B	9789814573153	For student
	TOP Maths: Teacher's Guide 3B	9789814573207	For teacher

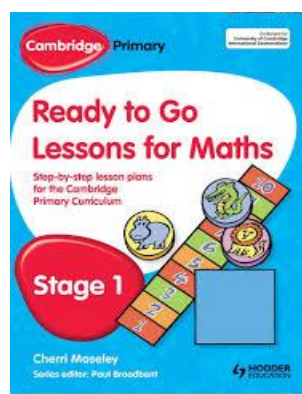
TOP Maths cont.

Grade	Component	ISBN	Notes
4	TOP Maths: Textbook 4A	9789814437929	For student
	TOP Maths: Workbook 4A	9789814437981	For student
	TOP Maths: Teacher's Guide 4A	9789814573047	For teacher
	TOP Maths: Textbook 4B	9789814573108	For student
	TOP Maths: Workbook 4B	9789814573160	For student
	TOP Maths: Teacher's Guide 4B	9789814573214	For teacher
5	TOP Maths: Textbook 5A	9789814437936	For student
	TOP Maths: Workbook 5A	9789814437998	For student
	TOP Maths: Teacher's Guide 5A	9789814573221	For teacher
	TOP Maths: Textbook 5B	9789814573115	For student
	TOP Maths: Workbook 5B	9789814573177	For student
	TOP Maths: Teacher's Guide 5B	9789814573054	For teacher
6	TOP Maths: Textbook 6A	9789814437943	For student
	TOP Maths: Workbook 6A	9789814573009	For student
	TOP Maths: Teacher's Guide 6A	9789814573061	For teacher
	TOP Maths: Textbook 6B	9789814573122	For student
	TOP Maths: Workbook 6B	9789814573399	For student
	TOP Maths: Teacher's Guide 6B	9789814573238	For teacher

قائمة المصادر الداعمة لمعلم مادة الرياضيات (٦-١)

The List of Teachers' Supplementary Resources (1-6)

Name of the series	ISBN	Notes
Ready to Go Lessons for Maths	Hodder Education	Endorsed by (CIE)
بالإضافة إلى نسخة واحدة لسلسلة من الجدول السابق والتي لم تختارها المدرسة كسلسلة أساسية		
In addition to a copy of at least one unselected series from first table (of main series)		

"Ready to Go Lessons for Maths"

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

الإطار العام للخطة السنوية لمادة الرياضيات لبرنامج ثنائي اللغة (٦-١)

The General Framework of the Annual Plans of Math Subject of the Bilingual Program (1-6)

1. 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)

Grade	Semester 1	Semester 2
Two	<p>1A: Number and Problem Solving</p> <p>1 The 100 square</p> <p>2 Counting in twos, fives & tens</p> <p>3 Number line to 100</p> <p>4 Using a number line</p> <p>5 Playing with 20</p> <p>6 Adding & subtracting (1)</p> <p>7 Multiplication arrays</p> <p>1B: Geometry and Problem Solving</p> <p>8 2D shapes, 3D shapes and symmetry</p> <p>1C: Measure and Problem Solving</p> <p>9 Measuring length</p> <p>10 Measuring time & distance</p> <p>11 Measuring weight, time & cost</p> <p>2A: Number and Problem Solving</p> <p>12 Tens and ones to 100</p> <p>13 Estimating</p> <p>14 Number patterns</p> <p>15 Adding & subtracting (2)</p> <p>16 Finding the difference</p> <p>17 Grouping & sharing</p> <p>2B: Handling Data and Problem Solving</p> <p>18 Handling data</p>	<p>2C: Measure and Problem Solving</p> <p>19 Length, height & capacity</p> <p>20 Capacity, volume & 1 litre</p> <p>21 Investigating weight, length & time</p> <p>3A: Number and Problem Solving</p> <p>22 More doubles</p> <p>23 Threes & fours</p> <p>24 Sums & differences</p> <p>25 Fraction</p> <p>26 Multiplying & dividing</p> <p>27 Ordering numbers</p> <p>3B: Geometry and Problem Solving</p> <p>28 Tangrams</p> <p>29 Position & movement</p> <p>30 2D shapes</p> <p>3C: Measure and Problem Solving</p> <p>31 More on length, mass, money and time</p> <p>32 Passing time & spending money</p>

Grade	Semester 1	Semester 2
Three	<p>1A: Number and Problem Solving</p> <p>1 Place value (1)</p> <p>2 Playing with 10 and 100</p> <p>3 Adding several small numbers</p> <p>4 Doubling & halving</p> <p>5 Number pairs</p> <p>6 Multiples</p> <p>1B: Geometry and Problem Solving</p> <p>7 Shapes, shapes & more shapes</p> <p>8 Symmetry & movement</p> <p>1C: Measure and Problem Solving</p> <p>9 Money (1)</p> <p>10 Time (1)</p> <p>11 Measures</p> <p>2A: Number and Problem Solving</p> <p>12 Place value (2)</p> <p>13 Estimating & rounding</p> <p>14 Doubles & halves</p> <p>15 Addition & subtraction</p> <p>16 More multiples</p> <p>2B: Measure and Problem Solving</p> <p>17 Time (2)</p> <p>18 Estimating & measuring</p>	<p>19 Zoo shop & café</p> <p>2C: Handling Data and Problem Solving</p> <p>20 Handling data</p> <p>3A: Number and Problem Solving</p> <p>21 Number sense</p> <p>22 Fractions</p> <p>23 More doubles</p> <p>24 More addition & subtraction</p> <p>25 Multiplying & dividing</p> <p>3B: Geometry and Problem Solving</p> <p>26 Right angles</p> <p>27 Symmetry</p> <p>28 Movement</p> <p>3C: Measure and Problem Solving</p> <p>29 Time (3)</p> <p>30 Money (2)</p> <p>31 Capacity & length</p> <p>32 Weight</p>

Grade	Semester 1	Semester 2
Four	1A: Number and Problem Solving 1 Numbers & the number system 2 Addition & subtraction (1) 3 Multiplication & division (1) 1B: Measure and Problem Solving 4 Weight 5 Time (1) 6 Area & perimeter (1) 1C: Handling data and Problem Solving 7 Graphs, tables & charts (1) 8 Carroll & Venn diagrams 2A: Number and Problem Solving 9 The number system & properties of number 10 Addition & subtraction (2) 11 Multiplication & division (2) 2B: Geometry and Problem Solving 12 Angles, position & direction 13 Symmetry	14 2D & 3D shapes 2C: Measure and Problem Solving 15 Length 16 Time (2) 17 Area & perimeter (2) 3A: Number and Problem Solving 18 Special numbers 19 Fractions & divisions 20 Ration & proportion 3B: Measure and Problem Solving 21 Capacity 22 Time (3) 23 Area & perimeter (3) 3C: Handling Data and Problem Solving 24 Graphs, tables & charts (2) 25 Venn & Carroll diagrams

Grade	Semester 1	Semester 2
Five	<p>1A: Number and Problem Solving</p> <p>1 The number system (whole numbers)</p> <p>2 Mental & written strategies for addition & subtraction</p> <p>3 Mental & written strategies for multiplication & division</p> <p>4 Multiples, square numbers and factors</p> <p>1B: Geometry and Problem Solving</p> <p>5 Shapes and geometric reasoning</p> <p>6 Position & movement</p> <p>1C: Measure and Problem Solving</p> <p>7 Mass</p> <p>8 Time & timetables</p> <p>9 Area & perimeter (1)</p> <p>2A: Number and Problem Solving</p> <p>10 Number & number sequences</p> <p>11 Decimal numbers</p> <p>12 Mental strategies</p> <p>13 Mental & written strategies for addition & subtraction</p> <p>14 Written methods for multiplication & division</p>	<p>2B: Handling Data and Problem Solving</p> <p>15 Handling data</p> <p>16 Probability</p> <p>17 Line graphs</p> <p>18 Finding the mode</p> <p>2C: Measure and Problem Solving</p> <p>19 Length</p> <p>20 Time (2)</p> <p>21 Area & perimeter (2)</p> <p>3A: Number and Problem Solving</p> <p>22 Number: mental strategies</p> <p>23 Working with decimals</p> <p>24 Fractions, decimals & percentages</p> <p>25 Calculation</p> <p>26 Ratio & proportion</p> <p>3B: Geometry and Problem Solving</p> <p>27 Angles</p> <p>28 Shapes & geometric reasoning (2)</p> <p>29 Position & movement</p> <p>3C: Measure and Problem Solving</p> <p>30 Capacity</p> <p>31 Time (3)</p> <p>32 Area & perimeter (3)</p>

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

2. 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

Grade	Semester 1	Semester 2
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

3. Nelson International Mathematics

Grade	Semester 1	Semester 2
One	<p>(1a) Measurement: length, capacity Number: count to 10, write numerals, order numbers Shape and space: 2D shapes, patterns, sort shapes Number: ordinal numbers Data: sort data, tables, Vann diagrams Number: count to 20, order, add</p> <p>(1b) Number: count, order, place value, estimate Measurement: weight, informal units Number: add, number pairs, subtract Measurement: time, order events, units Number: subtract, difference Measurement: capacity, informal units</p>	<p>(1b) Number: add, subtract, make 10 Shape and space: solids, match, sort Number: double, nearly double</p> <p>(1c) Number: count, count in twos, odd and even, compare, order Measurement: time, hours, days, months Number: place value, count in tens, multiples Shape and space: direction, position Number: add, addition strategies Shape and space: 2D shapes, 3D shapes, sort shapes Number: add, pairs that make 10, addition strategies Measurement: money, coins, totals Shape and space: half a shape, line symmetry Measurement: time, time on the hour Number: find half, share equally Data: tables, lists, diagrams Number: addition and subtraction facts, solve problems Data: pictograms, block graphs</p>

Grade	Semester 1	Semester 2
Two	<p><u>(2a)</u> Revising numbers and place value Addition and subtraction Data handling Multiplication as repeated addition Making equal groups (division) 3D shapes More work with numbers 2D shapes Skip counting Measurement: weight Place value and rounding Measurement: length Data handling <u>(2b)</u> Halves and quarters Counting to 100 Units of time Place value to 100 Position and movement Counting patterns Telling and measuring time Division</p>	<p><u>(2b)</u> Multiplication Position and movement Adding sets of numbers Adding multiples of 10 Doubling and halving <u>(2c)</u> Addition 3D shapes Subtraction 2D shapes Division Position and movement Money Symmetry More adding and multiplying More measurement Number problems Data handling</p>

Grade	Semester 1	Semester 2
Three	Revising place value to 100 Place value to 1000 Making three-digit numbers Spot the mistake Number lines Ordering numbers Comparing numbers Recognizing 3D shapes Faces, edges and vertices Investigating 3D shapes Nets of cubes Counting on and back More counting Missing numbers Counting patterns to 1000 Revising 2D shapes Naming 2D shapes Investigating 2D shapes Symmetry Adding and subtraction facts Addition and subtraction problems Addition and subtraction patterns Making 100 Adding several small numbers Calculating mentally Meters Estimate and measure in meters Measuring in centimeters Measure the paths The nearest centimeter Rounding to ten Rounding to the nearest 100 Estimate and count Estimate by counting in groups Time in minutes Telling and showing time	Revise dividing into groups Division facts Division with some left over Use number line to divide Dividing bigger numbers Multiplication and division problems Reading tables Vann diagrams Carroll diagrams Writing fractions More fractions Equivalent fractions Half of an amount Finding fractions of amounts Making fractions Measuring capacity Liters and milliliters Reading scales Capacity problems Doubling numbers Ten more, ten less Add or subtract multiples of 10 and 100 More adding More subtracting Rounding and estimating Adding bigger numbers Making right angles Investigation angles Writing money amounts Making 100 Money problems Clockwise and anti-clockwise Position on a grid Mixed numbers Showing mixed numbers on a number line Favorite flavors

Grade	Semester 1	Semester 2
	Estimating time Calendars and dates Calendar problems Revise multiplication and division Tables, $\times 2$, $\times 5$ and $\times 10$ Recognizing multiples The $\times 3$ table Multiplying by 4 Weighing in kilograms Kilograms and grams Reading Scales Working with weights	Reading a bar chart Sandwich survey Multiplying by 10 Multiply 'teens' numbers Doubling and halving Halving and odd number

Grade	Semester 1	Semester 2
Four	Revising place value Place value to thousands Working with larger numbers Comparing and ordering numbers Compare and order using $<$ and $>$ More ordering and comparing numbers Rounding to the nearest 10 Rounding to the nearest 100 Revising 2D shapes Investigating polygons Pinboard investigations More about quadrilaterals Investigating rectangles Analogue time Time: a.m. and p.m. Digital time Make your own sliding digital clock Using a calendar Timetables Decimal notation Decimal place value Counting in tenths Decimals and fractions More decimals Comparing decimals Gymnastics scores Metric units of length Reading and writing lengths Liters and milliliters Mixing amounts Using liquids Which is best? Reading measuring scales Counting on and back Adding or subtracting groups of 10s,	Negative numbers Reading a thermometer One day in winter Fractions Fractions of shapes Fractions of a number Comparing fractions Equivalent fractions Compare and order equivalent fractions Fractions and decimals Mixed numbers Real-life problems Position on a grid Compass direction Finding your way Mental strategies for adding Estimating Counting on and back to subtract More subtraction strategies Working with bigger numbers More adding and subtracting Coded subtractions Fruit and nut problems Perimeter Area More area Odd and even numbers Zig-zag number track Number patterning Multiples Angles Compare and order angles Revise multiplication facts Multiplying tens Multiply bigger numbers by 10 Multiply by 100

Grade	Semester 1	Semester 2
	100s and 1000s Making 100 Pairs of numbers that make 100 Revising adding facts Adding numbers by making 10 or 20 Adding multiples of 10 Symmetry Symmetry in polygons Symmetry around us Organizing data Frequency tables A typical day Who uses the shop? More bar charts Reading a pictogram More pictograms Drawing pictograms Revising repeating addition and subtraction Revising the $2\times$, $3\times$, $5\times$, and $10\times$ tables The $4\times$ table The $6\times$ and $9\times$ tables How many ways? Multiplication grids Code breakers Division facts Revising 3D shapes Naming 3D shapes Solids and their nets Is it a cuboid? Is it a pyramid?	Doubling Halving Multiplying a 2-digit numbers by a one digit number Multiplication problems Vann diagrams Carroll diagrams Sorting data into three groups Sorting data into three groups (continued) Using Carroll diagrams to sort data A database: big cats Using a database More sorting Division by sharing Division by repeated subtraction More dividing Rounding answers after division Dividing by 10 and 100 Divide or multiply? Ration and proportion Ratio and proportion problems Classroom proportion

Grade	Semester 1	Semester 2
Five	Whole number in figure and words Numbers beyond 9999 Comparing numbers More ordering and comparing numbers Rounding to the nearest 10 or 100 Rounding to the nearest 1000 Adding and subtracting lots of numbers Inverse operations Order of operations Working in order Three-digit target numbers Revising polygons Line symmetry Symmetry patterns Rotational symmetry Rotating squares Different triangles Classifying triangles The 24-hour clock Reading timetables How long did it take? Races and records Athletics records Days, weeks, months and years Place value to tenths and hundredths Reading and writing decimal fraction Comparing decimals Rounding decimals to the nearest whole number More decimals Length Mass Capacity Measuring scales Reading measuring scales Measuring and drawing lines More measuring and drawing Counting in steps Counting on to add	Review of fractions Equivalent fractions Improper fractions and mixed numbers Changing improper fractions to mixed numbers Find the fraction Perimeter More perimeter Finding the area of rectangles Using the formula Multiplying by 10 and 100 What happens when you divide by 10 or 100? Multiplying tens and hundreds Doubling and halving Using factors to multiply Multiplying by 19 or 21 Multiplying by 25 Reflections Translations More translations Pairs of decimals that make 1 More pairs of decimals that make 1 Making 10s Doubling and halving decimals Adding and subtracting decimals Frequency tables Frequency tables with groups Bar-line graphs More bar-line graphs Line graphs More line graphs Making sense of line graphs Favorite meals – healthy meals? Revise division facts More division Dividing with a remainder Can you divide the remainder? What will you do with the remainder?

Grade	Semester 1	Semester 2
	Counting on and back to subtract Rounding numbers to add and subtract Find the pairs Addition and subtraction problems Position on a grid Position on maps Multiplication and division facts More multiplication and division facts Multiples Multiple problems Square numbers Factors More factors Fun with factors Divisibility rules Seedling sale How many words per day Adventure camp activities Show choices on a pictogram The mode What do you watch? Positive and negative numbers Comparing positive and negative numbers Temperature changes Number sequences More number sequences Odd and even numbers Parallel lines Perpendicular lines Measuring angles accurately Drawing angles Classifying angles Angles on a straight line	More division Division problems Shapes and nets Matching shapes to their nets Making shapes and cuboids Comparing amounts Comparing parts to the whole set More about ratios Fractions and ratios School ratios Mixing paint Percentages Percentages, decimals and fractions Finding Percentages of an amount Express fractions as percentages More equivalent fractions How likely? Likely and unlikely events Good chance, poor chance Revising multiplication Multiplying bigger numbers Multiplying by two-digit numbers Other methods of multiplication Practice multiplying Multiplying decimals More multiplying decimals Decimals problems Mixed operations More mixed operations Brain power

Grad	Semester 1	Semester 2
Six	Revising place value Comparing and ordering numbers Rounding numbers Revising place value to hundredths Numbers below 0 Temperature differences Days, weeks, month and years Working with calendars Revising time More about 24-hour time Different time in different places Revising 3D shapes Properties of 3D shapes 3D shapes and their nets Investigate different nets Revising addition and subtraction facts Adding whole numbers More addition Subtracting whole numbers More subtraction Multiplication facts Further multiplication facts Multiplying by 10, 100 and 1000 Multiplication More multiplication Dividing whole numbers Multiplication and division problem Rules of divisibility Using the divisibility rules Units of measurement Choosing unit Changing form one unit to another Working with units of length Working with kilometers More converting units Other measuring systems Revising fractions Mixed number and improper fractions Changing fractions from one type to another Equivalent fractions	More about multiplies Factors Prime numbers Prime factors Multiplication by multiplies by 10 Multiplying pairs of multiples of 10 and 100 Multiplying by near multiples of 10 Division by multiples of 10 Mixed calculations Measuring and drawing angles Calculating the size of angles Missing angles Angles in a triangle Calculating angles in triangles Angles of rotation Percentages Percentages, fractions and decimals More conversions Finding percentages of amounts More percentages of amounts Dealing with discounts Working with money Checking calculator addition More money calculations Fast food Paying by mass How much does it weight? Describing probability What is chance? More probability Revising co-ordinates Extending the grid Co-ordinates and quadrants Reflections Translations Finding the matching shapes Revising mental strategies for division Division- remainders with fractions Division by repeated subtraction Division- rounding the reminder

Grad	Semester 1	Semester 2
	<p>Making equivalent fractions Comparing and ordering fractions Comparing and ordering mixed numbers Place value to thousandths Comparing and ordering decimals Rounding decimals More rounding Sorting data Grouped data More grouped data Graphs from tables Line graphs More line graphs Unusual graphs More unusual graphs Multiplying and dividing decimals by 10 and 100 More operations with 10 and 100 Extending multiplication and division facts to decimals Comparing common fractions and decimals Repeating decimals Adding and subtracting decimals More addition and subtraction of decimals Calculating with decimals Doubling and halving decimals amounts Mixed decimal problems Revising 2D shapes Triangles and their properties Properties of quadrilaterals Naming quadrilaterals Special parallelograms More about quadrilaterals Identifying and drawing shapes Perimeter More Perimeter</p>	<p>Rounding to estimate answers Multiplying larger numbers Multiplication by two digit numbers Multiplication and division problems Ratio Working with ratios Proportion Ratio and proportion problems Investigating multiplication Properties of multiplication Using the properties of multiplication Combining multiplication and addition Making sense of bar graphs Making sense of line graphs Working with data The median The mean Shape patterns Finding the rules patterns Number machines More number machines Number patterns Patterns of odd and even numbers Number sequences Calculating periods of time More calculations involving of time Timetables Revising area Area of combined shapes Estimating area using a grid More estimating area Area problems Revise division with reminders Long division More division Dividing decimals Division problems Mixed calculations Mixed problems</p>

4. Top Maths

Grade	Semester 1	Semester 2
One	Chapter 1: Numbers from 0 to 20 Chapter 2: More about Numbers Chapter 3: Shapes and Solids Chapter 4: Addition and Subtraction Chapter 5: Position and Movements Chapter 6: Doubles and Tens	Chapter 7: Money Chapter 8: Length Chapter 9: Mass Chapter 10: Capacity Chapter 11: Time Chapter 12: Handling Data
Two	Chapter 1: Numbers to 100 Chapter 2: More about Numbers Chapter 3: Shapes and Solids Chapter 4: Halves and Quarters Chapter 5: Addition and Subtraction Chapter 6: Position and Movement Chapter 7: Multiplication and Division	Chapter 8: Mental Skills Chapter 9: Money Chapter 10: Length Chapter 11: Mass Chapter 12: Capacity Chapter 13: Time Chapter 14: Handling Data
Three	Chapter 1: Numbers to 1000 Chapter 2: More about Numbers Chapter 3: Shapes and Solids Chapter 4: Addition and Subtraction Chapter 5: Position and Movement Chapter 6: Angles Chapter 7: Multiplication and Division	Chapter 8: Mental Skills Chapter 9: Fractions Chapter 10: Money Chapter 11: Length Chapter 12: Mass Chapter 13: Capacity Chapter 14: Time Chapter 15: Handling Data
Four	Chapter 1: Numbers to 10000 Chapter 2: More about Numbers Chapter 3: Shapes and Solids Chapter 4: Addition and Subtraction Chapter 5: Multiplication and Division Chapter 6: Position and Movement	Chapter 7: Mental Skills Chapter 8: Fractions Chapter 9: Decimals Chapter 10: Measurements Chapter 11: Time Chapter 14: Area and Perimeter Chapter 13: Handling Data

Grade	Semester 1	Semester 2
Five	Chapter 1: Whole Numbers Chapter 2: Shapes and Lines Chapter 3: Decimals Chapter 4: Fractions Chapter 5: Ratio Chapter 6: Mental Skills	Chapter 7: Angles Chapter 8: Position and Movement Chapter 9: Measurements Chapter 10: Percentage Chapter 11: Time Chapter 12: Area and Perimeter Chapter 13: Handling Data Chapter 14: Probability
Six	Chapter 1: Whole Numbers Chapter 2: Fractions Chapter 3: Mental Skills Chapter 4: Decimals Chapter 5: Ratio Chapter 6: Percentage	Chapter 7: Shapes, Solids and Angles Chapter 8: Position and Movement Chapter 9: Measurement Chapter 10: Time Chapter 11: Area and Perimeter Chapter 12: Handling Data Chapter 13: Probability