



TeeJay Maths

National Curriculum

Course Planner - Year 2

Part A

To help schools develop their courses, TeeJay Publishers has produced a **Course Planner** for the **National Curriculum Year 2**.

This **Planner** from TeeJay provides substance to what the content of each level includes, and gives an indication as to what is required at that level, with some basic examples where necessary.

It provides the basis of a course based on TeeJay's **Year 2 Books 2A** and **2B** and includes a final column which will allow planners to list practical activities, ICT Resources and specific methodologies. (*These can be typed into the boxes provided*).

The Planner comes in 2 parts.

Part A lists all the National Curriculum Outcomes in order as listed in the official document.

Part B lists the chapters from TeeJay's **Year 2 Books 2A** and **2B** in the order we recommend schools should follow.

Note :-

- All of the work for the **National Curriculum (Year 2)** comes from our **TeeJay Maths Year 2 Books 2A** and **2B**.
- TeeJay suggests that it would be preferable to progress through the books (*in the order of your choice*) and use this document as a checklist to make sure that the work of the Year 2 Curriculum has been covered.
- At the beginning of the **Year 2 Book 2A**, there is a **Chapter 0** which revises and consolidates all the work completed in **Year 1**.
- Each book contains a set of answers for all the exercises. This allows for pupil self checking or for peer marking.
- At the end of each Chapter of each book is a "**Revisit-Review-Revise**" assessment. These could be used as diagnostic tools either before starting or after completing a topic.
- Each of our books can be supplemented by using our **Homework Packs**.
- The course is also supplemented and supported by **TeeJay's Year 2 Assessment/Diagnostics Pack**. (Assessments are listed in purple).

Outcome	Curricular Content	Yr Bk 2a	Yr Bk 2b	Further Notes
<p>Number and Place Value (ACMNA026 - ACMNA032)</p>	<p>Pupils should be taught to :</p> <ul style="list-style-type: none"> Investigate number sequences, initially those increasing and decreasing by twos, threes, fives and ten from any starting point, then moving to other sequences. (ACMNA026) 	<p><u>Ch 1</u> 8-17 <u>Ch 6</u> 50-55 <u>Ch 11</u> 87-92</p>	<p><u>Ch 1</u> 1-6</p>	
	<ul style="list-style-type: none"> Recognise, model, represent and order numbers to at least 1000. (ACMNA027) 	<p><u>Ch 1</u> 8-17</p>	<p><u>Ch 12</u> 80-87</p>	
	<ul style="list-style-type: none"> Group, partition and rearrange collections up to 1000 in hundreds, tens and ones to facilitate more efficient counting. (ACMNA028) 	<p><u>Ch 1</u> 8-17</p>	<p><u>Ch 12</u> 80-87</p>	
	<ul style="list-style-type: none"> Explore the connection between addition and subtraction. (ACMNA029) 	<p><u>Ch 2</u> 19-26 <u>Ch 4</u> 36-42</p>		
	<ul style="list-style-type: none"> Solve simple addition and subtraction problems using a range of efficient mental and written strategies. (ACMNA030) 	<p><u>Ch 2</u> 19-26 <u>Ch 4</u> 36-42 <u>Ch 8</u> 62-68 <u>Ch 9</u> 70-76</p>		
	<ul style="list-style-type: none"> Recognise and represent multiplication as repeated addition, groups and arrays. (ACMNA031) 	<p><u>Ch 11</u> 87-92</p>	<p><u>Ch 1</u> 1-6</p>	
	<ul style="list-style-type: none"> Recognise and represent division as grouping into equal sets and solve simple problems using these representations. (ACMNA032) 		<p><u>Ch 3</u> 15-19 <u>Ch 5</u> 30-33</p>	

Outcome	Curricular Content	Yr Bk 2a	Yr Bk 2b	Further Notes
<p>Fractions and Decimals (ACMNA033)</p>	<p>Pupils should be taught to :</p> <ul style="list-style-type: none"> Recognise and interpret common uses of halves, quarters and eighths of shapes and collections. (ACMNA033) 		<p><u>Ch 7</u> 42-48 <u>Ch 10</u> 66-69</p>	
<p>Money and Financial Matters (ACMNA034)</p>	<p>Pupils should be taught to :</p> <ul style="list-style-type: none"> Count and order small collections of Australian coins and notes according to their value. (ACMNA034) 	<p><u>Ch 10</u> 78-84</p>		
<p>Patterns and Algebra (ACMNA035-ACMNA036)</p>	<p>Pupils should be taught to :</p> <ul style="list-style-type: none"> Describe patterns with numbers and identify missing elements. (ACMNA035) 	<p><u>Ch 1</u> 10-17</p>	<p><u>Ch 12</u> 85-86</p>	
	<p>Pupils should be taught to :</p> <ul style="list-style-type: none"> Solve problems by using number sentences for addition or subtraction. (ACMNA036) 	<p><u>Ch 2</u> 19-26 <u>Ch 4</u> 36-42 <u>Ch 8</u> 62-68 <u>Ch 9</u> 70-76</p>		

Outcome	Curricular Content	Yr Bk 2a	Yr Bk 2b	Further Notes
Using Units of Measurement (ACMMG037 - ACMMG041)	Pupils should be taught to : • Compare and order several shapes and objects based on length, area, volume and capacity using appropriate uniform informal units. (ACMMG037)		Ch 6 35-40 Ch 11 71-78	
	• Compare masses of objects using balance scales. (ACMMG038)		Ch 11 72-75	
	• Tell time to the quarter-hour, using the language of 'past' and 'to'. (ACMMG039)	Ch 3 30-34		
	• Name and order months and seasons (ACMMG040)	Ch 3 28-29 Ch 13 101-103		
	• Use a calendar to identify the date and determine the number of days in each month. (ACMMG041)	Ch 13 100-105		
Shape (ACMMG042 - ACMMG043)	Pupils should be taught to : • Describe and draw two-dimensional shapes, with and without digital technologies. (ACMMG042)	Ch 7 57-60 Ch 12 94-98		
	• Describe the features of three dimensional objects. (ACMMG043)		Ch 2 8-13	

Outcome	Curricular Content	Yr Bk 2a	Yr Bk 2b	Further Notes
<p>Location and Transformation (ACMMG044-ACMMG046)</p>	<p>Pupils should be taught to :</p> <ul style="list-style-type: none"> Interpret simple maps of familiar locations and identify the relative positions of key features (ACMMG044) 		<p>Ch 9 57-61</p>	
	<ul style="list-style-type: none"> Investigate the effect of one-step slides and flips with and without digital technologies. (ACMMG045) 	<p>Ch 5 44-48</p>	<p>Ch 9 62-64</p>	
	<ul style="list-style-type: none"> Identify and describe half and quarter turns. (ACMMG046) 		<p>Ch 9 57-58</p>	
<p>Chance (ACMSP047)</p>	<p>Pupils should be taught to :</p> <ul style="list-style-type: none"> Identify practical activities and everyday events that involve chance. Describe outcomes as 'likely' or 'unlikely' and identify some events as 'certain' or 'impossible' (ACMSP047) 		<p>Ch 8 50-53</p>	
<p>Data Representation and Interpretation (ACMSP048-ACMSP050)</p>	<p>Pupils should be taught to :</p> <ul style="list-style-type: none"> Identify a question of interest based on one categorical variable. Gather data relevant to the question. (ACMSP048) 	<p>Practical</p>	<p>Ch 4 21-27 Ch 13 89-96</p>	
	<ul style="list-style-type: none"> Collect, check and classify data (ACMSP049) 	<p>Practical</p>	<p>Practical</p>	
	<ul style="list-style-type: none"> Create displays of data using lists, table and picture graphs and interpret them. (ACMSP050) 		<p>Ch 4 21-27 Ch 13 89-96</p>	



TeeJay Maths

Part B

National Curriculum

Year 2 Course Planner - Following Book Order

Based on TeeJay's **Year 2 Books 2A** and **2B** along with TeeJay's **Assessment Pack** for **Year 2**.

Book Chapters are listed **FIRST** and the associated National Curriculum Outcomes are then listed and a reference is made to the relevant chapters.

This time, to help schools develop their courses, **TeeJay Maths** has produced a **Course Planner** for **Year 2**.

This version of the **Planner** from **TeeJay** provides substance to what the content of each level includes, and gives an indication as to what is required at that level, with some basic examples where necessary.

It provides the basis of a course based on TeeJay's **Year 2 Books 2A** and **2B** and includes a final column which will allow planners to list practical activities, ICT Resources and specific methodologies.

Ch	Heading	Pgs	Topics	NC Outcomes	Comments/Methodology/Assessments
0	Revision	1-7	Revision of all year 1 book		
1	Whole No's 1	8-9 10-12 13 14 15-17 18	Intro (revision of whole numbers) Numbers 30-100 - read, write, order Word problems Tens and units Place value and reading scales <i>Revisit-Revise-Review</i>	ACMNA026 ACMNA027 ACMNA027 ACMNA028 ACMNA028	<i>Assessment Bk 2A Ch 1</i>
2	Addition 1	19 20-21 22 23-24 25-26 27	Intro (revision of addition) Addition of whole numbers up to 2 digits with no carrying Addition - mental 2 digits + 1 digit (no carrying) Addition with tens 2 digits + 2 digits (no carrying) Addition with tens - mental 2 digits + 2 digits (no carrying) <i>Revisit-Revise-Review</i>	ACMNA029 ACMNA029 ACMNA030 ACMNA029 ACMNA030	<i>Assessment Bk 2A Ch 2</i>
3	Time 1	28-29 30-33 34 35	Revision of days, months, o'clock and half past Half and quarter past/to the hour Digital times <i>Revisit-Revise-Review</i>	ACMNA039/40 ACMNA039 ACMNA039	<i>Assessment Bk 2A Ch 3</i>
4	Subtraction 1	36 37-38 39 40-41 42 43	Intro (revision of subtraction) Subtraction of whole numbers up to 2 digits with no exchange Subtraction - mental 2 digits - 1 digit (no exchange) Subtraction with tens 2 digits - 2 digits (no exchange) Subtraction with tens - mental 2 digits - 2 digits (no exchange) <i>Revisit-Revise-Review</i>	ACMNA029 ACMNA029 ACMNA030 ACMNA029 ACMNA030	<i>Assessment Bk 2A Ch 4</i>
5	Symmetry	44-46 47-48 49	Symmetry - Flips Symmetry in the real world <i>Revisit-Revise-Review</i>	ACMMG045 ACMMG045	<i>Assessment Bk 2A Ch 5</i>

Ch	Heading	Pgs	Topics	NC Outcomes	Comments/Methodology/Assessments
6	Whole No's 2	50 51-53 54 55 56	Revision of Whole Numbers 1 Patterns of numbers in 2's and 3's Patterns of numbers in 5's Patterns of numbers in 10's <i>Revisit-Revise-Review</i>	ACMNA027 ACMNA026 ACMNA026 ACMNA026	<i>Assessment Bk 2A Ch 6</i>
7	2-D Shapes 1	57 58 59-60 61	Revision of 2-D shapes Further 2-D shapes - oval, heart, semicircle etc Number of sides, corners and angles <i>Revisit-Revise-Review</i>	ACMMG042 ACMMG042 ACMMG042	<i>Assessment Bk 2A Ch 7</i>
8	Addition 2	62 63-64 65 66-67 68 69	Revision of Addition 1 Addition of whole numbers 2 digits + 1 digit (with carrying) Addition - mental 2 digits + 1 digit (with carrying) Addition with tens 2 digits + 2 digits (with carrying) Addition with tens - mental 2 digits + 2 digits (with carrying) <i>Revisit-Revise-Review</i>	ACMNA029 ACMNA029 ACMNA030 ACMNA029 ACMNA030	<i>Assessment Bk 2A Ch 8</i>
9	Subtraction 2	70 71-72 73 74-75 76 77	Revision of Subtraction 1 Subtraction of whole numbers up to 2 digits with exchange Subtraction - mental 2 digits - 1 digit (with exchange) Subtraction with tens 2 digits - 2 digits (with exchange) Subtraction with tens - mental 2 digits - 2 digits (exchange) <i>Revisit-Revise-Review</i>	ACMNA029 ACMNA029 ACMNA030 ACMNA029 ACMNA030	<i>Assessment Bk 2A Ch 9</i>
10	Money	78-79 80-82 83-84 85-86	Revision of Money Adding and subtracting money up to \$1 Money up to \$20 <i>Revisit-Revise-Review</i>	ACMNA034 ACMNA034 ACMNA034	<i>Assessment Bk 2A Ch 10</i>

Ch	Heading	Pgs	Topics	NC Outcomes	Comments/Methodology/Assessments
11	Grouping	87 88-92 93	Revision of grouping Grouping in 3's <i>Revisit-Revise-Review</i>	ACMNA031 ACMNA031	<i>Assessment Bk 2A Ch 11</i>
					BLOCK ASSESSMENT 1
12	2-D Shapes 2 (Quadrilaterals)	94 95 96 97 98 99	Revision of 2-dimensional shapes 1 The square The rectangle The rhombus The kite <i>Revisit-Revise-Review</i>	ACMMG042 ACMMG042 ACMMG042 ACMMG042 ACMMG042	<i>Assessment Bk 2A Ch 12</i>
13	Time 2	100 101-103 104 105 106	Revision of time Months of the year and Seasons Writing dates Hours minutes and seconds (<i>Extension</i>) <i>Revisit-Revise-Review</i>	ACMNA039 ACMNA040 ACMNA041 extension	<i>Assessment Bk 2A Ch 13</i>
					BLOCK ASSESSMENT 2
	Answers	107-114	Answers to all exercises except the 3-R's		

Ch	Heading	Pgs	Topics	NC Outcomes	Comments/Methodology/Assessments
1	Grouping	1 2-6 7	Revision of grouping in 2's and 3's Grouping in 5's <i>Revisit-Revise-Review</i>	ACMNA031 ACMNA031	<i>Assessment Bk 2B Ch 1</i>
2	3-D Shapes	8 9-11 12-13 14	Revise naming/recognising cube, cuboid, cylinder, prism, sphere Recognise 3-D shapes and in real world including composites Making 3-D shapes and knowing their properties <i>Revisit-Revise-Review</i>	ACMMG043 ACMMG043 ACMMG043	<i>Assessment Bk 2B Ch 2</i>
3	Sharing 1	15-18 19 20	Sharing equally between 2 Doubling and halving (Extension) <i>Revisit-Revise-Review</i>	ACMNA032 extension	<i>Assessment Bk 2B Ch 3</i>
4	Graphs & Tables 1	21-23 24-25 26-27 28-29	Reading and interpreting tables Reading from pictograph Reading from simple block graphs <i>Revisit-Revise-Review</i>	ACMSP050 ACMSP050 ACMSP050	<i>Assessment Bk 2B Ch 4</i>
5	Sharing 2	30-33 34	Sharing equally among 3 <i>Revisit-Revise-Review</i>	ACMNA031	<i>Assessment Bk 2B Ch 5</i>
6	Length & Area	35 36-37 38-40 41	Revision of length and height Comparing lengths - longest/shortest Area - bigger/smaller <i>Revisit-Revise-Review</i>	ACMMG037 ACMMG037 ACMMG037	<i>Assessment Bk 2B Ch 6</i>
7	Fractions 1	42 43-46 47-48 49	Revision of half pictorially from Year 1 (some) Find $\frac{1}{4}$ of a number of objects pictorially Find $\frac{1}{2}$ and $\frac{1}{4}$ of a number of objects <i>Revisit-Revise-Review</i>	ACMNA033 ACMNA033 ACMNA033	<i>Assessment Bk 2B Ch 7</i>
8	Chance	50-51 52-53 54	Probability - an equal chance More/Less Likely <i>Revisit-Revise-Review</i>	ACMSP047 ACMSP047	<i>Assessment Bk 2B Ch 8</i>

Ch	Heading	Pgs	Topics	NC Outcomes	Comments/Methodology/Assessments
9	Location & Direction	55-56 57-58 59-61 62-64 65	Revision of Position & Direction Quarter turn clockwise and anticlockwise Describing a journey Sliding and tiling <i>Revisit-Revise-Review</i>	ACMMG044 ACMMG046 ACMMG044 ACMMG045	<i>Assessment Bk 2B Ch 9</i>
10	Fractions 2	66 67-69 70	Revision of Fractions 1 Find $\frac{1}{8}$ of a shape <i>Revisit-Revise-Review</i>	ACMNA033 ACMNA033	<i>Assessment Bk 2B Ch 10</i>
11	Mass & Volume	71 72-74 75 76-77 78 79	Revision of heavier than/lighter than etc Kilograms and grams (not conversion) Kilograms and grams (<i>Extension</i>) Volume - an introduction Litres and millilitres (<i>Extension</i>) <i>Revisit-Revise-Review</i>	ACMMG038 ACMMG038 ACMMG038 ACMMG037 extension	<i>Assessment Bk 2B Ch 11</i>
					BLOCK ASSESSMENT 4
12	Whole No's	80 81-83 84-87 88	Revision whole nos. up to 100 Hundreds, tens and units and numbers bigger than 100 Place value <i>Revisit-Revise-Review</i>	ACMNA027 ACMNA027 ACMNA028	<i>Assessment Bk 2B Ch 12</i>
					BLOCK ASSESSMENT 3
13	Graphs & Tables 2	89-90 91-93 94-96 97	Revision of Graphs & Tables 1 Drawing pictographs and block graphs Tally marks and frequency tables <i>Revisit-Revise-Review</i>	ACMSP050 ACMSP050 ACMSP050	<i>Assessment Bk 2B Ch 13</i>
					BLOCK ASSESSMENT 5
14	Revision	98-108	Revise all Year 2 work		<i>TeeJay's end of Year 2 - Diagnostic Assessment</i>
	Answers	109-117	Answers to all exercises except the 3-R's		