

# Place Value concepts K-6

A developmental sequence of learning  
: NSW Mathematics K–10 Syllabus for the Australian Curriculum

Number and  
Algebra

## Organisation of content in the NSW Mathematics K–10 Syllabus

**Content** in the *Mathematics K-10 Syllabus for the Australian Curriculum* (NESA, 2019; BOSNSW, 2018; BOSNSW, 2012) is presented as a continuum of learning in stages from Kindergarten to Year 10. Within each stage, the syllabus is organised into three content strands and further organised into **substrands** (many are separated into two parts '1' and '2') with the five components of Working Mathematically integrated into the strands.

The content presented for each substrand is developmentally sequenced from the top of each content page to the bottom and is organised as follows:

Flush to the left are the main concepts ie. Australian Curriculum **content descriptions** with what I call the 'number plates'

- (1st indentation level): **knowledge and skills** ie 'what' is to be taught and learnt
- ▶ (2nd indentation level): **Working Mathematically** components ie 'how' content is explored or developed
- (3rd indentation level): **mental strategies** with examples of written recordings.

The language section of each substrand K-6 includes a word list. Words appearing for the first time in each substrand are listed in bold type.

Content   page numbers	*2019 revised hard copy (the 'orange book')		*2018 revised soft copy (PDF)		2012 hard copy (the 'orange book')		2012 soft copy (PDF)	
	Whole Numbers	Decimals	Whole Numbers	Decimals	Whole Numbers	Decimals	Whole Numbers	Decimals
Strands & substrands diagram	36		35		32		35	
Early Stage 1 (Kindergarten)	48 - 50	N/A	46 - 48	N/A	42 - 44	N/A	45 - 47	N/A
Stage 1, Part 1 (Year 1)	78 - 79	N/A	75 - 76	N/A	68 - 69	N/A	72 - 73	N/A
Stage 1, Part 2 (Year 2)	80 - 82	N/A	77 - 79	N/A	70 - 71	N/A	74 - 75	N/A
Stage 2, Part 1 (Year 3)	140 - 141	N/A	138 - 139	N/A	126 - 127	N/A	129 - 130	N/A
Stage 2, Part 2 (Year 4)	142	156 - 157	140 - 141	155 - 156	128	141 - 142	131	144 - 145
Stage 3, Part 1 (Year 5)	208 - 209	223 - 225	208 - 209	224 - 226	190 - 191	205 - 207	194 - 195	209 - 211
Stage 3, Part 2 (Year 6)	210 - 211	226 - 229	210 - 211	227 - 231	192 - 193	208 - 212	196 - 197	212 - 215

\*inclusion of the National Numeracy Learning Progressions (NNLP's)

## Teach directly from the online interactive version

Use an interactive touchscreen/board with an annotating tool so that you can write directly over all the lightbox images contained in the syllabus. Free access from the NESA website:

<https://educationstandards.nsw.edu.au/wps/portal/nesa/k-10/learning-areas/mathematics/mathematics-k-10/content>

## Purchase hard copies of *Mathematics K–10 Syllabus Volume 1: K–6*

- online NESA shop (2019 revised version). \$28.90 + shipping
- University Co-Op (2012 version). \$28.90 with free shipping for orders over \$100.  
<https://www.coop.com.au/nsw-mathematics-k-10-syllabus-volume-1-k-6/9781743010075>

## Download soft copies (2012 revised version with NNLP's)

Free from the NESA website in both PDF and Word formats. Just scroll down to the pink square download buttons.

<https://educationstandards.nsw.edu.au/wps/portal/nesa/k-10/learning-areas/mathematics/mathematics-k-10>