

Developing Efficient Numeracy Strategies

Stage 1

Activities sorted by content outcomes
within the four sections:

- Emergent
- Perceptual
- Figurative
- Counting On

Emergent

These activities are for Emergent students to help them develop perceptual strategies

NUMBER ACTIVITIES

Syllabus Reference	Activities
<p>NES 1.1 Counts to 30, and orders, reads and represents numbers in the range 0 to 20</p>	<ul style="list-style-type: none"> ▪ Feather drop p.23 ▪ Egg carton drop p.23 ▪ Handful of teddies p.24 ▪ Paper cup drop p.24 ▪ Counting patterns p.24 ▪ Egg game p.24 ▪ Ten pegs p.26 ▪ Ten teddies p.26 ▪ Throw and pin p.27 ▪ Coat hangers p.28 ▪ Ten frames p.28, 29 ▪ Candle holders p.29 ▪ Pendulum swing p.30 ▪ Physical activities p.30 ▪ Popstick patterns p.30 ▪ Musical cushions p.31 ▪ Posting blocks p.33 ▪ Take a numeral p.33 ▪ Mothers and babies p.34 ▪ Beehive p.34 ▪ Concentration p.35 ▪ Fences p.36 ▪ Hang it on the line p.37 ▪ Sandwich boards p.37 ▪ The price is right p.37 ▪ Guess the number p.37 ▪ Count and classify p.38 ▪ Numeral flip strip p.39 ▪ The number dance p.40 ▪ What's in the square p.40 ▪ The number train p.41 ▪ Make a zoo p.41 ▪ Paperclip cards p.41 ▪ Flowers in the vase p.41 ▪ Colourful clowns p.42 ▪ Hidden treasure p.43 ▪ Peg boards p.43 ▪ Pick up chips p.44 ▪ I feel p.44 ▪ Numeral chairs p.44 ▪ King or queen for a day p.44 ▪ Object hunt p.45 ▪ Teddy bear race p.45 ▪ Patty papers p.45 ▪ Look and say p.47 ▪ Look and snap p.47 ▪ Feel and find p.47 ▪ More, fewer or the same? p.47 ▪ Speedy dominoes p.48 ▪ Robot race p.48 ▪ Load the trucks p.49 ▪ Snap p.49 ▪ Make a pattern p.49

NES1.3 Groups, shares and counts collections of objects, describes using everyday language and records using informal methods

- Feather drop p.23
- Egg carton drop p.23
- Handful of teddies p.24
- Paper cup drop p.24
- Counting patterns p.24
- Egg game p.24
- Ten pegs p.26
- Ten teddies p.26
- Throw and pin p.27
- Coat hangers p.28
- Ten frames p.28, 29
- Candle holders p.29
- Pendulum swing p.30
- Physical activities p.30
- Popstick patterns p.30
- Musical cushions p.31
- Posting blocks p.33
- Take a numeral p.33
- Mothers and babies p.34
- Beehive p.34
- Concentration p.35
- Fences p.36
- Hang it on the line p.37
- Sandwich boards p.37
- The price is right p.37
- Guess the number p.37
- Count and classify p.38
- Numeral flip strip p.39
- The number dance p.40
- What's in the square p.40
- The number train p.41
- Make a zoo p.41
- Paperclip cards p.41
- Flowers in the vase p.41
- Colourful clowns p.42
- Hidden treasure p.43
- Peg boards p.43
- Pick up chips p.44
- I feel p.44
- Numeral chairs p.44
- King or queen for a day p.44
- Object hunt p.45
- Teddy bear race p.45
- Patty papers p.45

PATTERNS AND ALGEBRA

Syllabus Reference	Activities
PAES1.1 Recognises, describes, creates and continues repeating patterns and number patterns that increase or decrease	<ul style="list-style-type: none">▪ Posting blocks p.33▪ Take a numeral p.33▪ Mothers and babies p.34▪ Beehive p.34▪ Concentration p.35▪ Fences p.36▪ Hang it on the line p.37▪ Sandwich boards p.37▪ The price is right p.37▪ Guess the number p.37▪ Count and classify p.38▪ Numeral flip strip p.39▪ The number dance p.40▪ What's in the square p.40▪ The number train p.41▪ Make a zoo p.41▪ Paperclip cards p.41▪ Flowers in the vase p.41▪ Colourful clowns p.42▪ Hidden treasure p.43▪ Peg boards p.43▪ Pick up chips p.44▪ I feel p.44▪ Numeral chairs p.44▪ King or queen for a day p.44▪ Object hunt p.45▪ Teddy bear race p.45▪ Patty papers p.45

Perceptual

These activities are for Perceptual students to help them develop figurative strategies

NUMBER ACTIVITIES

Syllabus Reference	Activities
NES1.1 Counts to 30, and orders, reads and represents numbers in the range 0 to 20	<ul style="list-style-type: none"> ▪ Zap p.79 ▪ Maths tipping p.91 ▪ Number flowers p.83 ▪ Pairs p.83, 85 ▪ Egg flip p.85 ▪ Teen bingo p.87 ▪ Before and After p.87 ▪ Teen memory p.89 ▪ Numeral cards p.91 ▪ Numeral flip strip p.93 ▪ Fish chart p.95 ▪ Caterpillars p.97 ▪ Bingo: The number after p.99 ▪ Floor walking p.101, 103 ▪ Dot flash p.109
NS1.1 Counts, orders, reads and represents two- and three-digit numbers	<ul style="list-style-type: none"> ▪ Rhythmic counting p.125 ▪ Body percussion p.125 ▪ Echidnas p.1131 ▪ Ladybirds p.133
NES1.2 Combines, separates and compares collections of objects, describes using everyday language and records using informal methods	<ul style="list-style-type: none"> ▪ Rabbits ears p.105,107 ▪ Paper dot plates p.111 ▪ Ten frames p.113 ▪ Dot patterns p.115 ▪ Flash cards p.115
NS1.2 Uses a range of mental strategies and informal recording methods for addition and subtraction involving one- and two-digit numbers	<ul style="list-style-type: none"> ▪ Windows p.117 ▪ Diffy towers p.119 ▪ Apple turnovers p.121
NS1.3 Uses a range of mental strategies and concrete materials for multiplication and division	<ul style="list-style-type: none"> ▪ Find a group p.123 ▪ Trains p.123 ▪ Mail sort p.123 ▪ Rhythmic counting p.125 ▪ Body percussion p.125 ▪ Percussion instruments p.127 ▪ Canisters p.129 ▪ Kookaburras p.129 ▪ Echidnas p.1131 ▪ Ladybirds p.133

PATTERNS AND ALGEBRA

Syllabus Reference	Activities
PAES1.1 Recognises, describes, creates and continues repeating patterns and number patterns that increase or decrease.	<ul style="list-style-type: none"> ▪ Zap p.79 ▪ Numeral flip strip p.93
PAS1.1 Creates, represents and continues a variety of number patterns, supplies missing elements in a pattern and builds number relationships.	<ul style="list-style-type: none"> ▪ Windows p.117 ▪ Find a group p.123 ▪ Trains p.123 ▪ Mail sort p.123

Figurative

These activities are for Figurative counting students to help them develop counting on strategies

NUMBER ACTIVITIES

Syllabus Reference	Activities
NS 1.1 Counts, orders and represents two and three digit numbers	<ul style="list-style-type: none"> ▪ Collections p.149 ▪ Bundling p.151 ▪ Trading game p.151 ▪ Counting on p.151 ▪ Popsticks p.153 ▪ Flip and see p.155 ▪ Bucket count on p.157 ▪ Hundred chart p.161 ▪ Arrays p.189 ▪ Units for two p.195 ▪ Handprints p.195
NS1.2 Uses a range of mental strategies and informal recording methods for addition and subtraction involving one and two digit numbers	<ul style="list-style-type: none"> ▪ Bucket count on p.157 ▪ Blocks on a bowl p.159 ▪ Add two dice p.163, 165 ▪ Rabbits' ears p.167 ▪ Doubles p.167 ▪ Doubles plus one p.167 ▪ Dot pattern cards p.169 ▪ Posting counters p.171 ▪ Two-dice toss p.171 ▪ Teddy tummies addition p.173 ▪ Friends of ten p.175 ▪ Fishing addition p.177 ▪ Using technology p.179 ▪ Ring that bell p.181 ▪ How many eggs? P.183 ▪ Ten frames p.185 ▪ Subtraction teddies p.187
NS1.3 Uses a range of mental strategies and concrete materials for multiplication and division	<ul style="list-style-type: none"> ▪ Arrays p.189 ▪ Guess my square p.191 ▪ Triangle teddies p.193 ▪ Units for two p.195 ▪ Handprints p.195 ▪ Turning arrays p.197 ▪ Calculating groups p.199 ▪ What's in a square? p.199 ▪ Groupies p.201 ▪ Dice and grid game p.203

PATTERNS AND ALGEBRA

Syllabus Reference	Activities
PAS1.1 Creates, represents and continues a variety of number patterns, supplies missing elements in a pattern and builds number relationships	<ul style="list-style-type: none"> ▪ Hundred chart p.161 ▪ Teddy tummies addition p.173 ▪ Friends of ten p.175 ▪ Fishing addition p.177 ▪ Triangle teddies p.193 ▪ Dice and grid game p.203

Counting On

These activities are for Counting On students to help them develop strategies beyond counting by ones

NUMBER ACTIVITIES

Syllabus Reference	Activities
NS 1.1 Counts, orders and represents two and three digit numbers	<ul style="list-style-type: none"> ▪ Celebrity head p.221 ▪ The price is right p.223 ▪ Guess my number p.223 ▪ Grocery grab p.225 ▪ Wipe out p.225 ▪ Skip counting p.227 ▪ Straw javelin p.229, 231 ▪ Ghost busters p.259 ▪ Outdoor bean bag target p.261 ▪ Doubles plus one p.163 ▪ Doubles plus one bingo p.263 ▪ Near doubles p.263 ▪ Ten strips and hundreds charts p.265 ▪ Double-decker bus p.265 ▪ Tagging p.273 ▪ Hundred chart p.273 ▪ Buzz game p.275 ▪ Kangaroos p.277 ▪ Rolling groups p.227
NS1.2 Uses a range of mental strategies and informal recording methods for addition and subtraction involving one and two digit numbers	<ul style="list-style-type: none"> ▪ Three-dice game p.233 ▪ The beanstalk p.235 ▪ Put in take out p.237 ▪ Bees p.239 ▪ Combination trains p.241 ▪ Unit squares p.243 ▪ Dice toss p.243 ▪ Combination flip p.243 ▪ Number balances p.245 ▪ Domino addition p.245 ▪ Addition lotto p.247 ▪ Five dice p.247 ▪ Build a tower p.149 ▪ Race to the pool p.251 ▪ Sentence maker p.253 ▪ Addition wheel p.253 ▪ Balancing numbers p.255 ▪ Return to mother ship p.255 ▪ Fact matching p.257 ▪ Ghost busters p.259 ▪ Outdoor bean bag target p.261 ▪ Ten strips and hundreds charts p.265 ▪ Double-decker bus p.265 ▪ Orange tree p.267
NS1.3 Uses a range of mental strategies and concrete materials for multiplication and division	<ul style="list-style-type: none"> ▪ Teddy tummies p.269 ▪ Trucking teddies p.271 ▪ Kangaroos p.277 ▪ Rolling groups p.227

PATTERNS AND ALGEBRA

Syllabus Reference	Activities
PAS1.1 Creates, represents and continues a variety of number patterns, supplies missing elements in a pattern and builds number relationships	<ul style="list-style-type: none">▪ Skip counting p.227▪ Teddy tummies p.269▪ Trucking teddies p.271▪ Tagging p.273▪ Hundred chart p.273▪ Kangaroos p.277▪ Rolling groups p.227

DATA ACTIVITIES

Syllabus Reference	Activities
DS1.1 Gathers and organizes data, displays data using column and picture graphs, and interprets the results.	<ul style="list-style-type: none">▪ Addition lotto p.247▪ Five dice p.247

MEASUREMENT ACTIVITIES

Syllabus Reference	Activities
MS1.1 Estimates, measures, compares and records lengths and distances using informal units, metres and centimeters.	<ul style="list-style-type: none">▪ Straw javelin p.229, 231
MS1.3 Estimates, measures, compares and records volumes and capacities using informal units.	<ul style="list-style-type: none">▪ Grocery grab p.225▪ Wipe out p.225