

Counting to 10 with Bond Blocks

Activity Cards for Pre-Foundation (Ages 4+)



64 Cards
4 Levels of Difficulty



Use with one set of Bond Blocks per student.

Copyright

Counting to 10 with Bond Blocks: Activity Cards for Pre-Foundation (Ages 4+)

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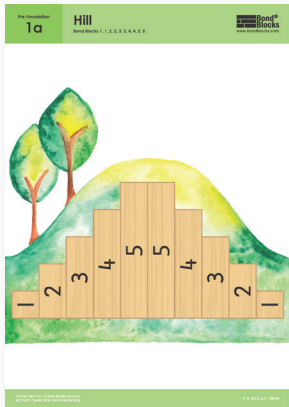
Complete every activity card with one set of Bond Blocks.



Four Types of Cards

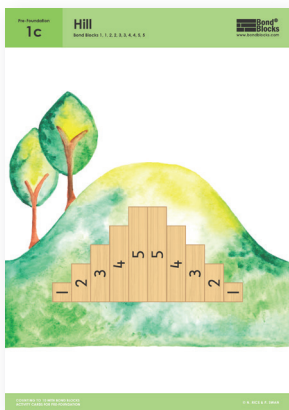
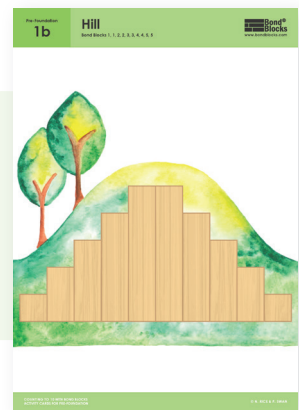
There are four types of cards. Each type increases in difficulty.

Develop fluency completing one type of card, for example 'a', before moving onto the next type, for example 'b'.



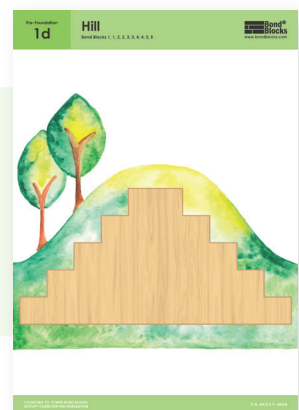
a. **Matching:** These cards are the easiest because the blocks can be placed directly on the cards, the individual block lines have been drawn in and each block is numbered.

b. **Choosing:** The blocks are placed directly on the cards, but these cards are more difficult than type 'a' because the block numbers have been removed.



c. **Building:** These cards contain a reduced image of the completed build. Students need to use the image to recreate the build. This is difficult, like building flat-pack furniture.

d. **Filling:** The blocks are placed directly on the cards. These cards are the most difficult because the individual block lines have been removed.



Students could complete one type of card, in each of the 12 designs, per term.

Using the Activity Cards

Mathematics

Explore relationships between numbers, length and shapes.

Language

- Number language: worth less/more, less than/greater than, before/after, equal to
- Length language: short/shorter/shortest, long/longer/longest
- Shape language: square, rectangle, triangle, cube, turn, corner, side, small/smaller/smallest, big/bigger/biggest, large/larger/largest
- Positional language: above, below, between, near, next to, on, under

Materials

An activity for individual students.
Each student needs:



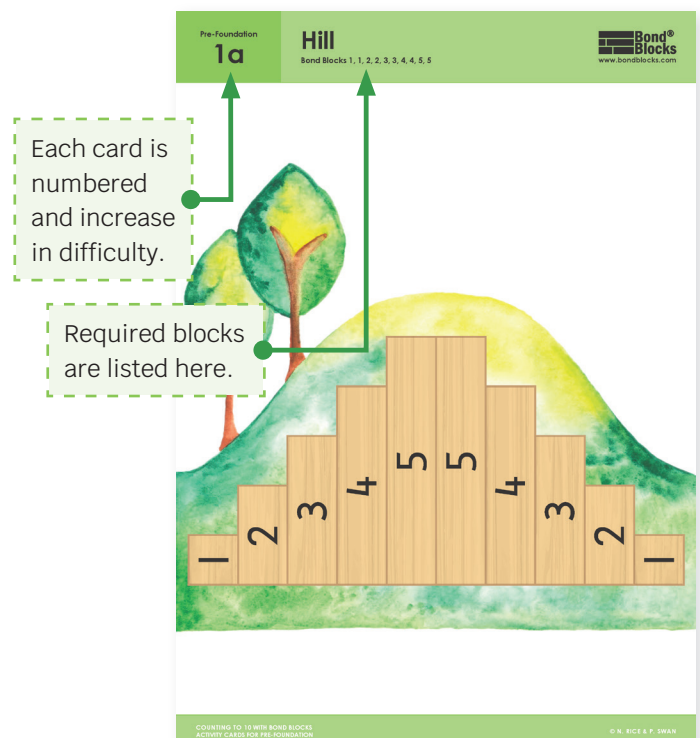
One set of
Bond Blocks.



One Activity Card.

Instructions

- Select a card.
- Take the required blocks out of the Bond Block case and close the lid.
- Complete the card with the specified blocks.
- Open the Bond Block case and see if the card can be completed with different blocks. For example, **swap a 3 block for a 2 and 1**.
- Pack away.



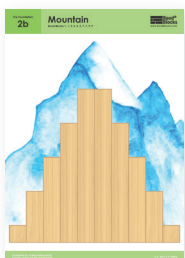
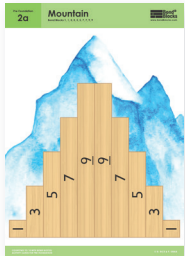
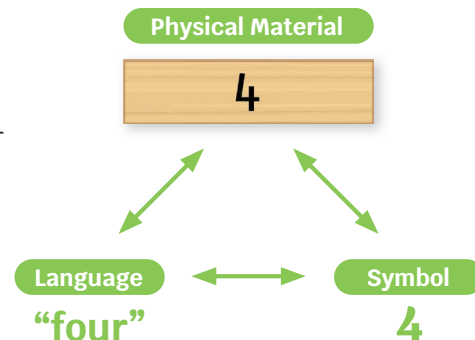
Focus Learning

Each of the four different types of cards has a different mathematical focus.

a. Matching

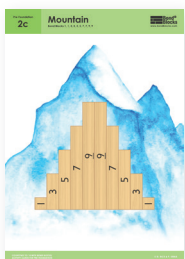
When students are matching blocks encourage mathematical talk to help them connect the written numeral, spoken number word and length of the block.

Also encourage the use of length, shape and positional language. For example, **“I need to put the 4 block here, below the 7”**.



b. Choosing

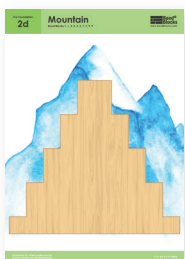
Students learn about the size of numbers in relation to each other by making choices about which block to use based on the length of blocks already placed. For example, **“I need a block that is a little longer than 3. I’ll try 4”**.



c. Building

When students reconstruct these designs on the desk next to the activity card they do not have a template. To place the blocks students need to focus on the position of blocks in relation to each other. Teachers can describe students’ actions placing the blocks to model mathematical language.

For example, **“You slid the 4 block down, then turned it”**.



d. Filling

These cards are very difficult. Completing them requires problem solving, spatial reasoning and persistence. Students need lots of time, practise and support to develop this type of higher order thinking and disposition.

Alternative Activities

Encourage students to create their own design using Bond Blocks on top of a piece of A3 paper.

Photograph designs for others to recreate.

Cards in this Set

a



b



c



d



Curriculum Links

Australia and WA

Number and Algebra

Activity	Curriculum Links WA Kindergarten (Pre-Foundation)	Differentiation (a little easier) ABLEWA
Recognising numbers	<ul style="list-style-type: none"> Recognise numerals initially to 5 and then to ten. 	<ul style="list-style-type: none"> ACMNA002a/b/c/d
Matching, choosing, building and filling activity cards	<ul style="list-style-type: none"> Copy and create simple ... patterns 	<ul style="list-style-type: none"> ACMNA005a/b/c/d

Measurement and Geometry

Activity	Curriculum Links WA Kindergarten (Pre-Foundation)	Differentiation (a little easier) ABLEWA
Comparing Length	<ul style="list-style-type: none"> Use the appropriate language of measurement to describe, compare and order (length). 	<ul style="list-style-type: none"> ACMMG006a/b/c/d
Two-dimensional Shape	<ul style="list-style-type: none"> Match basic two-dimensional shapes such as square, triangle and circle. 	<ul style="list-style-type: none"> ACMMG009a/b/c/d
Positional Language	<ul style="list-style-type: none"> Use positional language, such as on, under, behind, between. 	<ul style="list-style-type: none"> ACMMG010a/b/c/d

Victoria

Number and Algebra

Activity	Curriculum Links	Differentiation (a little easier)			
		Level D	Level C	Level B	Level A
Recognising numbers	<ul style="list-style-type: none"> VCMNA053: Recognise number name, numerals and quantities, initially up to five and beyond. 	VCMNA036	VCMNA018	VCMNA002	
Matching, choosing, building and filling activity cards	<ul style="list-style-type: none"> VCMNA059: Sort like objects based on a given classification, and identify and continue a simple repeated pattern with its next element. 	VCMNA042	VCMNA025	VCMNA008	

Measurement and Geometry

Activity	Curriculum Links	Differentiation (a little easier)			
		Level D	Level C	Level B	Level A
Comparing Length	<ul style="list-style-type: none"> VCMMG061: Respond to contexts involving 'heavier/lighter' than and 'holds more/less' than. 	VCMNA044	VCMNA027	VCMNA010	
Two-dimensional Shape	<ul style="list-style-type: none"> VCMMG064: Use direct comparison to sort three dimensional objects and two dimensional shapes. 	VCMNA047	VCMNA030	VCMNA013	
Positional Language	<ul style="list-style-type: none"> VCMMG065: Follow simple directional words to locate or move an object 'on', 'in' or 'under'. 	VCMNA048	VCMNA031	VCMNA014	

Where to Next?

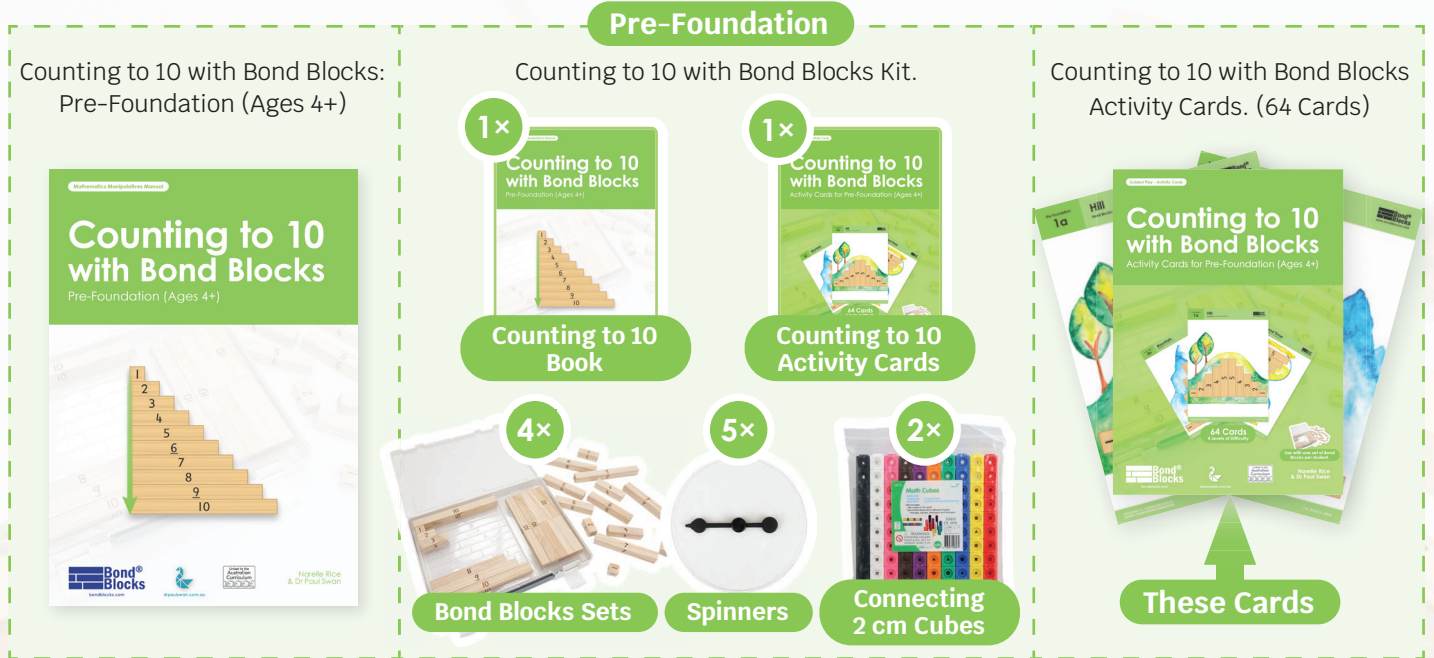
For students in Pre-Foundation there is the “**Counting to 10 with Bond Blocks**” book and “**Counting to 10 with Bond Blocks Activity Cards**”. Each of these items can be purchased separately or as part of the “**Counting to 10 with Bond Blocks Kit**”.

Pre-Foundation

Counting to 10 with Bond Blocks: Pre-Foundation (Ages 4+)

Counting to 10 with Bond Blocks Kit.

Counting to 10 with Bond Blocks Activity Cards. (64 Cards)



The Pre-Foundation section features a central 'Counting to 10 with Bond Blocks Kit' which includes: 1x 'Counting to 10 with Bond Blocks' book, 1x 'Counting to 10 with Bond Blocks Activity Cards' (64 cards), 4x 'Bond Blocks Sets', 5x 'Spinners', and 2x 'Connecting 2 cm Cubes'. To the left is the book cover for 'Counting to 10 with Bond Blocks' (Pre-Foundation, Ages 4+), and to the right is the activity cards pack. An arrow points from the activity cards pack to a label 'These Cards'.

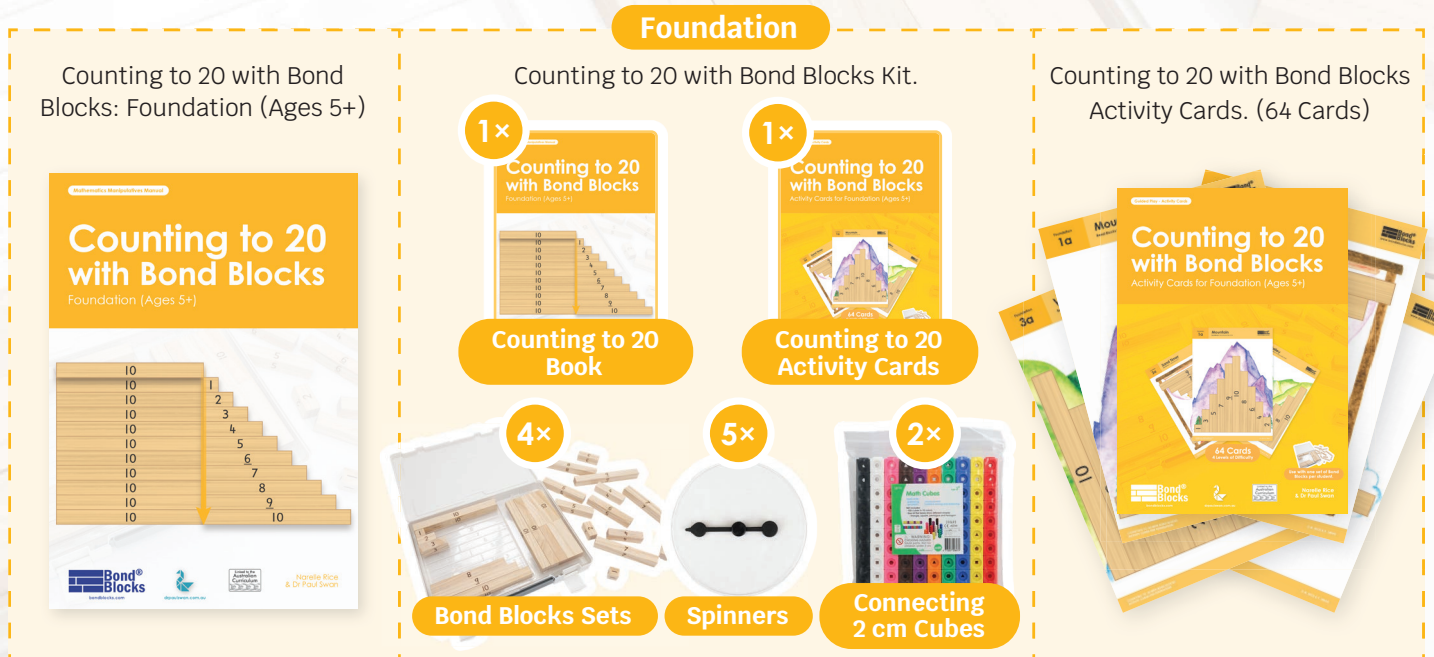
For students in Foundation there is the “**Counting to 20 with Bond Blocks**” book and “**Counting to 20 with Bond Blocks Activity Cards**”. Each of these items can be purchased separately or as part of the “**Counting to 20 with Bond Blocks Kit**”.

Foundation

Counting to 20 with Bond Blocks: Foundation (Ages 5+)

Counting to 20 with Bond Blocks Kit.

Counting to 20 with Bond Blocks Activity Cards. (64 Cards)



The Foundation section features a central 'Counting to 20 with Bond Blocks Kit' which includes: 1x 'Counting to 20 with Bond Blocks' book, 1x 'Counting to 20 with Bond Blocks Activity Cards' (64 cards), 4x 'Bond Blocks Sets', 5x 'Spinners', and 2x 'Connecting 2 cm Cubes'. To the left is the book cover for 'Counting to 20 with Bond Blocks' (Foundation, Ages 5+), and to the right is the activity cards pack.

Visit the website for more information
www.bondblocks.com