# Bond Blocks Counting to 10 \& 20 Kit ( 2024 Ed.) 



A3 Activity Bocirds
for Teacher-Led Activities
Across four chapters


## [ SAMPLE ]

This sample contains a small set of the activities that come with the Bond Blocks Counting to 10 \& 20 Kit

Lessons and Videos can be freely found at bondblocks.com
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## Mathematics

- Develop fluency representing the number before on a number lin from 0 to 20 .


## Language

- one shorter
- one less than
- one number before


## Materials

An activity for two players.
Each pair needs:

- One of each Bond Block from 1 to 10 in a jumbled pile.
One clear round spinner
- Ten two-sided counters, five for each player.


## Instructions

(i) Player One's (student role): Number Line
Player One (student role):

- Flicks the spinner.
- Says the number that comes before the number spun.

Points to the marker on the number line that is after the number spun and leaves their finger on the line.
Player Two (teacher role) places the block that completes representing the block that completes representing the the number line, to confirm the answer.
If the student was incorrect they move heir finger to the correct marker. Leave the block on the number line.
(ii) Player Two's: Number Line Repeat with roles reversed.
If the second player spins the same number as the first player, spin again.
(iii) Comparing Numbers

The player with the lesser number wins and records this by placing a counter on their five frame.
layers clear their number line. Play continues until the time is up or one player has filled their five frame.
The overall winner is the one who has laced the most counters.

Encourage students to move on from Encourage students to move on beginning to using strategies such as seeing:

- 11,12 and 13 without counting.
- 14 as one before 15 .
- 15 as the middle.
- 16, 17,18 count on $1,2,3$ from 15 .
- 19 as one before 20
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Player One's Five Frame
$\square$

Player Two's Five Frame

## layer Two's five Frame

## Student Led Activities

Counting to 10 \& 20

## Exploratory Play

When first opening a box of Bond Blocks students need to complete a range of Introductory Activities to explore characteristics of the blocks and relationships between them.

Students need to engage in these activities before beginning the Teacher Led Counting Activities.

# Complete every activity board 

 with one set of Bond Blocks.Narelle Rice \& Dr Paul Swan

## Contents

i. General Instructions

Activity Sequence
Page Layout

1. Introductory Play
2. Building Things I Know

Instructions
Symmetry
Comparing Numbers
3. Bond Blocks and 2 cm Cubes

Connecting Cubes and Bond Blocks Building with Cubes and Bond Blocks
4. How Many Cubes? Up to three.

Subitising Sticks of 1, 2 and 3
5. Building Roads: Routes

Learning Space Set-Up
Learning Space Interactions
6. Building Roads: Wheels and Ramps

Learning Space Set-Up
Learning Space Interactions
7. Building Roads: Counting Order

Starting at One
Correcting Number Orientation
Counting Fluency
8. Building Towers

Counting Forwards
Counting Backwards
9. Building Steps: Counting Forwards

Fluency Counting Forwards
Different Block Orientations
Correcting Number Orientation
Number After
10. Building Steps: Counting Backwards

Fluency Counting Backwards
Different Block Orientations
Correcting Number Orientation
Number Before
11. Building Mountain Steps

Counting Backwards
Number Before
Counting Back From Any Number
12. How Many Cubes? Four or more.

Sticks of 4, 5, 6, 7, 8, 9 and 10
13. Building Roads: Comparing Numbers

Roads made of the same blocks
Roads that are the same length
Comparing the length of two roads

## 14. Comparing Steps

Same Blocks in a Different Order
Same Size Jumps that are not one
Different Sized Jumps
15. Comparing Mountain Steps

Different Heights
Same Height with Different Treads
Same Height using Different Blocks
16. comparing Towers

Different Height Towers
Same Height Towers
Multi-Block Towers
17.

Building Walls
Starting with One Block
Starting with Two Blocks (or more)

## Activity Sequence

The activities have been sequenced from the easiest mathematical concepts to the hardest. The activities on each page have also been sequenced from the easiest concept to the hardest.

## Page Layout

The activities have been designed to fit on one page so that they can be printed as needed. There are a range of prompts for both teachers and students. Each type of prompt has been formatted with its own design to make this easier to access during teaching.


## Matiching Cards

## About The Cards

The Matching Cards have actual sized images of every Bond Block that needs to be placed.

## Using The Blocks

Students match the blocks, placing them directly on the card, whilst saying the number name.

## Maths Thinking

Students focus on connecting the spoken number name, written number and length of the block.


- You will need one box of Bond Blocks.
- Choose blocks from the box to fill the activity card.
- Say the number name as you place the blocks.
- You will need one box of Bond Blocks.

Guided Play Matching

- Choose blocks from the box to fill the activity card.
- Say the number name as you place the blocks.

Counting to $10 \& 20$


