

# LET'S EXPLORE MEASUREMENT

How can we see weight & volume?

## maths + numeracy

The experience invites children to explore the concept of weight and volume through hands-on experimentation. Featuring a variety of scales for testing hypotheses and exploring mass and equilibrium, graduated cylinders and a combination of natural and made materials to explore weight/volume comparison. The space encourages discovery and understanding of weight and volume differences. It transforms abstract ideas into tangible experiences, fostering confidence and curiosity in young learners!

### CREATING THIS SPACE we've got you covered

Browse a curated list of everything we used to create this space on our website!

Whether you're topping up your own resource collection or want to purchase the whole Playspace, Bellbird has you covered!

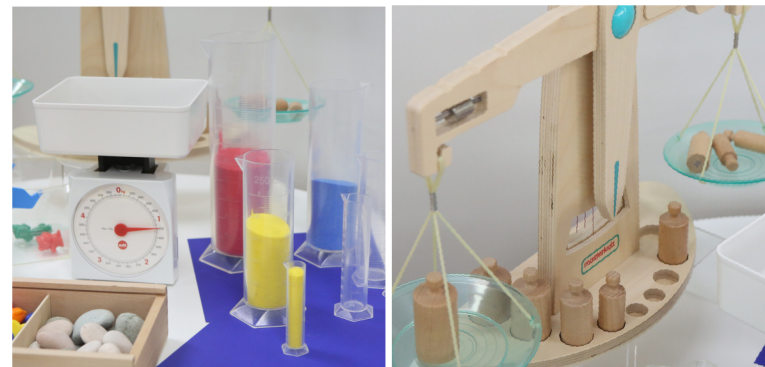
### ALL THE RESOURCES YOU NEED and where to find them

- ➔ Purchase all the resources used to put this Playspace together so you can set it up in your own space and style or explore our entire maths and numeracy range by heading to:
  - [www.bellbird.com.au/early-learning-conferences-2025/maths-numeracy](http://www.bellbird.com.au/early-learning-conferences-2025/maths-numeracy)

\*Please note that the photography does not show all items from the resource sets. Purchasing this Playspace includes complete sets beyond those displayed.

### OUR HERO PIECES in this space

- ➔ Masterkidz Educational Wooden Balance Scales ([SKU 158780](#))
- ➔ Bucket Balance Scales - 1kg capacity ([SKU 149589](#))
- ➔ Measuring Scale - 5kgs capacity ([SKU 149593](#))
- ➔ Backpack Bear Counters - 96pcs ([SKU 149579](#))
- ➔ Graduated Cylinders - Set of 7 ([SKU 141144](#))
- ➔ Wooden Discovery Boxes - 3pk ([SKU 133379](#))
- ➔ Flores Island Sensory Stones - Assorted 30pcs ([SKU 136791](#))
- ➔ Natural Leaves - 90pcs ([SKU 146702](#))
- ➔ Craft Sand 1.3kg - Red ([SKU 112572](#))
- ➔ Craft Sand 1.3kg - Blue ([SKU 112575](#))
- ➔ Craft Sand 1.3kg - Yellow ([SKU 112578](#))



Flip over the page for links to the EYLF, Planning Cycle and Implementation/Extension tips



Take some of the guess work out of the 'why' behind the 'what' and let the Bellbird Playspace cards help guide you to create engaging and meaningful learning opportunities.



## THE BIGGER THOUGHTS

learning themes and connections

Wondering what topics and themes you might see children exploring whilst engaging in this playspace? Check out some relevant learning themes here:

- ➔ Weight measurement
- ➔ Maths concepts
- ➔ Comparison
- ➔ Hypothesising
- ➔ Investigation
- ➔ Volume measurement



## PROMOTING THINKING DURING PLAY

engaging with children

Help children to think deeper about the topics you're exploring by engaging with them during play! Use open-ended questions to challenge and develop children's thoughts and ideas about what they're learning. You could ask children:

- ➔ How can we see weight & volume?
- ➔ How do you know when something is heavy or light?
- ➔ What objects can we find in the classroom that weigh the same as \_\_\_\_\_? (pick an item to place on one side of your scales) How will we know they weigh the same?
- ➔ Introduce conceptual language such as: heavier/lighter, more/less, mass, weight, dense etc.



## LINKING TO THE LEARNING BEHIND PLAY

possible links to the early years learning framework

You might find children engaging in the follow learning outcomes from the EYLF:

- ➔ Learning Outcome 1.2: Children develop their emerging autonomy, inter-dependence, resilience and agency
- ➔ Learning Outcome 4.2: Children develop a range of learning and thinking skills and processes such as problem solving, inquiry, experimentation, hypothesising, researching and investigating



## EXTENDING PLAY: WHERE TO NEXT

extension ideas and prompts for continued inquiry

- ➔ Take learning even further and upscale the scales! Check out our [Wooden Balance Scales with Carabinas](#) These scales are fantastic for hanging outdoors or indoors and support children in further extending their exploration of weight to bigger objects in their environment.
- ➔ Take your graduated cylinders and experiment with volume and water. Give children an jug and hypothesise with pouring the same volume of water into the different size cylinders consider if more or less fits in each.
- ➔ Explore with children using their own body as a scale! Holding out their hands, place different amounts of your counting bears in each hand and ask them to tell you which *feels* heavier or lighter.



## EVALUATING EXPERIENCES

prompts for critical reflection

- ➔ What worked well and why? What will I do differently next time?
- ➔ What feedback did children give, and how can I include their voices in future experiences?



## MORE INSPIRATION

Want some more guidance and ideas on engaging environments? We've got you covered!



➔ [bellbird.com.au/inspiring-playspaces](https://bellbird.com.au/inspiring-playspaces)

