G'day Little Learners

80 Hands-on Activities!

STEM Discovery Activity Pack

Explore • Experiment • Build • Solve



Discover & Observe

Little Scientists

Build & Create

Think & Solve

80 Activities across 4 Fun Sections!

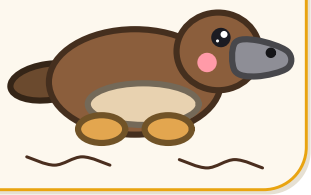
Ages 3–6

Welcome, Grown-Ups!

Simple science and creative problem-solving at home

A note from Sadia

Hello and welcome! Science is not about big words or fancy kits. It is about noticing, wondering and trying things out. These 80 activities use everyday things from your home and garden. You do not need to know the answers. Wonder together and be curious.



FOUR SECTIONS, 20 ACTIVITIES EACH

1 Discover & Observe

Look closely, listen carefully and notice the world around you.



2 Little Scientists

Predict, test and find out what happens.



3 Build & Create

Design it, build it, test it and make it better.



4 Think & Solve

Count, compare, measure and crack the puzzle.



WHAT'S INSIDE

- **80** activity cards
- **4** section checklists
- **6** parent guide pages
- **1** discovery tracker
- **2** science journal pages
- **1** certificate

ACTIVITY 01

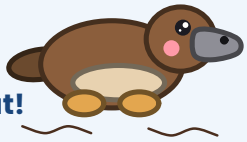
Will It Float or Sink?

Little Scientists | 15–20 mins | Ages 3–6





Section 2
Look, wonder, try and find out!



LEARNING QUESTION

What happens when we put different objects in water?

Done!

YOU WILL NEED

- Large bowl of water
- Large cork
- Large plastic spoon
- Large waterproof toy suitable for the child's age

HOW TO DO IT

1. Ask your child to predict what will happen.
2. Place one object into the water at a time.
3. Observe what happens.
4. Draw the results.
5. Talk about why some objects float and others sink.

MY PREDICTION

I think it will...

WHAT HAPPENED

Draw or write what you saw.

LEARNING FOCUS Observation, prediction, comparison and early scientific thinking

SAFETY Adult supervision required. Use age-appropriate objects and prevent access to small parts.

ACTIVITY 03

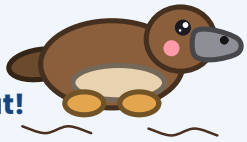
Colour Mixing Magic

Little Scientists | 15–20 mins | Ages 3–6





Section 2
Look, wonder, try and find out!



LEARNING QUESTION

What new colour will we make?

Done!

YOU WILL NEED

- Three clear cups of water
- Red, yellow and blue washable paint or food colouring (adult handles)
- A spoon and paper towels

HOW TO DO IT

1. Add red to one cup, yellow to another and blue to the third.
2. Predict what will happen if we mix two.
3. Pour a little red and yellow together.
4. Observe and name the new colour.
5. Try blue and yellow, then red and blue.

MY PREDICTION

I think it will...

WHAT HAPPENED

Draw or write what you saw.

LEARNING FOCUS Predicting, mixing and colour names

SAFETY Adult handles any colouring. Do not drink the water. Wear old clothes.

ACTIVITY 01

Paper Tower

Build & Create | 15–20 mins | Ages 3–6





Section 3
Look, wonder, try and find out!



LEARNING QUESTION

How tall can we build a tower using only paper?

Done!

YOU WILL NEED

- Six sheets of scrap paper
- Sticky tape (adult cuts it)
- A ruler or hand span for measuring

HOW TO DO IT

1. Think: how could paper stand up?
2. Roll or fold the paper to make strong tubes.
3. Tape the tubes upright and stack them.
4. Measure the tower in hand spans.
5. Make it taller. What helps it stay up?

MY PLAN: DRAW IT FIRST

HOW DID IT GO?

☆ ☆ ☆ ☆ ☆

I made it better by...

LEARNING FOCUS Engineering, balance and testing ideas

SAFETY A grown-up does the cutting. Use blunt child-safe scissors and keep small parts away.

Meet the Creator & the Series

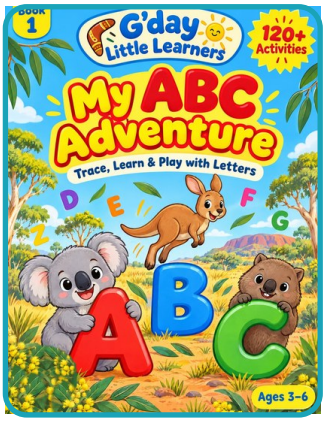
Sadia Afrin

Early Childhood Educator & Learning Resource Creator

Sadia designs simple, joyful activities that help little learners build confidence at home. Her philosophy is simple: Little learners, big discoveries!



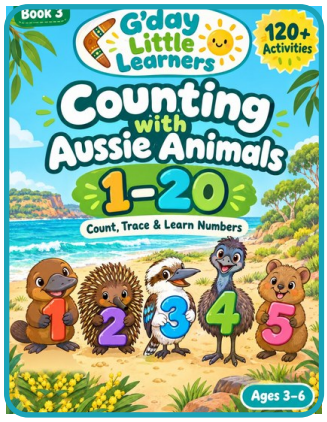
THE G'DAY LITTLE LEARNERS SERIES



Book 1: My ABC Adventure



Book 2: Phonics Fun with Joey



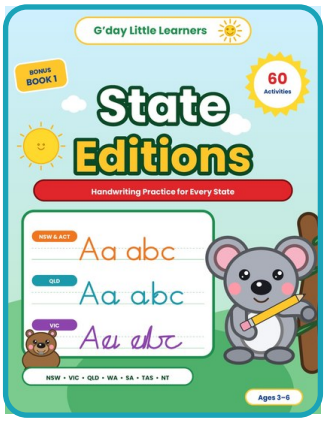
Counting with Aussie Animals



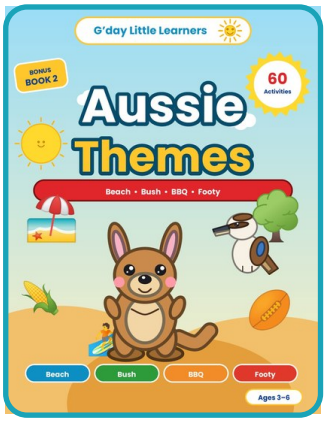
Book 4: Pencil Power



Book 5: Think & Play Puzzles



Bonus 1: State Editions



Bonus 2: Aussie Themes

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