



EARLY EDUCATION TOOL KIT

Series 1

Play School Science Time is here with fantastically fun science experiments! Using household items, children can discover their own way with DIY science experiments to encourage natural curiosity and build new understandings about their world. Join Luke & Rachael as they investigate, experiment and discover.



Time to investigate!

Each experiment in this 10-episode series explores key scientific concepts, supporting children to develop a range of skills and processes including:

- observing
- comparing
- classifying
- measuring
- communicating
- predicting
- hypothesising

Luke and Rachael model the use of mathematical and scientific language as they hypothesise, problem-solve and invent. Play School Science Time ignites children's natural curiosity about the world and how things work through science, technology, engineering and maths (STEM).

STEM learning not only encourages children to think critically and creatively, it also creates the foundation for further skills and a lifelong love of learning.¹ [Spend A Minute on STEM](#) via Early Childhood Australia before diving into these experiments with children.

View Science Time series 1 and 2 on [ABC Kids iView](#) or via the [ABC Kids app](#). Each episode is an engaging multimedia teaching resource, helping children communicate and learn through digital play.

¹ [Spend a Minute on STEM, Early Childhood Australia Professional Learning, 2020.](#)



Follow-up learning experiences

The Science Time Early Education Tool Kit supports teachers and educators to go from *viewing to doing*. Re-creating each experiment with children will link to the following Early years Learning Framework (EYLF) Learning Outcomes.

EYLF Learning Outcome 4.1:	Children develop dispositions for learning such as curiosity, cooperation, confidence, creativity, commitment, enthusiasm, persistence, imagination and reflexivity.
EYLF Learning Outcome 4.2:	Children develop a range of skills and processes such as problem solving, inquiry, experimentation, hypothesising, researching and investigating.
EYLF Learning Outcome 4.3:	Children transfer and adapt what they have learned from one context to another.
EYLF Learning Outcome 4.4:	Children resource their own learning through connecting with people, place, technologies and natural and processed materials.
EYLF Learning Outcome 5.1:	Children interact verbally and non-verbally with others for a range of purposes.
EYLF Learning Outcome 5.2:	Children engage with a range of texts and gain meaning from these texts.
EYLF Learning Outcome 5.3:	Children express ideas and make meaning using a range of media.
EYLF Learning Outcome 5.4:	Children begin to understand how symbols and pattern systems work.
EYLF Practice 3:	Learning through play.
EYLF Practice 4:	Intentional teaching.

