



# LITTLE SCIENTISTS AUSTRALIA

## 3-PART WEBINAR SERIES

### INSPIRE STEM - EXPLORE. PLAY. REFLECT

Young children are filled with questions about the world they live in: “Why do cats have fur?” “Why don’t bees make square honeycomb?” “Why is snow white but the ocean blue?” – Have you ever wondered how to answer their big questions?

STEM education is so much more than factual answers to complex questions and Little Scientists will show you how easy and uncomplicated it can be. In a series of live webinars, Little Scientists will introduce the concepts, methods and skills to early childhood teachers and educators. We will show you some simple techniques to cultivate children’s skills and excitement for STEM exploration, and our hands-on session will enrich your repertoire of STEM activities.



Completing this workshop will contribute 3 hours of NSW Education Standards Authority (NESA) Registered PD addressing Standard Descriptors 2.1.2, 3.3.2 and 6.2.2 from the Australian Professional Standards for Teachers towards maintaining Proficient Teacher Accreditation in NSW.



Completing this workshop will contribute 3 hours of ACT Teacher Quality Institute (TQI) registered PD.



## WEBINAR 1

### EXPLORE

Introduction to inquiry-based STEM learning

Monday, 21 September 2020

Time: 7:00pm - 8:00pm AEST

- Overview of early STEM education and inquiry-based learning, focusing on the importance of playfulness and joy as impetuses to scientific discovery and research
- Creating a rich learning environment and resourcing STEM activities to stimulate discoveries, enrich STEM learning opportunities and nurture curiosity in children and adults alike

## WEBINAR 2

### PLAY

Hands-on STEM exploration

Tuesday, 22 September 2020

Time: 7:00pm - 8:00pm AEST

- Interactive demonstrations of STEM explorations using items found around the home
- Discovering everyday phenomena and explanations of basic scientific concepts
- Learning techniques to find STEM explorations in everyday situations, making STEM accessible to young children

## WEBINAR 3

### REFLECT

Process to practice

Thursday, 24 September 2020

Time: 7:00pm - 8:00pm AEST

- Reflection on what has been learned so far, what has worked well and how to overcome challenges
- Discussion of next steps to integrate STEM exploration further in individual circumstance

The webinars are scheduled to run for one hour each and include a Q&A session and a networking opportunity. You will be engaged in hands-on STEM activities during the second session, for which you will receive a materials list in advance.

Questions? Email us at [workshops@littlescientists.org.au](mailto:workshops@littlescientists.org.au)