



## **Teacher Professional Learning**

Our 4 professional learning robotics courses align to ACARA and specific state curriculums. Our courses facilitate the development of teacher confidence and increase their digital capacity to embed robotics into their scope and sequence programs. Here at Robokids we use robotics as a medium for 21<sup>st</sup> Century learning which involves enquiry based problem solving catered to each year level, we also differentiate our courses for individual student capabilities. Please see our website and teacher testimonials.

We provide you with a list of aligned outcomes for each course. Robokids are an accredited provider of TPL through NESAs (NSW Education Standards Authority).

### **Completing this Early Years Learning course will contribute for proficient teachers:**

2 hours and 30 minutes of NSW Education Standards Authority (NESA) Registered PD addressing 2.6.2 & 6.2.2 descriptors from the Australian Professional Standards for Teachers towards maintaining Proficient Teacher Accreditation in NSW.

### **Completing this Stage 1 course will contribute for proficient teachers:**

2 hours of NSW Education Standards Authority (NESA) Registered PD addressing 2.6.2 & 6.2.2 descriptors from the Australian Professional Standards for Teachers towards maintaining Proficient Teacher Accreditation in NSW.

### **Completing this Stage 2 course will contribute for proficient teachers:**

2 hours of NSW Education Standards Authority (NESA) Registered PD addressing 2.6.2 & 6.2.2 descriptors from the Australian Professional Standards for Teachers towards maintaining Proficient Teacher Accreditation in NSW.

### **Completing this Stage 3 course will contribute for proficient teachers:**

2 hours of NSW Education Standards Authority (NESA) Registered PD addressing 2.6.2 & 6.2.2 descriptors from the Australian Professional Standards for Teachers towards maintaining Proficient Teacher Accreditation in NSW.



### **Robots Used:**

Kinder/Foundation/Reception/Preschool	Bee Bots
Year 1 - 2	We Do Lego 2.0
Year 3 - 4	Spike
Year 5 - 8	EV3 Mindstorms

### **Costs 2.5 hours – Half Day**

- 1 Robot type ie Bee Bots \$650 (up to 15 staff each extra staff member \$50)
- 2 Robot types ie Bee Bot and We Do 2.0 Lego \$1300 (up to 15 staff each extra staff member \$50)
- 3 Robots types \$1950 (up to 15 staff each extra staff member \$50)
- **Your staff choose which session they will attend if applicable for a whole school TPL**
- Travel Fees are in addition to these costs if travelling interstate

### **What we bring**

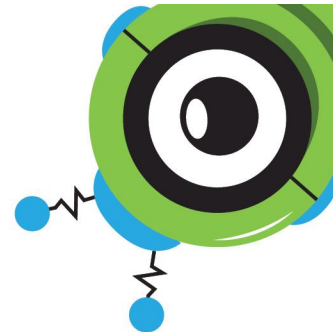
- All Robots, laptops and iPads
- Staff worksheets for the session
- Aligned outcomes for each Stage, aligned to ACARA Digital Technology & specific state English Maths & Science Curriculums.
- Certificates for staff

### **Staff will need**

- A USB if using EV3 to save their programs for EV3 program
- May use their own device

### **We Need**

- Workspaces with smart boards
- A parking spot as we have quite a bit of gear to bring along.



## Overview TPL Session

- Introduction to Robotics (15 mins)  
"Why Robotics is a fantastic medium for STEM & 21st Century Education"
- Break into Robotic Sessions: (2 Hours)
- Robotic programming
- Robokids instruction
- Staff reflection and validation

*"Robokids Teacher Professional Learning exceeds staff expectations, schools highly recommend our courses, hands on approach, given time to align to our programs, very well spoken & thorough presenters who showed patience for those staff who initially lacked confidence".* **Kelly O'Reagan E Learning Coordinator - Oxford Falls Grammar**

*"Thanks Michele and Melissa - loved it!  
Such a weight off my shoulders to know that all the teachers had such a great intro to robotics and can get started next term. Very positive vibe here.  
Hoping to continue working with you this year - will keep in touch."*  
**Robina Joselin STEM Coordinator - Wakehurst PS**

**Teachers from Footscray Learning Precinct VIC – Footscray PS & Footscray City PS Had a combined TPD afternoon. They loved**  
*"Opportunities to collaborate like this, opportunities to build on professional development together." "Continued joint PD, collaborative teaching sessions between both schools to build relationships between the two schools." "working together has enabled us to collaborate and share ideas across schools."*

