

# Introductory Robotics Workshop using LEGO® Education EV3 Robotics (focusing on the RCJA Soccer Competition)

**Target Audience: School or Library staff with an interest in Robotics**

This workshop is for experienced users and people who have already attended an MTA Introductory Workshop.



## Integrate STEM subjects using LEGO Education EV3. Introduce your students to coding through RCJA Soccer.



Discover why now more than ever robotics is fast becoming a major tool in the classroom for teaching Science, Technology, Maths, Literacy & more. **RoboCupJunior Australia (RCJA)** is a project-oriented educational initiative that supports local, regional & international robotic events for Primary & High school students. Teams work in a cooperative & supportive environment developed by volunteer groups of teacher, past competitors & industry members in three distinct challenges; **On Stage** (formerly Dance), **Rescue & Soccer**. The focus of RoboCupJunior is the development of teamwork skills as well as technical skills in an environment of participation, fun & excitement. For more information on RobocupJunior Australia please refer to the website [www.robocupjunior.org.au](http://www.robocupjunior.org.au) This Introductory RobocupJunior Rescue workshop is conducted by Modern Teaching Aids and the RCJSA Committee.

### Teachers attending this workshop will:

- Further develop their understanding of programming with the EV3 robotics system
- Create programs incorporating variables and mathematical algorithms
- Use advanced sensors such as those used in the RoboCup Jnr Australia competition
- Learn advanced programming techniques
- Learn EV3-G shortcuts and use of Bluetooth

The activities involved will be centred around the **RoboCup Junior Australia (RCJA)** Soccer Competition.

## About the Presenter



**James Dwyer** is a teacher with a passion for robotics, who loves to share his knowledge and excite other teachers! James has substantial experience as a facilitator of robotics workshops, from beginning to advanced. He is heavily involved in RoboCup Jnr Australia competitions and has mentored numerous teams to success at the highest levels. James has a warm and engaging presentation style and his supportive approach to learning makes him a great workshop presenter.

## Workshop Details

### When:

**Tuesday 29 May 2018**  
**9.30am – 3.00pm**

### Where:

Education Development Centre  
4 Milner St, Hindmarsh SA

### Workshop Fee:

\$149.00 including GST  
BYO laptop with the latest EV3 software downloaded from <https://education.lego.com/en-au/downloads>

**Maximum 3 teachers per school.**

**All participants will receive a certificate of attendance. Morning tea & lunch will be provided.**

To register for this workshop please email [workshops@teaching.com.au](mailto:workshops@teaching.com.au) or fax bookings to (02) 9938 0495

An email will be sent to confirm your booking.

Booking Contact Name: \_\_\_\_\_

School: \_\_\_\_\_

Suburb: \_\_\_\_\_

Email: \_\_\_\_\_

Phone: \_\_\_\_\_

Participant's Names: \_\_\_\_\_

All enquiries please email [workshops@teaching.com.au](mailto:workshops@teaching.com.au). Bookings are essential as numbers are limited. No refund for last minute cancellations. Visit us online at [teaching.com.au](http://teaching.com.au)

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