**Noosa Robotics Academy Day – Friday April 26 (Week 1 Term 2) – Cost : Nil**

Robocoast & Peregian Digital Hub would like to invite you to take part in an exciting opportunity to develop student and teacher’s skills in building and programming EV3 Mindstorms robots. On **Friday April 26 2019**, our award winning Sunshine Coast robotics group will hold an EV3 Robotics immersion day at **Noosaville State School**.

The event is open to all schools, colleges, students and their staff. This robotics academy day is free aind is aimed at school groups looking for a way to start their robotics program or club. Ideally school groups would arrive with an EV3 robot, USB cable and laptop, between every 2 students and bring no more than 10 students per session. We will be able to confirm final numbers after each school has responded whether they are attending or not. A **separate session is available** for more advanced students and staff which would include line following, colour switch blocks, variables, wired sensors and acceleration. See booking form below.

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| --- | --- |
| **Date** | **Friday April 26 2019** |
| **Venue** | **Noosaville State School** |
|  |  |
| **Proposed Schedule****for beginner session** | 9.30 am Welcome and Principal’s address9.45 am Meet the RoboKings and RoboGems and hear a RoboCoast success story10.00 am How to build a basic EV3 Riley Rover Robot with claw, ultra-sonic & light sensors10.30 am Morning tea break (BYO)11.00 am How to drive your robot and use its sensors11.30 am Design and program a Mindstorms Sumo Robot – learn the rules12.30 pm Lunch (BYO)1.00 pm Practice RoboSumo competition – round robin2.00 pm Thanks and farewell |
| **Schools without EV3 robots** | We have a limited number of spare EV3 robots and laptops available, first come, first served.Please email Simon Richardson at srich252@eq.edu.au to book these. |

This initial immersion day is aimed at training rookie school teams up to a standard that they can compete in the **RoboCoast Sumo Robot Competition**, pencilled in for **Friday May 3** at Mountain Creek State High School. Last year this was Australia’s largest Sumo Robot Competition and is a great event for all abilities. **The Sunshine Coast Robotics Competition** will follow later in the year with a range of Sumo and RoboCup events, held at Good Shepherd

Lutheran College.

Please RSVP to Simon Richardson using the form below, on email srich252@eq.edu.au before **Weds April 24 2019**, with spare EV3 robots being allocated on a first-come-first-served basis. Images of last year’s event are [here](https://www.robocoast.tech/2018-immersion-day-i). **Warning** – places get booked out very quickly!

Yours sincerely,



Simon Richardson

On behalf of RoboCoast

[www.robocoast.tech](file:///C%3A%5CUsers%5Csrich252%5CAppData%5CLocal%5CTemp%5COneNote%5C16.0%5CNT%5C24%5Cwww.robocoast.tech)

0409 230 228

srich252@eq.edu.au

**Noosa Robotics Academy Day – Friday April 26 - Noosaville State School**

 **REGISTRATION FORM**

A confirmation email with further details about catering and a map, will be sent out after registration.

|  |  |
| --- | --- |
| **School Name:** |  |
| School Contact Name: |  |
| School Contact Email: |  |
| School Contact Phone: |  |
|  |  |
| **Basic Immersion Session** | Cost: Nil |
| Number of students attending: |  |
| Number of staff attending: |  |
| Number of loan laptops needed: |  |
| Number of loan EV3 robots needed: |  |
|  |  |
| **Advanced Immersion Session** | A knowledge of driving and using ultrasonic and light sensors is a prerequisite – Cost: Nil |
| Number of students attending: |  |
| Number of staff attending: |  |
| Number of loan laptops needed: |  |
| Number of loan EV3 robots needed: |  |

Additional Comments:

