

# ***Northern Robocup Junior Regional.***

## ***Registration for the event***

We are approaching that time when we here at East must finalise our preparations for the staging of the Northern RoboCup Junior Regional to be staged at East Launceston Primary School on Saturday, August the 11<sup>th</sup>. Registrations close on Friday the 3<sup>rd</sup> of August, so you still have a few weeks to determine your school's participation. The canteen will be open on the day. I will be emailing participating schools a menu prior to the event.

Even if you think your students are a little "raw", this event will be very relaxed and a great learning opportunity for your robotic students. The event may also act as a good training ground in deciding whether your students would like to enter the state final to be staged at Hobart's UTAS on Saturday the 1<sup>st</sup> of September and Sunday the 2<sup>nd</sup> of September.

Please email me at ([john.bardenhagen@education.tas.gov.au](mailto:john.bardenhagen@education.tas.gov.au)) outlining your school's involvement including information about the teams you are entering and in which competitions. I can be contacted here at East on 63311233.

Following is a registration example. When emailing me with your team/s, please follow the example protocol.

## **East Launceston PS**

### **Rescue Team.**

Team Name : **The Possibles.**  
Organisation: East Launceston Primary School.  
Mentors Name: Trevor Higgin.  
Mentors Email: [trevorhiggin@netspace.net.au](mailto:trevorhiggin@netspace.net.au)  
Division Entered: Rescue  
Team Members Names:  
Conall Cassidy  
Liam Ransome.

## **Competitions.**

Teams can participate in **Rescue** (less than 2 years experience), **Premier Rescue** (open), **Junior Dance**, **Senior Dance**, **Junior Dance Theatre** or **Senior Dance Theatre**.

For information booklets that explain the competition rules for 2012, you will need to go to [www.robocupjunior.org.au](http://www.robocupjunior.org.au) .

If you are intending to field soccer teams, please let me know. Even if we have it set up as a demonstration event, as we did last year, it would be an excellent opportunity to showcase your students' achievements.

**Getting there:** East Launceston Primary School is on the corner of Abbott Street and Mary Street.

**Parking:** Parking in Mary Street is best; however, there are a large number of side streets that can be used.

**Food:** *The great news is that our school canteen will be opened for the entire day; this includes morning tea, lunch and afternoon tea. The canteen will have an abundant supply of tasty treats and will be professionally run by student volunteers and teaching staff. Tea and coffee will also be available in the quadrangle adjoining the Gilligan Hall.*

**Event Organiser Detail (as best we can anticipate).**

|                | <b>Dance</b>   | <b>Rescue</b>   | <b>Soccer</b>  |
|----------------|--|---|--|
| <b>9:00am</b>  | <b>9:00am</b><br>Venue open for organisers   |   |  |
| <b>9:30am</b>  | <b>9:30am</b><br>Venue open for entrants.<br>Confirmation of registration.<br>Access to competition area for calibration and testing.<br>Interviewer / judge / referee volunteers to be drafted. |   |  |
| <b>10:30am</b> | <b>10:30am - 12:30pm</b><br>Dance Theatre preliminaries-<br>May include interviews   | <b>10:30am - 12:30pm</b><br>Dance preliminaries.<br>Will include interviews | <b>10:30am - 12:30pm</b><br>Rescue and Premier Rescue preliminaries.<br>May include interviews |
| <b>1:00pm</b>  |  | <b>1:00pm – 2.15pm</b><br>Rescue finals<br>Premier Rescue finals            |  |
| <b>1:45pm</b>  | <b>1:45pm - 2:30pm</b><br>Dance finals   |   |  |
| <b>2:30pm</b>  | <b>2:30pm - 2:45pm</b><br>Presentations (all events)   |   |  |
| <b>3:30pm</b>  | <b>3:30pm</b><br>Venue closed  |   |  |

The following information is from Robocup Junior and outlines some important specifics,

### ***Expectations for the event***

The aim of RoboCup Junior is to create an entertaining and educational experience for all involved. To achieve this we all must create a spirit of collaboration, rather than competition. It is hoped that all entrants respect this aim.

Additionally, the following expectations are intended to help make the event as enjoyable as possible for everyone involved. Please adhere to these and remind others if they are unaware of them.

- Cameras with **flash and auto focus may not be used** in the venue. Please ensure that all cameras have their flashes turned off and are set to manual focus.
- All movement and behaviour is to be of a subdued nature.
- Students must only leave the venue under the permission of their guardian (teacher, parent, adult team mentor).
- In general, ONLY student competitors will be allowed in the Setup area after 10.00 am.
- Participants are not to touch robots or equipment from another team. (Many months or even years of work have gone into some of the robots!)
- Do not leave valuable equipment unsupervised.

### ***On arrival***

On arrival at the venue, you should immediately proceed to the Registration Desk where:

- Team arrival will be noted.
- Any updated event information will be supplied.
- Dance teams will submit one copy of their music (with information regarding team name & track number etc).

During the course of the day teams may be required to have a team interview (see below).

Make sure you are aware of the times you are required to compete. It is YOUR responsibility to make your way to the competition area at the scheduled times.

### ***Remember to bring***

- Two copies of music for Dance (on mp3 CD or audio CD). One for the performance and one spare.
- Laptop computer (and IR tower or USB cable, etc.) for downloading programs.
- Tubs to hold equipment.
- Copy of the Rules relevant to your entry.
- Power boards. A single power outlet for each team will be provided in the set up area.
- Spare batteries (or battery pack).
- Battery charger (if required).
- Spare part for robots (e.g. spare LEGO).
- Tools for repairs.

### ***Rules (Dance, Rescue, Soccer)***

It is important that teams are thoroughly familiar with the 2012 rules for their challenge.

The complete set of RCJA Rules can be found on the RoboCup Junior Australia website under each Challenge heading:

<http://www.robocupjunior.org.au>

### ***Light conditions***

The organisers will endeavour to block out as much natural light as possible and keep light level even throughout the event. Time will be allocated at the start of the day for teams to calibrate their programs.

### ***Interviews and logbooks***

Teams in the Dance competition will be required to attend an interview throughout the day providing there are enough volunteer interviewers. Rescue and Soccer teams may be required to attend an interview depending on timing and numbers of teams at each event. All teams are recommended to have a log book of their progress to get to the event – this is a great help for Interviewers.

### ***Certificates, trophies, prizes***

A trophy/medallion will be awarded to the winner of each competition and every participant will receive a certificate.

The questionnaire below is not only of benefit to organisers, but also allows your team/s to focus on the technical nature of their entry.

Students are requested to complete this Questionnaire prior to the event and submit it on arrival to the venue. You may attach diagrams, photos, journal entries, etc. to support your explanations.

Team name:

School:

Challenge entered:  Dance (Junior)       Dance (Senior)  
 Rescue       Premier Rescue  
 Soccer

List team members and write their roles within the team (builder, programmer, manager etc.)

| Name | Role(s) |
|------|---------|
|      |         |
|      |         |
|      |         |
|      |         |

Robot name(s):

What platform have you used to build your robot(s)? (RCX, NXT, Microbric, Fischer Technik, etc.)

What part in the construction of the robot(s) are you particularly pleased about?

Have you added additional equipment to the manufactured platform?

If yes, please describe the additions:

Who manufactured the additions?

Did you do any research into your robot design? (If yes, please give some examples.)

What programming language have you used on your robot? (ROBOLAB, NXT-G, RobotC, NQC, Java, etc.)

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What was the hardest part of the programming to master?

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Where did you get your ideas?

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Which parts did your teacher have to guide you in?

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What aspect(s) of robotics have you learnt most about?

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What aspects of working with others have you learnt most about?

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Dance entries only:

a) What song have you used?

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b) Please give a brief description (i.e. the 'story') of your performance.

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***Declaration of Authenticity***

The information provided on the Questionnaire is true and correct. The work on the robots is essentially the work of the team members signed below.

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|                           |             |
|---------------------------|-------------|
| <b>Mentor's signature</b> | <b>Date</b> |
|                           |             |