

North West Regional RoboCup Junior Regional tournament 2011

Information Pack

Registration for the event

To register for the North West RoboCup Junior Regional to be staged at Table Cape Primary School on Saturday, August the 13th, you will need to go to www.robocupjunior.org.au. Go to the "North West Regional" registration link underneath the "Tasmania" link (<http://www.robocupjunior.org.au/node/61>).

Registration cost for each team is \$20. The school will receive an invoice for this just prior or just after the event.

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 every one 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.
- Warm clothes – you just never know!
- A drink (and some food)

Getting there:

Table Cape Primary School is located in Wynyard in Gibbons St. It doesn't have a street number, and Gibbons St is rather long! It's at the Western end, beside the lawn cemetery.

Parking:

Plenty of space available

Food:

A small canteen will be set up on the day selling tea/coffee; lunch items. It will open around 10:00am.

Rules (Dance, Rescue, Soccer)

It is important that teams are thoroughly familiar with the 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. 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.

Students from each team are required to fill in the questionnaire (available at the end of this document) and hand this in at registration. This questionnaire is not only of benefit to organisers, but also allows your team/s to focus on the technical nature of their entry.

Certificates, trophies, prizes

A trophy will be awarded to the winner of each of the five challenges where each of these categories are contested at the regional event.

Dance (Junior), Dance (Senior), Dance Theatre (Junior), Dance Theatre (Senior), Junior Rescue, Senior Rescue, Premier Rescue, Soccer and Novice League Soccer.

Event timing

8.30 – Venue open to organisers

9.30 – Venue open to competitors

10.30 – Events commence

2.30 – Events conclude

2.40 – Presentations

3.00 - Venue closed

Please note: Commencement times are firm, however, depending on the number of competitors the conclusion/presentation times may be earlier. Participants will be notified in the days leading up to the event if there is any change to the above times.

Rules (Dance, Rescue, Soccer)

It is important that teams are thoroughly familiar with the 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. 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.

Students from each team are required to fill in the questionnaire (available at the end of this document) and hand this in at registration. This questionnaire is not only of benefit to organisers, but also allows your team/s to focus on the technical nature of their entry.

Certificates, trophies, prizes

A trophy will be awarded to the winner of each of the five challenges where each of these categories are contested at the regional event.

Dance (Junior), Dance (Senior), Dance Theatre (Junior), Dance Theatre (Senior), Junior Rescue, Senior Rescue, Premier Rescue, Soccer and Novice League Soccer.

Event organiser details

Mark Smithies
mark.smithies@education.tas.gov.au

Venue organiser details

Michael van der Ploe
michael.van.der.ploe@education.tas.gov.au

RoboCup Junior Interview Questionnaire

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 you explanations.

Team name:

School:

- Challenge entered:
- Dance (Junior)
 - Dance (Senior)
 - Dance Theatre (Junior)
 - Dance Theatre (Senior)
 - Rescue
 - Senior Rescue
 - Premier Rescue
 - Novice League Soccer
 - 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.)

| |
|--|
| |
| |

What was the hardest part of the programming to master?

| |
|--|
| |
| |

Where did you get your ideas?

| |
|--|
| |
| |

Which parts did your teacher have to guide you in?

| |
|--|
| |
| |

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

| |
|--|
| |
| |

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

| |
|--|
| |
| |

If you had more time to prepare, what would you have done to design or programming?

| |
|--|
| |
| |
| |
| |

Dance entries only:

a) What song have you used?

| |
|--|
| |
|--|

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

| |
|--|
| |
| |
| |
| |

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.

| | |
|--|--|
| | |
| | |
| | |
| | |
| | |

| | |
|---------------------------|-------------|
| Mentor's signature | Date |
| | |