RoboCup Junior (Australia)
2010 DANCE AND DANCE THEATRE INTERVIEW

Team Name: _____

School: _____ State: _____

(tick one)
PRIMARY

SECONDARY

TEAM ID

JUDGE ID

Robot Design & Construction The appearance and construction of the robot shows…	TOTALS
Design & construction was largely students' own Commercial robot = 0, commercial kit = 1-2, hand-built = 3-4	/4
Design & construction resulted in a stable build	/2
Gearing, linkages, pivots, (other non-basic features) used in design and drive mechanisms (reward design for complexity IF it aids movement)	/2
Students successfully addressed problems of robot balance and structural soundness in design in performance application (eg: how did you stop x from becoming loose during the performance? What have you done to prevent your robot(s) breaking if they fall?)	/4
Evidence of authenticity and evolution (Logbook, journal, photographic record or similar provided to convey ideas tried and discarded, progressive evolution of students' design and original ideas.)	/6
TOTAL	**/18**
Programming and Preparation **Through experience, research and teamwork the team shows:**	
They can explain, describe and understand their program thoroughly (eg: what does this section of program tell the robot to do? If I changed this part to become x, what effect would that have on the robot?)	/4
Complex, innovative or original programming used or programming level appropriate to age and expertise level[1] (eg: use of jumps/lands, loops, nested sections, blocks, switch statements, creation of own icons or sequences, etc)	/4
They are able to explain connections between the program and music selected (eg: How do you get your robot to synchronise to (DANCE) or integrate with (DANCE THEATRE) the music chosen?)	/4
They learnt from their experience in preparing for the competition?	/2
They shared their learning with others? (eg: How did you work as a team? Share the tasks? How did you make decisions? If only one member of the team, what did you do to share your learning with others?)	/2
TOTAL	**/16**
Sensors & Technology **Robot shows…**	TOTALS
Use of sensors &/or communication: (eg: programming to respond to sensors, use of sensors to trigger next part of performance, evidence of programming to keep the robot within the stage boundaries, effectiveness of sensors used, use of communication between robots to assist location, timing, etc)	/3
Use of other technologies: (eg: use of unusual technologies such as infra-red, sonar, GPS, in-built timer to monitor duration of performance, etc)	/3
TOTAL	**/6**

[1]*Servo motors do not use programming structure comparable to rotary motors – judges should make allowance for this when scoring robots using such programs.*

TOTAL SCORE /40