RCJI (Bremen) 2006:
DANCE **INTERVIEW** EVALUATION

TOTAL SCORE /23

Team Name: _____

Country: _____

Division: ***Primary*** *or* ***Secondary*** *(circle one)*

tick number of points scored for each criteria **NOTE: SEVERAL CHANGES FROM 2005**

POINTS 0 1 2 3	**Robot Design & Construction**** **The appearance and construction of the robot shows…**	**TOTALS**
☐ ☐ ☐ ☐	Design & construction was largely students' own Commercial robot = 0, commercial kit (eg: Lego) = 1, hand-built = 3	/3
☐ ☐ ☐	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 (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?)	/3
	TOTAL	**/8**

POINTS 0 1 2 3	**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?)	/3
☐ ☐ ☐ ☐	Complex, innovative or original programming used or programming level appropriate to age and expertise level[1] (eg: use of jumps/lands, loops, nested sections, creation of own icons or sequences, etc)	/3
☐ ☐	They are able to explain connections between the program and music selected (eg: how do you get your robot to synchronise to the music chosen?)	/1
☐ ☐ ☐	They were able to work as a team[2] (eg: how did you share the tasks? How did you make decisions?)	/2
	TOTAL	**/9**

POINTS 0 1 2 3	**Sensors & Technology**** **Robot shows a…**	**TOTALS**
☐ ☐ ☐ ☐	Use of sensors: (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, 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**

*****aspects of this section also assessed in performance***

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

[2]if only one member in this team, delete this criteria and mark the section out of 7: indicate this on the sheet!

☐ ***Keep this team in mind for an award for*** _____