**Dancing Robot Sample Rubric**

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|  | Extra Credit | A | B | C | F |
| Programming | Program uses advanced techniques including blocks from the complete palette, flow blocks, etc | Program is straightforward and efficient, using loops and parallel sequences as necessary. Program directs attached output devices to dance. | Program is straightforward and easy to understand. Program is inefficient and could use constructs such as loops. | Program is poorly written or difficult to understand. Program has unused parts or does not correctly control robot. | Pogram does not work. |
| Choreography | Dance has at least 10 different dance moves. Dance matched music precisely. Robot changed actions as music changed tempo or rhythm | Dance has at least 6 different dance moves. Dance is varied and entertaining. Dance is choreographed to match music | Dance has at least 4 different dance moves. Dance is repetitive. Dance lasted for 45-60 seconds or 120-150 seconds | Dance has 3 different dance moves. Dance lasted for 30-45 seconds or 150-210 seconds. Dance did not match music. | Robot did not move or did not appear to dance. |
| Construction | Robot constructed using advanced gearing or other advanced construction techniques. Robot demonstrates extraordinary creativity. | Robot is of sound construction: nothing falls off, robot works as intended. Mechanics used well to achieve dance moves desired. | Robot dances as intended, but some extraneous parts fall off. | Robot does not work as intended, but does move. Robot falls apart. Very simple construction – mechanics not used well. | Robot falls apart or does not move at all. Construction appears careless or haphazard |
| Entertainment Value | Presentation is unusually creative. Humans dance with robot. Costume, props, etc enhance robot. | Audience is entertained by robot, presentation, etc. Robot runs correctly the first time. | Presentation is not smooth: robot must be restarted | Problems occur but robot does eventually run mostly correctly. | Robot does not compete. |
| Cooperation | Student(s) helped other groups | Student worked well with group. Student participated actively in all parts of project | Student worked somewhat well with group. Student participated in most parts of project | Student had trouble working with group. Student participated in few parts of project. | Student did not participate in project. Student sabotaged others’ work. |