| Team | Judge | Score |
|---|---|---|
| | | |

Directions: For each skill area, circle the box that best describes the team's accomplishments. If they are in between two levels, mark the middle. Use the comment section for notes to help you remember the teams..

| | Beginning 1 | Developing 2 | Accomplished 3 | Exemplary 4 |
|---|---|---|---|---|
| MECHANICAL DESIGN | DURABILITY Evidence of structural integrity and the ability to complete the Robot Performance competition. | | | |
| | Robot chassis **fragile**, breaks when handled or run | Robot chassis **somewhat stable** but requires some repairs | Robot chassis **stable** with few required repairs | Robot chassis of **solid construction**, no repairs |
| | LOCOMOTION AND NAVIGATION Robot can move to the desired location with appropriate speed and accuracy. | | | |
| | Imbalance of speed/accuracy **on all tasks** attempted. | Imbalance of speed/accuracy **on some tasks** attempted | Appropriate balance of speed/accuracy **on most tasks** attempted. | Appropriate balance of speed/accuracy **on all tasks** attempted. |
| | ACTUATORS AND MANIPULATORS Robot uses actuator (robotic arm) and/or other attachment to complete tasks. Efficient use of time to implement, modify, and/or repair. | | | |
| | **Actuator not used**. Attachment is weak or falls apart. Task not accomplished. | **Actuator used** but difficult to implement and difficult to complete task. | **Appropriate** actuator use and easy to implement, repair, or modify | **Efficient and appropriate** actuator use and implementation. |

Comments

| | | | | |
|---|---|---|---|---|
| PROGRAMMING | NAVIGATION Robot moves or acts as intended using mechanical and/or sensor feedback. Robot uses sensors or mechanical design to determine position on the field. | | | |
| | No mechanical/sensor feedback. **Robot totally dependent upon driver.** | Mechanical/sensor feedback ineffective. **Frequent driver intervention** to aim or rescue robot | Effective mechanical/sensor feedback. **Some driver intervention** to complete tasks or rescue. | Robot moves/acts as intended every time with **no driver intervention** |
| | PROGRAM EFFICIENCY Programs are streamlined and understandable. | | | |
| | **Excessive code**; difficult to understand. | **Inefficient code** but understandable. | **Appropriate** code; easy to understand. | **Streamlined and efficient** code; easy to understand. |

Comments

| | | | | |
|---|---|---|---|---|
| CHILDREN DID THE WORK | MECHANICAL DESIGN & CONSTRUCTION Robot design and build are the original work of the team members. | | | |
| | **No understanding** of the robot's design or function.<br><br>The building appears primarily to be DONE by adults (adults working on the robot) | **Minimal understanding** of the robot's design and/or function.<br><br>The building seems primarily DIRECTED by adults | **Adequate understanding** of the robot's design and function.<br><br>Building mostly by team members; GUIDANCE from adults | **Thorough understanding** of the robot's design and function.<br><br>Building was done by team members only. |
| | PROGRAMMING Programs are the original work of the team. Only members are allowed to use the computer. | | | |
| | Programming primarily DONE by adults (adults using laptops) | Programming primarily DIRECTED by adults | Programming mostly directed by team members; GUIDANCE from adults | Programming was done by team members only. |

Comments