**Categories**



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| **Category** | **Level** | **Summary** | **Option** |
| Kinder Mission | Kindergarten  6-7 years old  (2008.8.1-2009.8.1) | solve simple addition or subtraction question. Find and deliver the dice with correct answer. | Compulsory for kindergarten |
| STEAM Mission | Elementary  7-12 years old  (2003.8.1-2008.8.1) | Solve robot quiz and calculation quiz. complete the mission | Compulsory for elementary |
| R-Sports Mission (individual - Golf) | Elementary  7-12 years old  (2003.8.1-2008.8.1) | Similar to Golf game. send the ball in to hole cup. Par3, Par4, Par5 | Compulsory for individual  all round |
| R-Sports Mission  (group - Soccer) | Elementary  7-12 years old  (2003.8.1-2008.8.1) | 3 members with 3 robots in each team. Robot soccer game. | Compulsory for group  all round |
| Coding Mission | Elementary ~ Junior high  7-15 years old  (2000.8.1-2008.8.1) | Autonomous programmed line- tracing game. | Optional |
| Creative Design | Kindergarten ~ Junior high  6-15 years old  (2000.8.1-2009.8.1) | Build and present the robot on given topic | Optional |

**Award**



**Category award** : Gold, Silver, Bronze to each categories (5 categories).

**Special award** (Creative Design) : Gold, Silver, Bronze to Kindergarten league and Gold, Silver, Bronze to Elementary league.

**Individual all round** : Gold, Silver, Bronze according to highly ranked student when add up the result from Steam Mission and R-Sports Mission - Golf (Robot Champion!)

eg.) Participant A: Steam 1 st place, Golf 5 place, Participant B: Steam 2 place, Golf 2 place, Participant B wins the Gold .

Participant C Steam 1st place, Golf 2 place, Participant D: Steam 2 place, Golf 1 st place, (When there is tie) higher rank in Steam category wins. C wins the Gold

**Group all round** : Steam Mission and R-Sports Mission – Soccer. add up all scores from each team member’s Steam result and give award.

Eg) When Team A got 1st place and Team B got 2nd place in soccer. All members of team A get 1 points and all member of Team B gets 2 point.

When result of Team A member are 2nd, 6th and 7th (total score = 2+6+7 = 15) When result of Team B member are 1st, 3th and 4th (total score = 1+3+4 = 8) ,

Final score of Team A is 18 : (Soccer) 3 points (1 points X 3 members) + (STEAM) 15 points.,

Final score of Team B is 14 : (soccer) 6 points (2 points \* 3 members) + (STEAM) 8 points

Team with lower points which is team B wins!!!

**Certificate**

- Participant who scored over 120 out of 200 in Steam Mission is qualified to be “IYRC Junior Robot Master” (Fees will be applied for issuing the certificate)

* The person must take written test on robotics theory and score over 60 points.
* Expected questions will be distributed to national partners. Participants can take the test in preferred language.