



A. Category

Name of Category: Space Challenge

Date and Time: November 12, 2017 11:00 AM- 1:00 PM

Robotics: Lego Mindstorms EV3/NXT

Entries: 12 teams (3 persons/team)

Fees: ₱1,500 per team

Short Description: Contestants ages 10-18 years old will complete the 7 missions in the Space Challenge mat in 3 minutes or less. The baseboard for this competition is available at Compass Education

B. Rules and Mechanics

Registration

- The Space Challenge competition is composed of 1-3 persons.
- Each team is required to have a team name and a supervising coach. The coaches do not need to be in the related STEM field. They must be present at every training/prototyping session.
- The members must submit a completed registration form and a fee of ₱1,500 per team regardless of the number of contestants per team. If you are a public school and need assistance with the fees, please call us at 0917-629-4942 Globe or 0932-769-8893 Sun. If you are out of Cebu City, we will provide you with bank information for your deposit.
- The team members must submit their t-shirt sizes. If you are unsure about your size, ask a Compass Education staff member to assist you with sample sizes.
- Registration, payment, scheduled training, description of robots and t-shirt sizes must be completed on or before October 10, 2017.
- The Liability Waiver and Release of photography and videography should be completed and signed. The signed copy can be given to Compass Staff or emailed (scanned).

- Each category has a limited number of entries. Competitions in each category will be closed as soon as it is filled.

Pre-Competition

- Teams can schedule their practices at Compass Education. This by appointment only. Practice sessions are limited to 3 hours and each team has 6 practice sessions.
- Teams need to let Compass Education know if they will miss their scheduled practice sessions. As practice slots are limited, there may not be time for make-up but Compass Education will try its best to accommodate a make-up practice session.
- Teams need to practice with their coach. Teams without a coach or supervising adult will not be allowed to practice.
- A practice session can also be scheduled on November 11, 2017 at the venue during mall hours. Each practice session is 45 minutes only to accommodate all teams.

Competition Day

- Each member of the team must wear their competition t-shirt given by Compass Education or their respective school uniforms. Teams are responsible for obtaining permission from their schools to wear their school uniform.
- Competitors must register at the registration table to gather their name badge at least 30 minutes before their scheduled competition time.
- Coaches and family members are not allowed on the competition floor.
- Each team will bring their own laptop with no prior programs stored on it.
- Marshalls will check the Lego Mindstorms software and EV3 bricks. Teams who have saved programs on their software will be disqualified.
- Each team will provide their own Lego Mindstorms EV3 kit that is not assembled. Marshalls will check the kits. Kits that have pre-assembled robots will be disqualified.
- Teams will have 2 hours to build and program their robots.
- Teams will have the opportunity to test their robots for 5 minutes only provided it is within the two hour building and programming time frame.
- Each team will be given 3 minutes to complete the 7 missions.
- All robot modifications such as additions need to be done while the robot is on the base. Once the robot leaves the base, contestant can no longer modify it.
- Each team will have an opportunity to complete the missions twice. Both scores will be averaged to obtain the final score.

Awarding

- Awarding for all Categories will be at 4:00 PM on November 12, 2017.
- All contestants are requested to be there to receive their awards.
- A letter and a congratulatory tarp will be given to the schools of the winning contestants.

C. Scoring

Scores will be given only if each mission is completed. The missions can be completed in any order.

Mission No.	Mission	Points
1	Launch the Satellite into Orbit	10
2	Return the Rock Samples to the base	30
3	Free the MSL Robot	10
4	Activate Communications	10
5	Secure the Power Supply	20
6	Assemble the Crew	10
7	Initiate Launch	10

D. Declaring Objections

- No objections shall be declared against the judge's decisions. There are numerous judges both on the STEM field and otherwise. Their decision is final.
- The coach of a team can present objections to the Marshall, before the match is over, if there are any doubts in the exercising of these rules.

E. Flexibility of Rules

- As long as the concept and fundamentals of the rules are observed, these rules shall be flexible enough to encompass the changes in the number of players and of the contents of matches. Modifications or abolition of the rules can be made by the local event organizers as long as they are published prior to the event, and are consistently maintained throughout the event.

F. Liability

- Participating teams are always responsible for the safety of their robots and are liable for any accidents caused by their team members or their robots.
- Compass Education and the organizing team members will never be held responsible or liable for any incidents and/or accidents caused by participating teams or their equipment.
- Compass Education and its partners and sponsors shall not be responsible for any lost and stolen models during the competition.

G. Awarding

Judging will be conducted at 1-3 PM on November 12, 2017 by several judges. The Awarding Ceremony will be at 4:00 PM.

The awards are as follows:

1 st Place	Gold Medal
2 nd Place	Silver Medal
3 rd Place	Bronze Medal

Liability Waiver and Release of Photography and Videography

Assumption of Risk

As the coach of the team, I represent the team and I _____ am aware that participation and involvement in the 3rd Compass Education Robotics Cup has many inherent risks, including but not limited to personal injury due to misuse of machines or tools or malfunctioning of items constructed during the competition and events.

I freely accept and fully assume all such risks, dangers and hazards and the possibility of personal injury from misuse of machines or chemicals (i.e. loss of limb or digit, burns) death, property damage or loss resulting from such risks, dangers and hazards.

I agree as follows:

1. To waive any and all claims that I have or may have in the future against Compass Education, and its members, officers, employees, students, agents, volunteers and independent contractors, donors and sponsors (all of whom are hereinafter collectively referred to as "the releases");
2. To release the releases from any and all liability for any loss, damage, injury or expense that I may suffer, or that my next of kin may suffer as a result of my involvement in the competition. Due to any cause whatsoever including negligence, breach of contract or breach of any statutory or other duty of care.
3. To hold harmless and indemnify the releases from any and all liability for any damage to the property of, or personal injury to, any third party resulting from my involvement in the competition or events
4. I hereby permit Compass Education to use any pictures, videos or interviews taken during the Competition to be used for marketing, website, press and social media purposes. None of the pictures taken will be sold for commercial purposes.
5. This agreement shall be effective and binding upon my heirs, next of kin, Executors, administrators, assigns and representatives in the event of my death or incapacity. In entering into this Agreement, I am not relying upon any oral or written representations or statements made by the Releases other than what is set forth in this Agreement.

I have read and understood this agreement and I am aware that by signing / initialing this agreement I am waiving certain legal rights which I or my heirs, next of kin, executors, administrators and assigns may have against the releases.

Date: _____ Name and Signature of Coach: _____

Thank you for registering. Payment is due 10 days from the registration date. Checks payments should be written out to Compass Education. Please call us at (032) 319-0640, Globe 0917- 629-4942 or Sun 0932-769-8893 or email us for bank details. Thank you.