

# The Rule Handbook of APIS Robotics

## Terms:

- **Chassis:** The base of the robot which includes a drive train and can stand up on its own when placed on the field. Chasses are limited to a size of 18in.\*18in.\*18in.
- **Events:** Any tournament, skirmish, kickoff meeting, or other VEX organized events.
- **Force-assist:** Any action of which an individual is assisting another team in a way that is disrupting the receiving team.
- **Logging:** The act of documenting a description or drawing of an element/object.
- **Operate:** Any action that has resulted in a productive result toward the team's goals of the day.
- **Other teams:** Any team that has a different team number or letter.
- **Session:** A period wherein a team meeting/class is undergoing.
- **Student Representative:** The student present in the given situation of the highest status. Hierarchy follows the order; president, secretary. Student representatives able to provide judgement second or equal to that of Mr. Jones.

## 1. Teams

- a. Team individuals are not allowed to take anything from another team's tote.
  - i. If there seems to be a misunderstanding or an object in question, consult with either Mr. Jones or the **student representative**.
  - ii. Reference article (1.d) if there are further questions.
- b. The team is responsible for the areas they have **operated** in. During the end of class periods or after after-school **sessions**, teams are held responsible for cleaning said areas.
  - i. Cleaning of the area will be held priority over any plans held after the **session**. If a team would like to be excused from it, consult Mr. Jones or a **student representative**.
- c. Each team is representing APIS whenever they are consolidated and meeting as each respective team. Respect for **other teams** is expected from all teams. There will be no excuses for disrespect.

- d. Teams can place an object in their tote only if they have **logged** it in their engineering notebook.
  - i. Objects that are planned to be modified by means of cutting, bending, etc. cannot be placed in the tote.
  - ii. Public items (i.e.: Field elements, Cortex/V5 Brains, USB cables, laminated material, batteries, etc.) must be placed back on the shelves. Cortex's and V5 brains are only exempted if they are attached to the robot **chassis**.
  - iii. Any object not **logged** will/can be removed from the team's tote at any moment to be placed in its respective tote or the dismantle tote.
- e. Teams are expected to think further to improve all team members' skills.
  - i. Teams, when stuck, are expected to ask assistance from Mr. Jones or the **student representatives**.
  - ii. Conversing with other teams about their designs is encouraged. Teams allowed to listen to another team's ideas for inspiration, not a model to copy. On the other hand, teams who are explaining should not be explaining "how they made it," instead "why they made it."

## 2. Individuals

- a. Individuals should be constantly reminded that they are representing APIS and should exhibit respect for other individuals.
  - i. Misconduct will result in consequences or a consult with Mr. Jones or a **student representative**. (Students may even be sent to the principal if violations are severe)
- b. When **session** is held, students are held responsible for work in their teams only.
  - i. Violations to this rule include, but are not limited to: disrupting other teams, speaking to **other team** members on off topic subjects, **force-assisting**.
  - ii. Exceptions in article (3.b).
- c. Individuals are expected to attend their club meetings and be present.
  - i. Teams who are concerned with a team member's attendance/work effort can consult with Mr. Jones or a **student representative**.

### 3. Student Representatives

- a. **Student representatives** are held responsible for organizing the club.
  - i. The **student representative** can organize events, create polls, and other authoritative procedures agreed upon by Mr. Jones.
  - ii. During **events**, **student representatives** will be the “captain(s)” of the APIS robotics team. They are then responsible for checking on APIS teams and schedules.
- b. **Student representatives** are expected to be the most knowledgeable and/or experienced of the APIS teams and hence can provide guidance to all APIS teams.
  - i. This article does not exempt **student representatives** from article (2.c). **Student representatives** are only given the privilege of leaving their team’s work to assist in other teams. However, **force-assisting** can result in article (2.c.i).
- c. **Student representatives** are elected through an application process.
  - i. Reference the **Student representative** election process article.
- d. When changing/modifying any article, **student representatives** must consult with Mr. Jones first.

### 4. Field

- a. The field is not open for **operating**. It is open for robot drive/autonomous practice only.
  - i. All mechanical parts should be cleaned from the field. If a part detaches from a robot during practice, remove the entire robot and detached element for repair before placing the robot back into the field.
  - ii. Teams can park their robots on the boundary tiles of the field after a **session** is over.
- b. Entering the field is prohibited.
  - i. Exceptions to this article are, but not limited to: field setup, robot orientation, measurements.
  - ii. Mr. Jones, Riley, and Walker are exempted from this rule.

## **Student Representative Elections**

There are two student representatives in the APIS robotics club. These two students are chosen as representatives because they have exhibited adeptness, great organization skills, quick and/or innovative thinking, and sociability during their time as an individual member. For this reason, it is deemed that the student representative will be able to decide from the candidates given of who will lead the club to success. However, it is also crucial that the student representatives will not be biased in their application viewing process. Student representatives are ineligible for applying for student representatives in the consecutive year.

All grade members are eligible to put in an application, however, only those who have attended a previous season's tournament as a club member is eligible for applying. Student representatives will not be able to apply during their term as student representative.

However, if less than two applicants are deemed enough in the expected values by student representatives and Mr. Jones, Mr. Jones and the student representatives may consult about a consecutive second term.

The following is the process of student representative elections.

1. Student representatives declare that the application reception period is open. The time can be selected by the student representatives and Mr. Jones during off season of the school year.
2. Applications are submitted within the given timeline.
3. Application period closes.
4. Student representatives review applications. Student representatives will not be able to converse about the applications publicly. If done so, then the student representative loses their voting rights.
5. New student representatives are elected and approved by Mr. Jones.
6. New student representatives are publicly announced, and old student representatives step down.

(Optional) New student representatives are given a short orientation or advice sessions with the old student representatives.