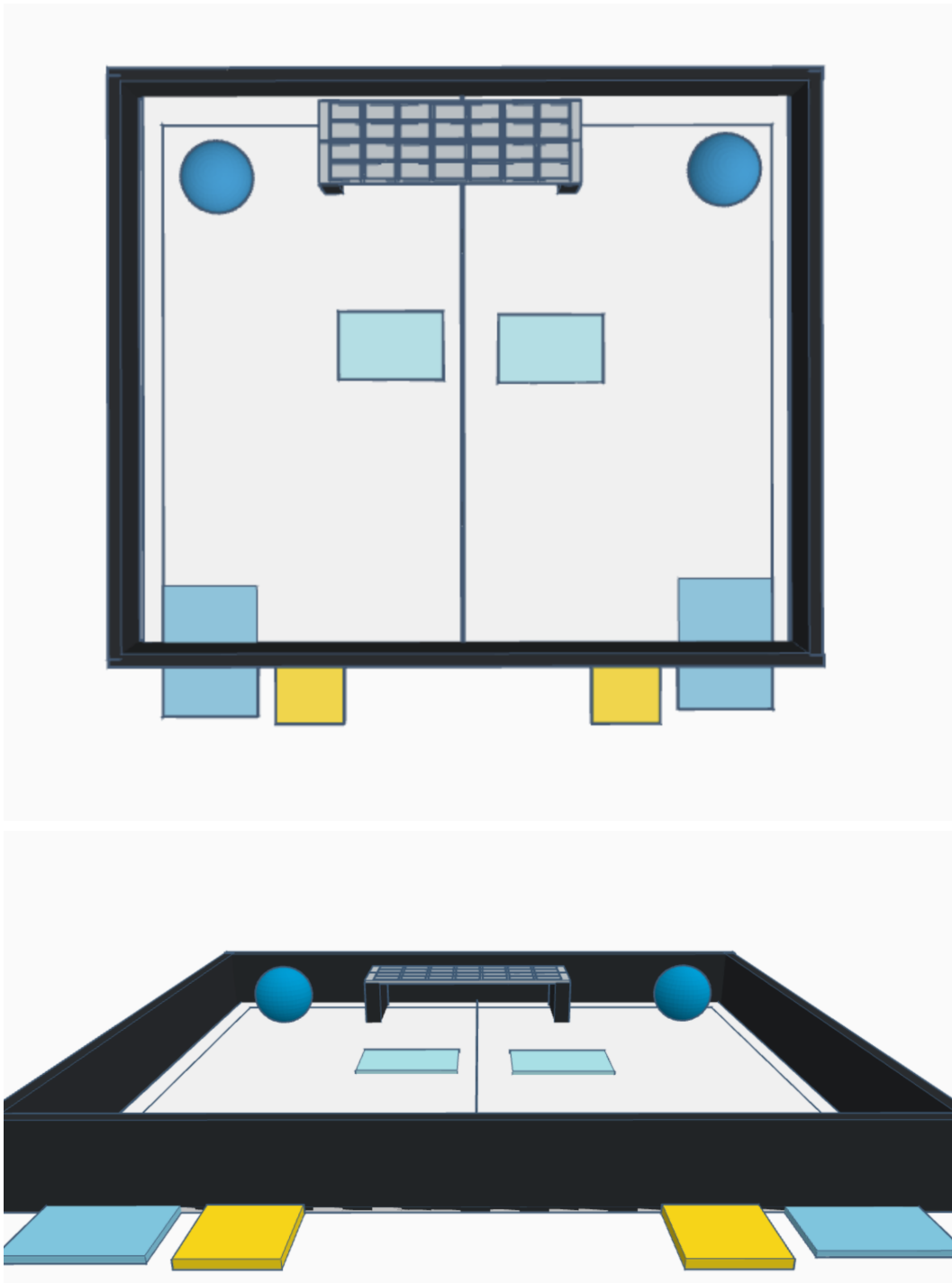
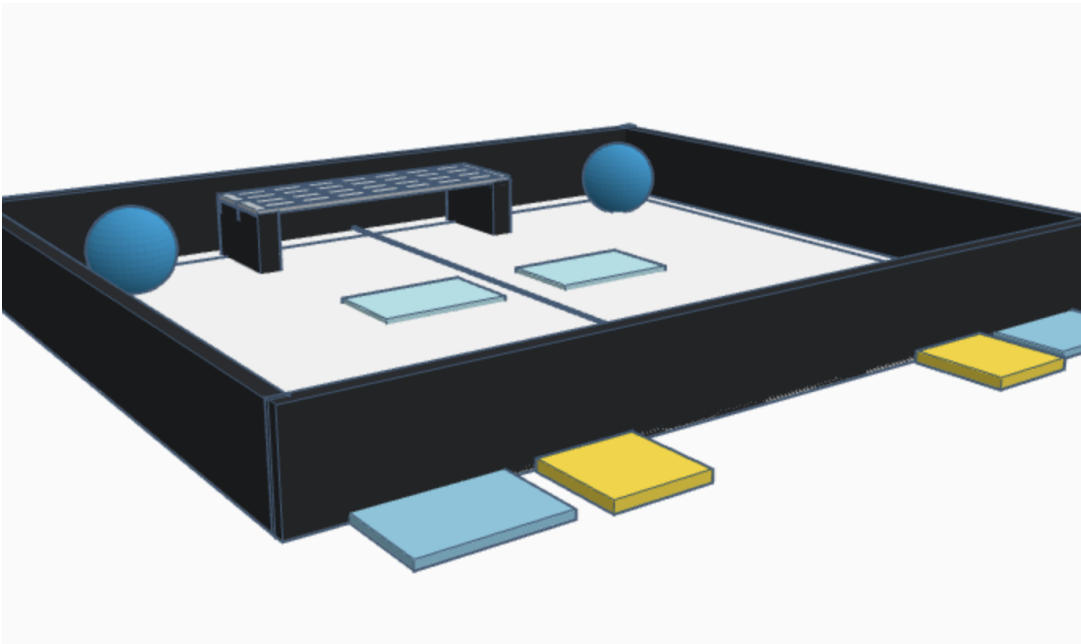
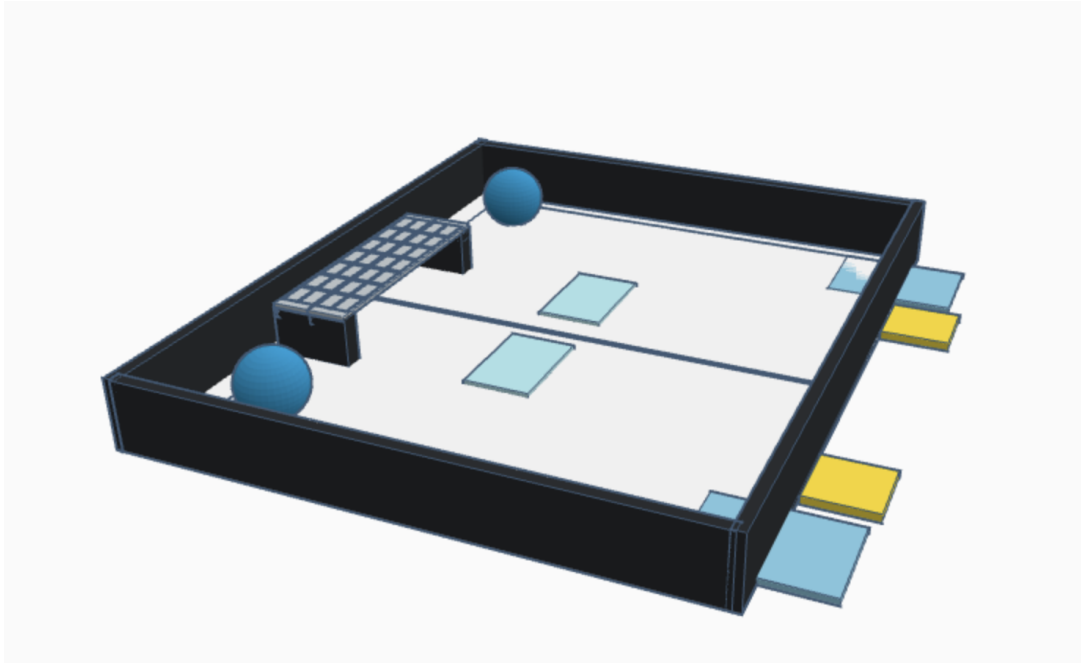


Robotics Tournament - Official Rules & Guidelines

Hosted at International School of Prague, 29. April 2025





The Mission: A Race Against Time

A massive disaster has struck. Communities are stranded, supply routes are blocked, and thousands are in urgent need of food, medicine, and emergency supplies. The roads are impassable, traditional delivery methods have failed, and the only hope left is **robotic rescue teams** - engineered to overcome the obstacles and deliver life-saving aid.

In this high-stakes robotics rally, teams will step into the role of **disaster response units**, deploying autonomous robots to navigate hazardous terrain and ensure critical supplies reach those in need. The challenge? **Speed, precision, and strategic decision-making.**

Robots will need to swiftly **transport relief packages** through difficult conditions, maneuver through their designated zones, and execute **air-drops** to reach inaccessible areas. Each successful delivery could mean the difference between survival and devastation. The clock is ticking - **which team will rise as the ultimate rescue squad?**

The Challenge Awaits

The field represents a **disaster zone**, divided into two sectors where teams must operate from their base. **Small aid packages must be transported efficiently**, while **larger, critical shipments must be air-dropped** from precise locations to ensure success.

Teams will face intense competition as they **race against time** to deliver the most supplies. Only the most innovative, efficient, and strategic teams will claim victory, proving that their rescue robots are ready for real-world deployment in disaster scenarios.

The mission starts now. Are you and your team prepared to take on the challenge?

1. Field Setup

- The competition field is a **3.5m x 3.5m** square.
 - The field is divided into **two halves**, one for each team.
 - A **net** is placed across the **third section** of the field, splitting evenly between both teams.
 - Each team has an **assigned ball dispenser area** where players provide balls to their robot.
 - **Scoring zones** are located at the net, where robots must deliver/throw the balls.
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2. Game Elements

- **Small Balls:** Each worth **2 points**

- Players continuously provide small balls to their robot from their designated dispenser area.
 - Robots must transport and deliver them to the net for points.
 - **Big Balls:** Each worth **10 points**
 - **Two big balls** are placed near the net at the start of the game.
 - Robots must **drive to the ball**, transport it to a **designated shooting spot** (marked in the center of the field), and then throw it into the net from **1 meter away**.
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3. Game Rules & Mechanics

3.1 Match Format

- **Each match lasts 3 minutes.**
- Each team starts on their **respective side** of the field.
- The team that scores the **most points by the end** wins the match.

3.2 Robot Actions

- **Ball Collection:** Robots can only pick up balls from their own team's dispenser area.
- **Ball Delivery:** Small balls must be physically placed into the net, while big balls must be thrown from the designated shooting spot.
- **Movement Restrictions:**
 - Robots **cannot cross** into the opponent's half of the field.
 - Robots **cannot obstruct** an opponent's ability to throw the big ball.

3.3 Scoring

- **Small Ball in Net: 2 points**
- **Big Ball in Net: 10 points**

3.4 Fouls & Penalties

- **Blocking the Net:** -5 points
 - **Illegal Handling of the Big Ball (throwing from incorrect spot, etc.):** Ball is reset, no points awarded
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4. Robot Specifications

- **Maximum Size:** 50x50x50 cm
 - **Weight Limit:** no weight limit
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5. Tournament Format

- **Two teams per one game.**
 - Each match is officiated by **one referee** to ensure fair play.
 - One game at a time - time for other teams to fix/work on their robot.
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6. Team Roles

Each team consists of:

- **Robot Operators (1-2 people):** Responsible for setting up and controlling the robot.
 - **Ball Dispenser (1 person):** Provides small balls to their robot from the dispenser area.
 - **Strategist (optional):** Observes and advises on game tactics (cannot interfere during play).
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7. Winning & Prizes

- The team with the most points in the final match is **declared the winner**.
- Special awards may be given for **Best performance, Teamplayer character, Social media prize and Best Robot Design**.

Social Media Challenge: #RescueInAction

1. Create a Quick Post

- Snap a **photo** or record a **short video** (15–30 seconds) featuring:
 - Your team or your robot (even a simple prototype!).
 - A fun or creative “disaster relief” scene (e.g., delivering a ball over a small obstacle).

2. Caption & Hashtags

- In your post caption, briefly explain what your robot is doing to help in a “disaster relief” scenario.
- Use the hashtags **#RescueInAction**, **#DisasterReliefRally**, and **#ISPRobotics**.

3. Tag

- Tag **@first_czechia**.

4. **Share Across Platforms**

- Post on **Instagram** or **TikTok** - wherever your community is most active.
- Encourage your schoolmates, friends, and family to **like, comment, and share** your post.