

24/6

Version 1 Intake

Draw on our design during the Change Up season, we once imagined using flexible wheels or rubber rolls as the main structure of the Intake park. However, the Triballs shaped like Lelo Triangles, is the scoring object, force us to choose flex wheel as our own design. it occupy less space, and can provide exert more friction.

① Lyric : We incorporated an acrylic board onto the chassis, following the intake section, to facilitate the upward transportation of Triballs. To integrate the Intake and Launch parts, we installed a track with track pads above the flex wheel. Initially, we contemplated creating a "Storage Zone" between the intake and launch section. However, considering the rules restrict a Robot can only carry 1 triball at a time, we eliminated that, allowing for direct intake and launch.

① Martin : To control the initial speed of the Triballs and prevent them from being propelled out of the field, we use 2 sets of equally fast flex wheels. We made them adjustable in size using rubber bands to accommo-

project Intakedesigned by: Martinwitnessed by: Kevindate: 6/24