

1. Briefly describe the impact of the FIRST program on team participants with special emphasis on the current season and the preceding 2-5 years.

FIRST inspires us as we inspire the world. 92% of 4D members are planning on having STEAM related careers. As FIRST widened our horizon, 6429 has become aware of global sensitivity. Sparkling with FIRST spirit, 4D achieved over 550 hours of volunteering in STEAM-related activities for the community. Plus, 100% of 4D considers attending college. Thus, FRC became the platform where we gained social responsibility and mastered in converting what we learn to what we do.

2. Describe the impact of the FIRST program on your community with special emphasis on the current season and the preceding two to five years.

Filled with gratitude to FIRST impact, we reached 2,000,000+ people in the community. Our curriculum Inspire the Future provides STEAM education for children from 5 to 13. 4D is organizing STEAM Days to share the enthusiasm for 21st century principles. As an eco-friendly team, 6429 is designing an application to reduce the carbon and water footprint. Our social responsibility project 4 Colors of 4D draws attention to STEAM education, gender equality, obstacles and environment through donations.

3. Team's innovative or creative method to spread the FIRST message

4D cultivates next generations with centennial requirements thanks to FIRST message. To apply a creative method, 4D's Halloween party provided entertainment through STEAM. 6429 became a member of FIRST Help Now created by 3132 and held an unofficial Kick-Off. We volunteered in a STEAM camp for kids at HUGOBOSS; attended Maker Faire, Hack4Wellbeing and a STEAM Kit&Teachers' Training event. We swam open water in Asics Çeşme Weekend to raise donations for an innovation lab.

4. Describe examples of how your team members act as role models and inspire other FIRST team members to emulate.

Being an FRC team converted from FLL, 4D takes comprehensive steps to be the role models to youngsters. Since our mission has become our passion, we created a 115-member social media group to keep in touch with all FLL teams in Turkey. We interacted with 250+ teams by volunteering in FLL tournaments. We made video calls with disadvantaged teams to answer their questions. We were the formal mentors of several FLL teams. Thus, being the first FRC team in our region made us idols for the youth.

5. Describe the team's initiatives to help start or form other FRC teams

Thanks to events that we have attended/volunteered/mentored in; we obtained opportunities to express our approach, actions and plans. 6429 introduced FRC to FLL teams that will soon exceed the age limit of FLL. We became a worldwide inspiration and assisted numerous teams in mechanical and managerial aspects. With the huge impacts of 4D, 3 new FRC teams are formed in our region. Taking initiatives of 4D into account, it is blatantly clear that we became the FIRST role model in the community.

6. Describe the team's initiatives to help start or form other FIRST teams (including Jr.FLL, FLL, & FTC).

Full of commitment to help start or form other FIRST teams, we arranged STEAM activities for underprivileged students at various public schools and led them to be creative and productive for the future. We struck a chord among youngsters by evoking them to be the next Jr. FLL or FLL teams. Since 6429 believes a wish is inadequate until it comes true, we are beyond the horizon and already made a breakthrough. Hence, 10 FLL&Jr.FLL teams are growing with FIRST principles by courtesy of 4D.

7. Describe the team's initiatives on assisting other FIRST teams (including Jr.FLL, FLL, FTC, & FRC) with progressing through the FIRST program.

Initially, 4D networked/directly contacted with 180+ FLL&FLL Jr. teams while mentoring/assisting 60+ of them. 6429 provided technical&mechanical supplies for rookie teams as well as our initiatives include giving a hand to various FRC teams. We networked with 90+ FRC teams and directly contacted with 40 of them. 4D assisted 10 teams for robot parts, 14 teams for designing & strategical help and 6 teams for programming. Consequently, we supplied power cubes for others to power up our alliances.

8. Describe how your team works with other FIRST teams to serve as mentors to younger or less experienced FIRST teams (includes Jr.FLL, FLL, FTC, & FRC teams).

To spread our knowledge, we formed an active community where we mentor Jr. FLL&FLL teams. In light of our enthusiasm, we always backed up our mentees such as Team Olympus, Zootopia and 4th Vision, whose name was inspired by 4th Dimension. Besides, our new members were a part of FLL team Thundercats, that we mentored last year. 4D attended their after-school meetings, shared our experience and widened their perspectives.

9. **Describe your Corporate/University Sponsors**

We work cooperatively with our sponsors for both manufacturing&community outreach. Zorlu Holding, Renkler Makina, VESTEL, Fikret Yüksel Foundation and SolidWorks support us technically while Omsan Lojistik transports our robot. Ege University EBILTEM TTO, Bahçeşehir Schools and İZSİAD provide funds for our social responsibility projects while Kale Pasta&Ekmek provides catering services. Besides, Elçi Film Yapım is our sponsor for Chairman's Video and Egedeniz Tekstil produces our team apparel.

10. **Describe the strength of your partnership with your sponsors with special emphasis on the current season and the preceding two to five years.**

Considering sponsors as milestones of FRC, we keep our bonds with partners constant. Our sponsors are informed about the current budget and expense, which we stabilize with our SWOT analysis. To strengthen our relations, 6429 has an organized structure dividing our sponsors as platinum, gold and silver. We spread the name of mentioned companies in all aspects. Balancing what we can contribute to them and what we need from them, we add reliability and permanence to the 4D ethics in sponsorships.

11. **Describe how your team would explain what FIRST is to someone who has never heard of it.**

Open your eyes, look within. What can you do to help change the world? The answer lies in a worldwide phenomenon that cultivates creative and open-minded new generations: FIRST. Invoking gender equality, teamwork, organization, gracious professionalism; FIRST lays groundwork for a tight-knit community. Throughout the process, you will build up your imagination and vision thanks to STEAM. In conclusion, you will rediscover your potential to be an inspiration.

12. Briefly describe other matters of interest to the FIRST judges, if any.

The question is: What makes 4th Dimension THE 4th Dimension? 4D tries to choose the least harmful ways in terms of transportation, robot building, etc. Not only do we hold educational phenomena, but also, we blend our community with entertainment and creativity. 6429 believes that memories are the backbones for unity and persistence; therefore, we have a tradition of annual team dinners. 4D has a message to the world: "Equalize the opportunities. Be the game-changer."

13. For FRC teams older than 5 years, briefly describe your team's broader impact from its inception.

4th Dimension believes that quality time is more precious than quantity time. Concordantly, we attended/organized 73 activities in only 2 years. The latest project we are working on is publishing seasonal magazines that include assorted experiments for kids to encourage them in STEAM. This way, students all around Turkiye -who can't reach science resources-will reach plenty of experiment instructions easily without any cost. Moreover, QR codes will direct to detailed videos of each experiment.