Hello everyone, my name is Elyes Khechine, I’m the leader of the Space Robotics team and I’m really thrilled to talk to you to about our Space Teams Experience. First, we’ll talk Day 1 which is about planetary science

The livestream was great! We learned a lot about planets! And through the Planet Designer, we start built our own. It was really cool to observe the change of the atmosphere gases in real time. We also got to explore our planet's surface by ourselves, making our experience much more realistic. And last but not least, Dr. Greg Chamitoff gave us a great motivational speech.

So, now I leave to Yessine to tell you about day 2

YESSINE

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Hello my name is Yessine, I’m here to tell you about Day 2 which was about spacecraft design. No other challenge unleashed our creativity like this one! After learning all the basics, building our spaceship was nothing but fun. The problem, though, was: how to maintain the sustainability of our spaceship ? In order to solve this problem we worked as a team to gather more information about each the different tools and technologies. After lots of trials, we finally got a perfect Spaceship.

So that’s what happened in Day 2, now you’ll learn the next day.

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ELYES

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Hey everyone, I’m back! So on day 3 of the challenge, we loved learning the orbital mechanics, especially from Dr. Todd barber. The first thing we did was to get out of Earth's orbit, which was the easiest. Then, we needed to reach valcun, and at the same time, perfectly match it’s trajectory. After that comes the hardest part, which was to find a perfect orbit to scan the Vulcan. We worked together by trying different strategies, and we later found that Brian’s advice to get farther away from the planet before inclining the orbit was the key to a perfect scan. So Thanks Brian!

Now we move on to day 4!

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MALEK

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Hi everybody, my name is Malek. And Day 4 of the challenge was really exciting since we got to meet the astronaut Dr. Johnson, and his story was nothing short of inspiring. And the fun activity of the day was the orbital descent. We got our hands on control of a Spacecraft which we needed to land! We thought it was easy, but it turned out it wasn’t afterall!

So, everyone in the team combined their efforts to master the pitch and roll controls through different strategies. Eventually, we discovered that those physics lessons were the key! And that’s when the spacecraft landed successfully.