



Faiz Space – Concept Note

Overview

Faiz Space is a global initiative building structured pathways into STEM and space education through hands-on learning, real-world engagement, and strategic partnerships.

Founded by airline captain and former national astronaut candidate Faiz Kamaludin, the initiative builds on more than fifteen years of grassroots work advancing STEM education. Since 2007, these efforts have delivered over 520 programs, reaching more than 86,000 students.

Faiz Space represents the next phase: a scalable model that moves students from early exposure to real capability and long-term opportunity in STEM.

The Problem

The global space and STEM economy are expanding rapidly, yet access to meaningful, applied learning remains limited for many students.

Most programs focus on short-term exposure without building sustained pathways into education and careers. As a result, students are inspired but not equipped, and potential is lost.

Our Approach

Faiz Space designs and delivers structured programs that combine:

- Early exposure through outreach and school-based engagement
- Hands-on learning through engineering, rocketry, and applied STEM
- Progression pathways that connect students to further education and opportunities

This model integrates outreach, capability building, and ecosystem partnerships into a single pipeline.

Pilot: San Mateo, California (2026)

Faiz Space will launch its first US pilot with a partner school in San Mateo.

Pilot scope:

- 1 school
- ~30 students
- Structured STEM + space learning program
- Focus on applied learning (engineering, rocketry, design)

The pilot will track student engagement, skill development, and progression into STEM pathways, generating evidence for scaling the model across schools and regions.



Impact

To date, Faiz Space initiatives have achieved:

- 86,000+ students reached
- 520+ STEM programs delivered
- 700+ educators engaged
- 3.5x Social Return on Investment (SROI)

The model delivers long-term value through skills development, access, and pathways into STEM.

Next Phase

Faiz Space is entering a focused growth phase, beginning with its first US pilot in San Mateo. This pilot will demonstrate a scalable model that can be implemented across schools and regions, combining structured learning, measurable outcomes, and long-term pathways into STEM.

The model is designed to evolve into a self-sustaining approach through a combination of partnerships, program funding, and earned revenue streams.

Why This Matters Now

The demand for STEM talent is increasing globally, yet access to meaningful, applied learning remains uneven.

Faiz Space addresses this gap by building not just programs, but pathways. The San Mateo pilot represents the first step in establishing a repeatable model that can expand across the United States and beyond.

Partnership Invitation

We are actively seeking a small group of early partners to support this next phase.

This includes:

- Schools interested in hosting pilot programs
- Funders supporting access to STEM education
- Strategic partners aligned with long-term ecosystem development

Early partners will play a direct role in shaping the model and enabling its expansion.

Closing Statement

Faiz Space is building a scalable pathway into STEM and space education, designed to move students from curiosity to capability and into future opportunities.

The San Mateo pilot is the first step in establishing this model in the United States.

We are inviting a small group of early partners to help shape and support this next phase.