

# SELC Space and Astronomy Club - Frequently Asked Questions (FAQ)

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## General Program Information

### 1. What is the SELC Space and Astronomy Club?

The SELC Space and Astronomy Club is a year-long immersive program designed for high school students (ages 15-18) in the Delhi NCR region. The club offers a comprehensive learning experience focused on space science, astronomy, and satellite technology. The program includes hands-on activities such as sky observation sessions, model rocket building, and much more.

### 2. Who can apply for the program?

The program is open to students between 15 and 18 years old (as of September 30, 2024) who are currently enrolled in classes 8th to 11th. Applicants must have achieved at least 80% in both Math and Science subjects in their most recent academic year.

### 3. What is the duration of the program?

The program runs from December 2024 to September 2025, with bi-monthly sessions. It is designed to offer continuous learning and engagement throughout the year.

### 4. Where is the SELC Space and Astronomy Club located?

The club is hosted at the American Center in New Delhi.

### 5. What is the objective of the program?

The program aims to ignite students' passion for space science and technology by offering hands-on learning experiences, expert mentorship, and skill development workshops. It prepares students for potential careers in the space sector.

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## Application Process

### 1. How do I apply for the SELC Space and Astronomy Club?

Students must submit an online application form, which will be available starting November 1, 2024. The form will be accessible on the SELC website, and applicants are required to meet the eligibility criteria.

### 2. What are the eligibility criteria?

- Age: Applicants must be between 15 and 18 years old as of September 30, 2024 (classes 8th to 11th).
- Academic Performance: Students must have secured at least 80% in both Math and Science subjects in their most recent academic year.

### **3. Is there a fee for the program?**

No, the SELC Space and Astronomy Club is entirely free of cost. There are no fees associated with participation.

### **4. How will students be selected?**

Selection will be based on an overall assessment of the applicant's eligibility, academic performance, and interest in space science. Applicants must also take an online **Space Science and Technology (SST) Test**. If necessary, selected students may be invited for an interview to ensure a good fit for the program.

### **5. What is the capacity of the program?**

The program can accommodate up to 60 students. We encourage early application to secure your spot.

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## **Space Science and Technology (SST) Test**

### **1. What is the SST Test?**

The SST Test is an online exam designed to assess the applicant's understanding of space science, problem-solving skills, and aptitude for the program. The test is divided into three sections, each designed to evaluate different aspects of the candidate's knowledge and skills.

### **2. How is the SST Test structured?**

- **Section 1:** Personal Details – Basic information about the candidate.
- **Section 2:** Aptitude and Problem Solving – Questions that assess logical thinking, mathematical reasoning, and general problem-solving abilities.
- **Section 3:** Space Sector Knowledge – Questions related to space news, recent advancements in the space sector, numericals, and reasoning problems specifically focused on space science.

### **3. What topics will be covered in the SST Test?**

The questions will primarily focus on the space sector and will test the candidate's knowledge of recent developments, general space science concepts, and problem-solving abilities related to space exploration.

### **4. How should I prepare for the SST Test?**

Students should familiarize themselves with recent advancements in space science and technology, review general aptitude problems, and practice space-related numericals and reasoning questions. Keeping up with space news and current events will also be beneficial.

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## **Commitment and Expectations**

### **1. What is the commitment required for the program?**

The SELC Space and Astronomy Club is a year-long commitment. Students are expected to

participate fully in all scheduled activities and sessions. Dropping out midway is discouraged, as the program is designed for continuous learning and engagement.

## **2. What should I look forward to in the program?**

- **Hands-On Learning:** Sky observation camps, model rocket building, and practical sessions.
- **Skill Development:** Opportunities to enhance critical thinking, teamwork, and problem-solving skills.
- **Expert Mentorship:** Guidance from leading experts in the space and astronomy sectors.
- **Presentation Opportunities:** Showcase your learning at the Indo-U.S. Space Conference at the end of the program.

## **3. What materials or tools will I need?**

Most of the materials required for the activities will be provided by SELC. However, students are encouraged to bring their enthusiasm, curiosity, and a willingness to learn and collaborate with peers.

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## **Additional Information**

### **1. Will there be any interviews?**

In some cases, applicants may be invited for an interview after completing the SST Test. This interview will help the selection committee determine if the applicant is a good fit for the program.

### **2. Is there any certification provided at the end of the program?**

Yes, students who successfully complete the year-long program will receive a certificate of participation. Additionally, students will have the opportunity to present their work at the Indo-U.S. Space Conference, gaining recognition for their efforts.

### **3. Can students from outside Delhi NCR apply?**

No, the program is currently open only to students residing in the Delhi NCR region.

### **4. How can I contact SELC for more information?**

For further inquiries, you can contact us at [selc@iusstf.org](mailto:selc@iusstf.org). We will be happy to assist you with any questions regarding the program or the application process.