Students Astronomy and Space Science Congress – SASSC 2025

Organized by

Tamil Nadu Model School Society

Holistic Development and Progressive Education

Coordinated by

Tamil Nadu Astronomy and Space Science Society (TASS)

🎯AIM

- To inculcate Scientific temperament among the students through Astronomy

👩‍🎓Eligibility

- **Participants:** Students of **Standard 9 to 12** from **Residential Model Schools** only
- **Group Size:** Maximum **3 students per team**
- **Junior Level:** Classes 9^{th} & 10^{th}
- **Senior Level:** Classes 11^{th} & 12^{th}

Objectives of SASSC 2025

- Provide a platform to **exhibit creativity** and **innovative thinking** in astronomy and space science.
- Promote a **sense of scientific discovery** and **research orientation**.
- Represent **teamwork**, **based on everyday life situation**.
- Observation, data collection, analysis and conclusion.
- Encourage **continuous learning** and **community impact**.

Research Areas (Indicative List)

- Indian Space Exploration (Past, Present & Future)
- Astronomy Education
- Astrobiology
- Astrochemistry
- Mathematics in Astronomy
- Astrophotography
- Space Technology and Innovations
- Climate and Space Weather
- Etc..

📋 PROJECT TYPES

- Survey-Based Projects
- Essay Type Reports
- Working Models Demonstrating Scientific Principles
- Area/Zone-Based Local Scientific Problems and Solutions
- Solutions should be Scientific.

👩‍🏫 Guidelines for Participants and Guide Teachers

- Projects must use **scientific methodology** and **original thought**.
- Encourage **effective communication**, **group coordination**, and **real-world applications**.
- Accept feedback and plan for future improvement.
- Improve your future work plan.
- Avoid plagiarism.

💡 Key Qualities of a Good Project

- Innovation
- Scientific methodology
- Effective communication
- Originality (no plagiarism)
- Accept and incorporate feedback
- Clear future work plan

📝 Common Evaluation Process

A) Project selection – 10 marks

- Relevance of problem selected to focal theme and its local relevance – Originality of Idea

B) Presentation – 25 marks

- Each team will present for **8 minutes**.
- **Q&A session** will follow, led by audience or evaluators.
- Use of visuals like graphs, charts, bar diagrams and photos.
- Clarity of Presentation

📝 Common Evaluation Process

C) Data collection and analysis – 15 marks

- Careful in selection of sample size
- Prepare questionnaire
- Keeping proper record of your observation

D) Experimentation, Validation – 10 marks

- Innovative method of experiment design
- Helps in data validation

📝 Common Evaluation Process

E) Problem solving – 10 marks

- Do not give suggestions alone
- Find a proper solution

F) Team work – 10 marks

- Respect the views of others and give credits
- Include their details in the project

📝 Common Evaluation Process

G) Impact of work – 10 marks

- Did your message reach your community ?
- Going to involve others until the problem is really solved
- Suggest any action plan
- Your report must answer all these questions

H) Background correction – 10 marks

- Due care is taken about the kind of access you have to do your project
- Do not worry about the language for documentation and report
- Neatly handwritten projects are also welcome

📝 Evaluation Criteria (Total: 100 Marks)

Criteria	Description	Marks
Relevance of Problem	How well the chosen problem fits the theme and local context	10
Presentation (Charts, Visuals, etc.)	Use of visuals like graphs, photos, clarity of presentation	25
Data Collection & Analysis	Sample size, proper questionnaire, observation records	15
Problem Solving Ability	Feasible and scientific solution (not just suggestions)	10
Experimentation & Validation	Innovative method design and evidence for validation	10
Teamwork	Inclusion and respect for all members' views	10
Impact on Society	Potential for community engagement and future steps	10

🎓 Conclusion: What Students Gain

- Continuous effort
- Increase your ability to solve the problem around you.
- Understand difference between science and pseudoscience
- Understanding the space science and technology
- Understanding your life.