

## **Offered Activities**

Aryabhat Foundation is a registered social service organisation striving to inculcate a science-based temperament in the young generation. We promote and popularise Astronomy and Basic Sciences in the region.

In order to make the children aware of the scientific facts, we conduct several educative programs like Slide Show, Film Show, Science Lecture, Telescope aided Sky View Camp and Solar Astronomy Workshop. We have adequate equipment and expertise to conduct these programs. Institutions interested in availing these facilities may send us a request for specific program and shall arrange for infrastructure and local hospitality. We have also been conducting Aryabhat Astronomy Quiz for school students for more than two decades now, with thousands of beneficiaries across the state.

We have a collection of Space-science movies and presentations, which are interesting and adequately informative for the school students and elders alike. The infrastructure required for this program is an audio-visual hall with LCD projector and sound system. We encourage the participants to raise their doubts and questions after the show, to get their inquisitiveness satisfied. We prefer a homogenous group of same level of understanding, which facilitates effective communication, thus being more fruitful for the beneficiaries. We normally depute one official and one volunteer to conduct such shows.

The Telescope aided Sky-view program can be conducted in the evening hours. We deploy our telescopes ranging from 45 mm to 150 mm, depending upon the number of beneficiaries. These telescopes reveal the craters of Moon, Star Clusters, Nebulae and Planets present in the sky overhead. On special request, larger telescopes of 200 mm, 250 mm or 300 mm can also be deployed. The visibility will depend upon the clarity and transparency of the sky. We prefer to conduct this activity when the moon is less than half in size. We would require an open space, free from nearby lights to set our telescopes. We normally deploy three telescopes for a gathering of around hundred people - each telescope manned by a trained volunteer. We also depute an expert official for the program.

The Solar Astronomy Workshop is designed to educate the people about the scientific aspects of the Sun and possible hazards of observing it without proper care or protection. We also explain the safe viewing techniques for solar studies. The workshop includes a theory session of about an hour, followed by a practical demonstration under the open sky. This program shall be conducted in the day time, for a homogenous group of around fifty persons. The infrastructure required for this program is a suitable hall with LCD projector for theory based instruction and an open space for the practical session. We normally depute one expert official and two volunteer for the workshop.

We also undertake requests from schools conducting science fares & model competitions, for providing services of our scientific experts as judges. We also accommodate school students joining as volunteers for hands-on experience on Telescopes & Practical Astronomy.

We do not charge anything for conducting these activities. However, the host shall arrange for transport and due hospitality with proper lodging/boarding arrangements for the group. The interested organisation and institutions may contact us through email or on telephone for any further clarification.

