



# The Astrophile Newsletter

One Fond of Starlore: An Amateur Astronomer



## Perseids Meteor Shower 2018

Perseids meteor shower will be a spectacular show reaching its peak on the night of Aug 12-13.

Perseids meteor shower of 2018 will be the most amazing meteor shower of 2018 with 60-70 meteors per hour. The crescent moon setting early in the evening will ensure that the sky is dark for even the faint meteors to get spotted. The meteor shower is caused due to earth's passing through the dust and debris of comet Swift Tuttle attracting the dust to enter earth's atmosphere at very high speed, burning and radiating light. For more information on this, please read: <http://astro-phile.com/2018/08/04/perseids-meteor-shower-2018/>

## Moon phases and dates

Important phases and dates for Moon to plan your observation

04/08/18	Third Quarter	23:47
11/08/18	New Moon	15:27
18/08/18	First Quarter	13:18
26/08/18	Half Moon	17:26



### Venus

The brightest planet will be at Greatest Eastern Elongation on Aug 17. It will continue to shine brighter this entire August. Look west after sunset to spot Venus.



### Jupiter

Jupiter will shine bright in the night sky looking due south just after sunset. It is shining bright enough to be spotted in the urban skies entire August.



### Saturn

The ringed planet will be shining bright in the constellation of Sagittarius next to milky way. The planet is the faintest of the 4 planets visible but bright enough to spot from urban skies.



### Mars

The red planet was recently closest to earth (Jul 31) and also at opposition (Jul 27) and is currently at its brightest, thanks to the dust storm. Rising just after sunset, it is very easy to spot and observe.

## AIASC kicks off on September 3

The international asteroid search campaign is being organised by Astrophile in September.

Astrophile - International Asteroid Search Campaign or AIASC is being organised in the month of September from 3rd till 30th. The 27 day campaign will see students using real time data collected by international organisations to hunt for asteroids which were not known to us so far.

The campaign will include a training workshop at your school where the participating students can learn to use the tools and techniques for assessing the data. The data when analysed, will be reported back to us and investigated by the agencies for any new discoveries.

The participants get a certificate of participation and discovery. First edition of the program was conducted at Pathways School, Noida and Dean's Academy, Bengaluru. In total 22 asteroids was discovered by the students.



## “Soda straws to teach rocket science to kids”

Astrophile conducted a workshop with Daffodil International School, Bengaluru in collaboration with Amazing Holidays Pvt. Ltd. Bengaluru. A total of 141 students of grade 4 and 5 along with 9 teachers participated.

The students thoroughly enjoyed the workshop and had great fun while learning about the rockets and launching it. The teachers also enjoyed the activity and shared a very positive review of the program.

## INDUSTRIAL VISITS FOR THE YOUNG ONES STARTING SEPTEMBER

Astrophile India is coming up with a new educational opportunity for students of middle and higher school group for interacting more with the industry. This will help them understand various processes better and will enable them to make better decisions about their professional career and future.

The industries like production, maintenance and manufacturing are expecting a great boom in coming years with Govt.'s “Make In India” project where skilled and educated workforce is required in large numbers. To bring the proper knowledge and to present a clearer picture, Astrophile has taken the initiative to help and assist schools for such visits and also to create a greater learning environment to students.

