

Overcoming the Hurdles in imparting Astronomy Education in Schools



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TODAY'S DISCUSSION

Astronomy helps to nurture our brains to think beyond our imagination and helps to develop our analytical skills to solve various challenging problems. This is why Astronomy Education is really essential for School Students as it develops a curiosity among them as well as indulges them in thinking out of the box and learning more about the universe in turn developing their imagination and analytical skills.



HURDLES IN DEVELOPING CURIOSITY AMONG SCHOOL STUDENTS



**The mathematics
involved in it**

School students run away from the mathematical side of Astronomy. Whenever we move towards a bit mathematical side, students tend to get bored with it.



**Incomplete Physics
Fundamental**

Many standard students lack various concepts of physics required to understand how a particular phenomenon is happening and the idea goes overhead for them.



**Lack of equipment
in schools**

The majority or say almost all schools are short of a telescope. Even they lack various demonstration models which can help for a better understanding of the concept.



**Academic Staff
Cooperation**

It gets burdensome for teachers in managing academics and astronomy activities together.

SOLVING THE HURDLES IN ASTRONOMY EDUCATION AT SCHOOLS

- 01 Diluting Mathematics involved Developing
- 02 models for explanation
- 03 Using animations for visualization
- 04 Arrange Telescopes for schools
- 05 Involve local Astro Clubs for outreach in schools

ROLE OF ASTRO CLUBS

College students can impart Astronomy knowledge in a much more fun way as they too are self-curious about the subject and create the same in the school students. Astronomy Clubs in the colleges should actively participate in outreach activities in schools. The majority of the Astro-Clubs have equipment like Telescopes and Filters etc, also they can prepare models which will be beneficial for demonstrating the phenomenon to the students.

Before					After				
Problem Solving Skills	Curiosity	Visualization	Analytical Skills	Topic Understanding	Problem Solving Skills	Curiosity	Visualization	Analytical Skills	Topic Understanding
4	6	3	5	6	8	9	8	8	10



ASTRONOMY FOR ALL!



MOON

